

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089435.D
 Acq On : 30 Jan 2015 6:50
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Quant Time: Jan 31 04:43:54 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 31 04:33:09 2015
 Response via : Initial Calibration

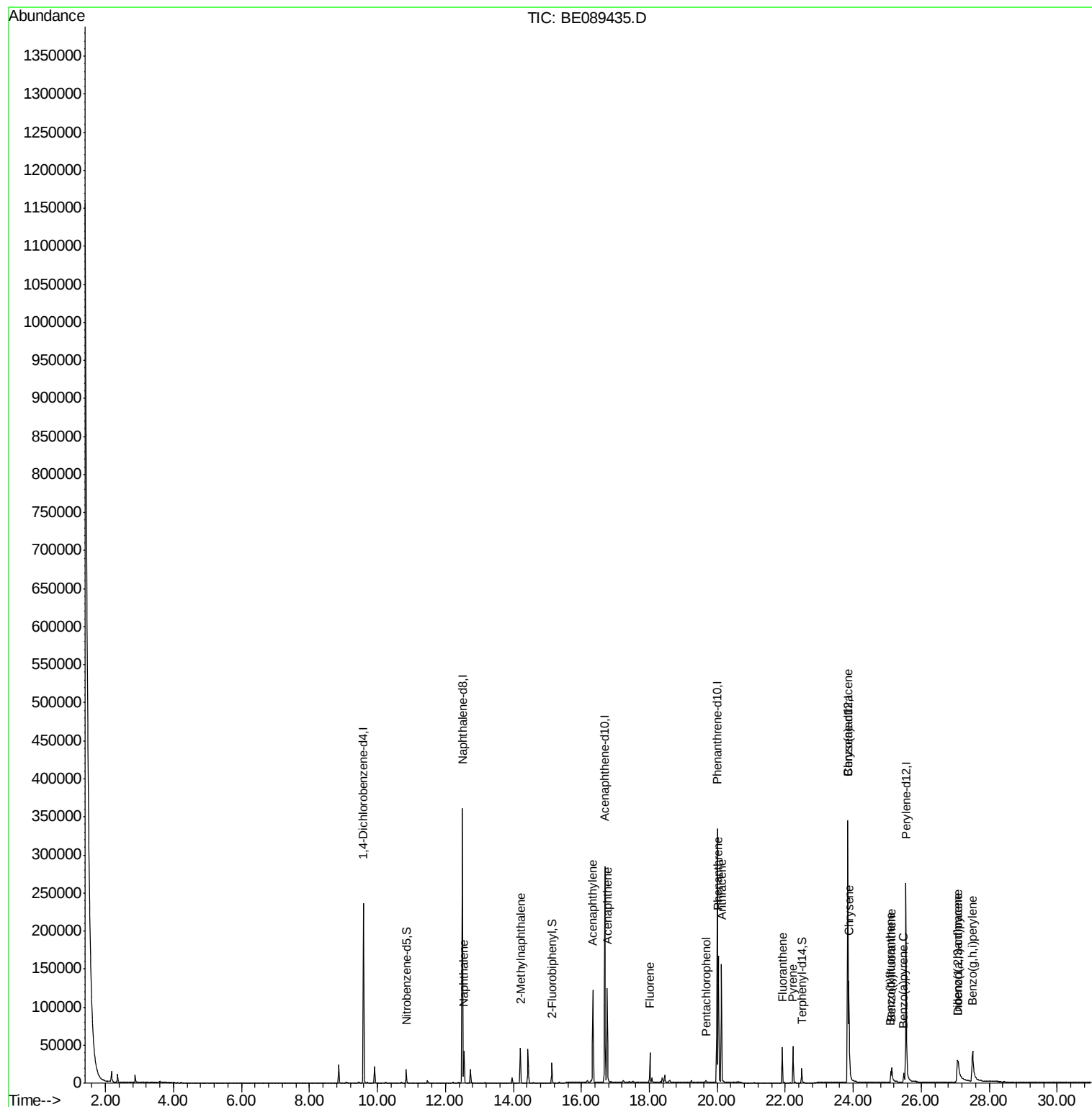
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	96046	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	394387	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	175804	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	316674	5.00	ng	0.00
16) Chrysene-d12	23.85	240	267091	5.00	ng	0.00
22) Perylene-d12	25.56	264	259451	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	12223	0.60	ng	0.00
7) 2-Fluorobiphenyl	15.14	172	23059	0.58	ng	0.00
18) Terphenyl-d14	22.49	244	19249	0.56	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.54	128	46387	0.61	ng	99
5) 2-Methylnaphthalene	14.21	142	27173	0.58	ng	98
8) Acenaphthylene	16.34	152	152439	0.61	ng	100
9) Acenaphthene	16.76	154	23234	0.59	ng	98
10) Fluorene	18.02	166	25492	0.62	ng	100
12) Pentachlorophenol	19.66	266	1653	0.43	ng	95
13) Phenanthrene	20.03	178	153453	0.57	ng	100
14) Anthracene	20.12	178	136368	0.55	ng	100
15) Fluoranthene	21.91	202	32676	0.61	ng	100
17) Pyrene	22.23	202	34222	0.51	ng	100
19) Benzo(a)anthracene	23.83	228	103534	0.57	ng	99
20) Chrysene	23.87	228	128140	0.57	ng	99
21) Indeno(1,2,3-cd)pyrene	27.06	276	101329	0.81	ng	96
23) Benzo(b)fluoranthene	25.10	252	14348	0.47	ng	98
24) Benzo(k)fluoranthene	25.13	252	34029	0.65	ng	98
25) Benzo(a)pyrene	25.49	252	17120	0.56	ng	# 96
26) Dibenzo(a,h)anthracene	27.09	278	18264	0.71	ng	96
27) Benzo(g,h,i)perylene	27.51	276	95660	0.64	ng	99

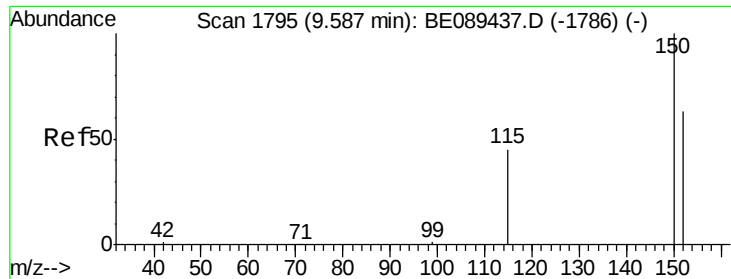
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

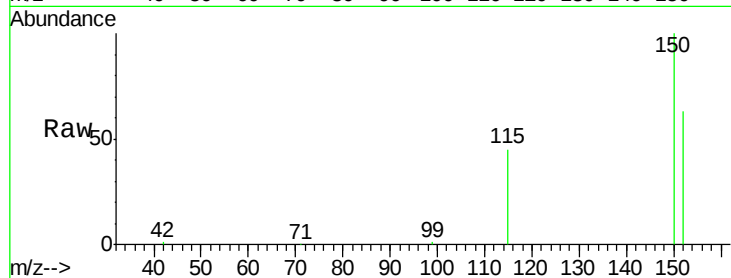
Tgt Ion:152 Resp: 96046

Ion Ratio Lower Upper

152 100

150 159.0 127.2 190.8

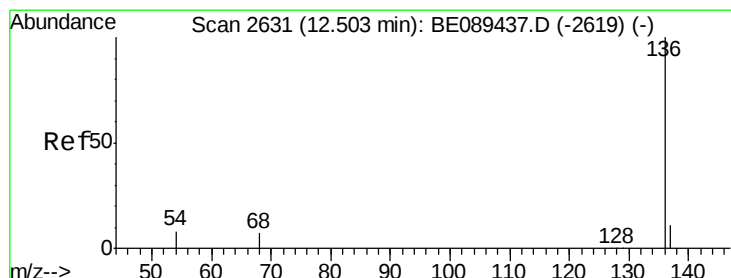
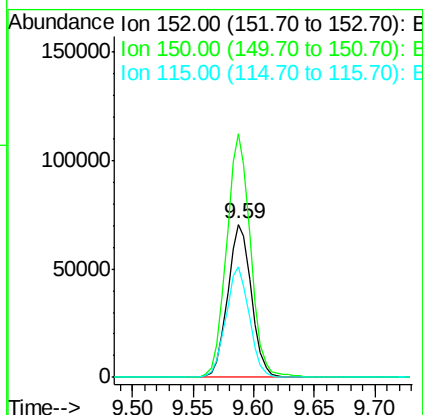
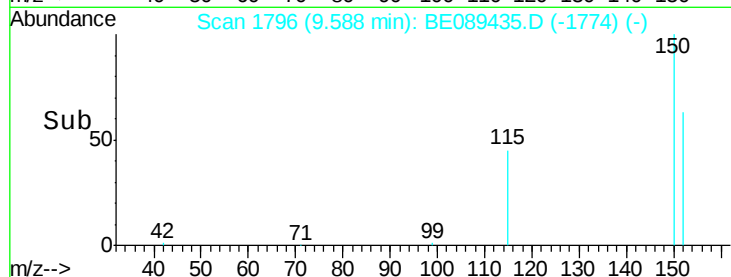
115 71.9 57.5 86.3



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: 12.50 min Scan# 2631

Delta R.T. -0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

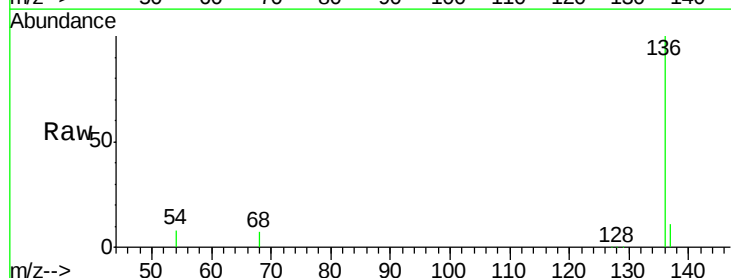
Tgt Ion:136 Resp: 394387

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

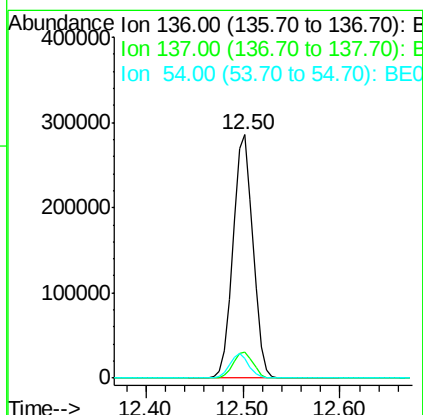
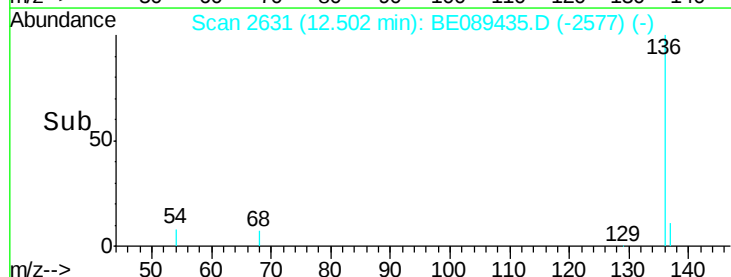
54 8.2 6.6 10.0

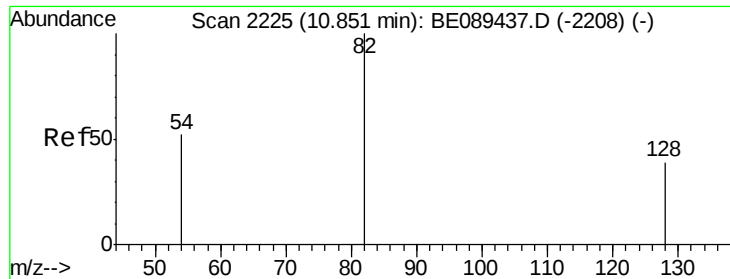


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.60 ng

RT: 10.85 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

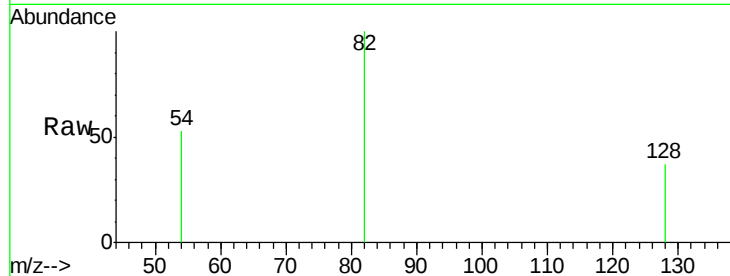
Tgt Ion: 82 Resp: 12223

Ion Ratio Lower Upper

82 100

128 37.2 31.2 46.8

54 52.5 41.9 62.9

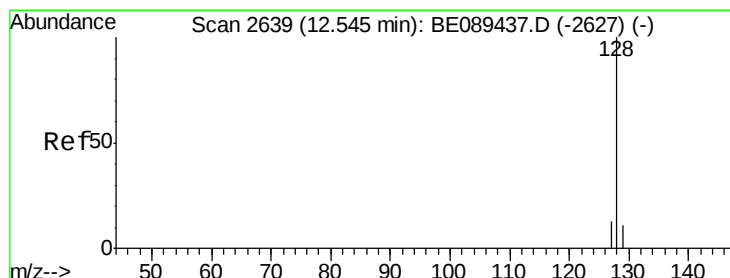
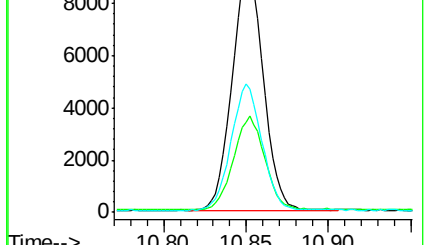
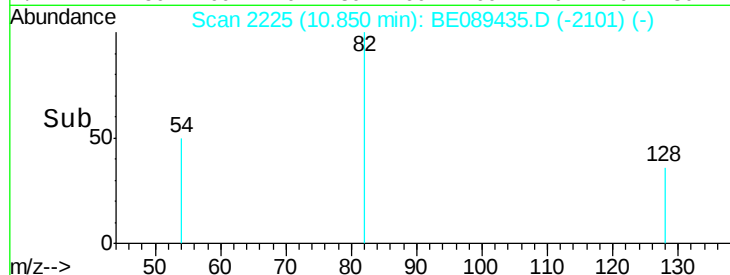


Abundance Ion 82.00 (81.70 to 82.70): BE089435.D (-2208) (-)

Ion 128.00 (127.70 to 128.70): BE089435.D (-2208) (-)

Ion 54.00 (53.70 to 54.70): BE089435.D (-2208) (-)

Time-->



#4

Naphthalene

Concen: 0.61 ng

RT: 12.54 min Scan# 2639

Delta R.T. -0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

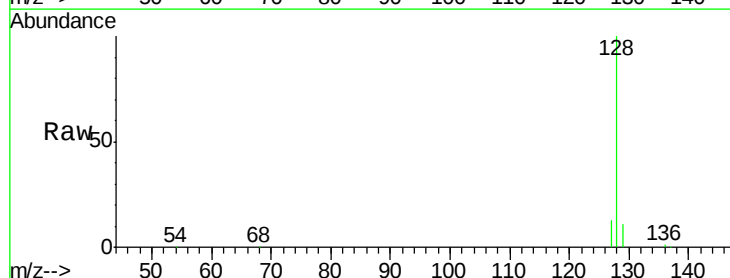
Tgt Ion: 128 Resp: 46387

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.1 10.6 16.0

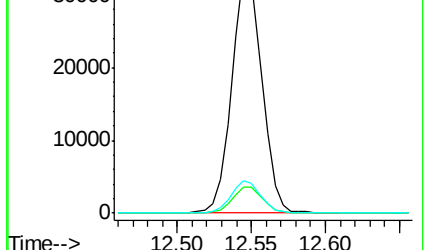
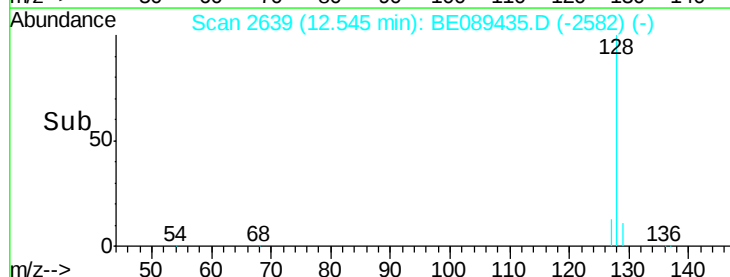


Abundance Ion 128.00 (127.70 to 128.70): BE089435.D (-2627) (-)

Ion 129.00 (128.70 to 129.70): BE089435.D (-2627) (-)

Ion 127.00 (126.70 to 127.70): BE089435.D (-2627) (-)

Time-->





#5

2-Methylnaphthalene

Concen: 0.58 ng

RT: 14.21 min Scan# 2977

Delta R.T. -0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

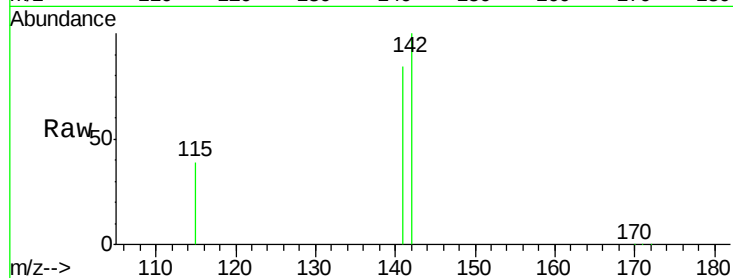
Tgt Ion:142 Resp: 27173

Ion Ratio Lower Upper

142 100

141 84.1 66.1 99.1

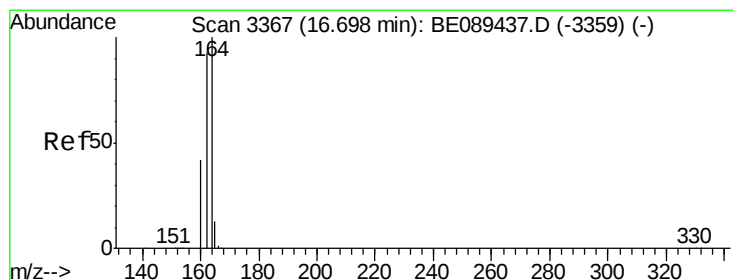
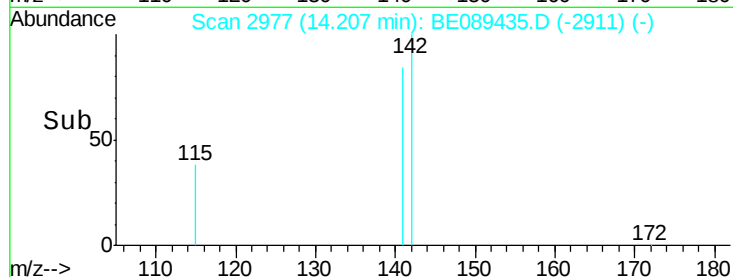
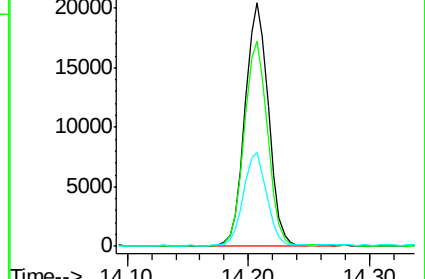
115 38.5 29.9 44.9



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: 16.69 min Scan# 3366

Delta R.T. -0.01 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

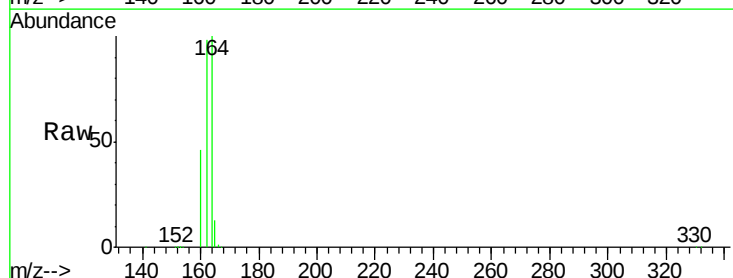
Tgt Ion:164 Resp: 175804

Ion Ratio Lower Upper

164 100

162 98.2 74.7 112.1

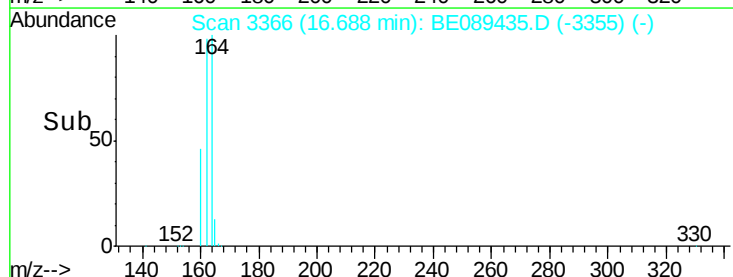
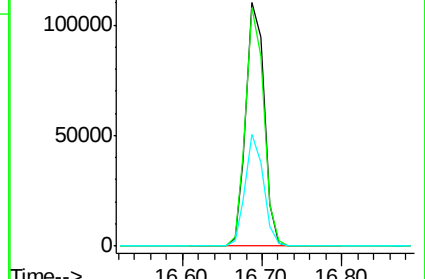
160 46.0 33.4 50.0



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: 0.58 ng

RT: 15.14 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

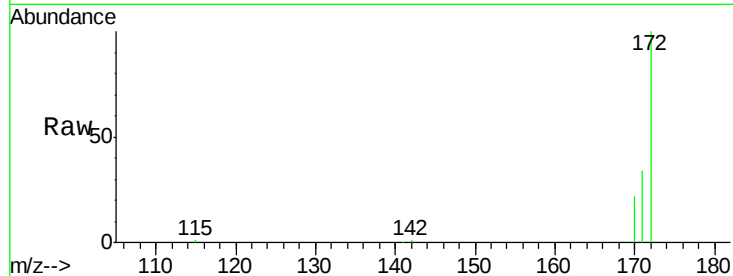
Tgt Ion:172 Resp: 23059

Ion Ratio Lower Upper

172 100

171 33.8 26.2 39.4

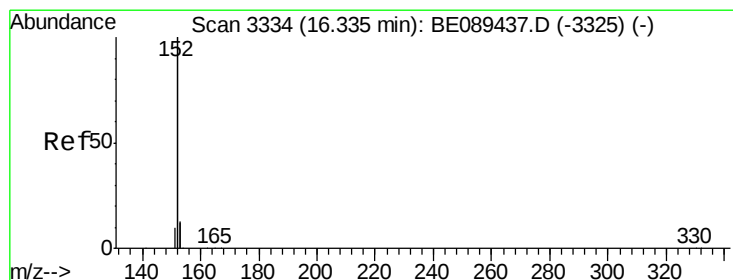
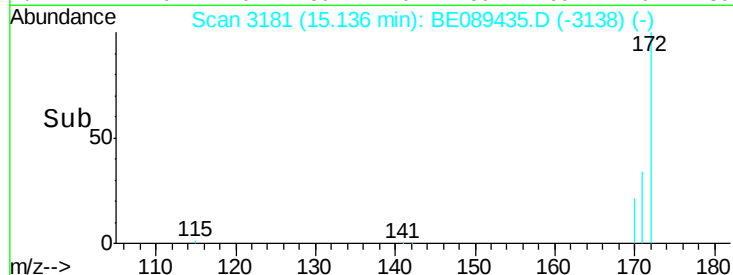
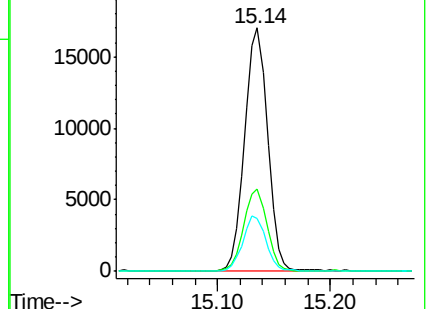
170 21.7 16.5 24.7



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: 0.61 ng

RT: 16.34 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

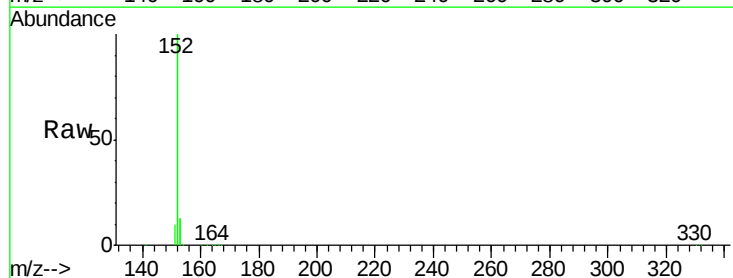
Tgt Ion:152 Resp: 152439

Ion Ratio Lower Upper

152 100

151 4.8 3.9 5.9

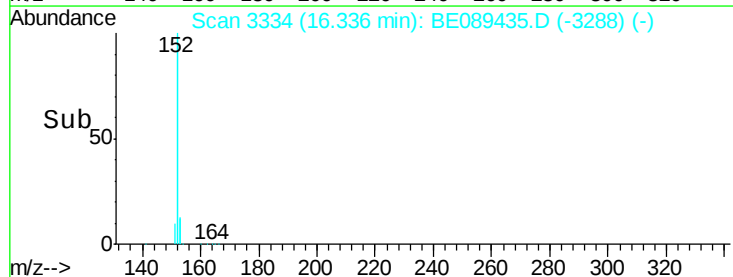
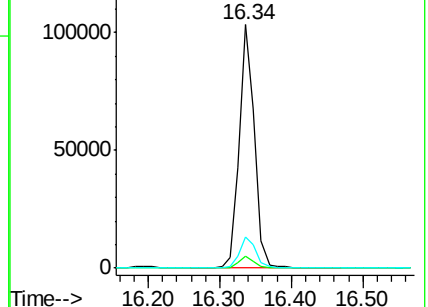
153 12.8 10.3 15.5



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: 0.59 ng

RT: 16.76 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

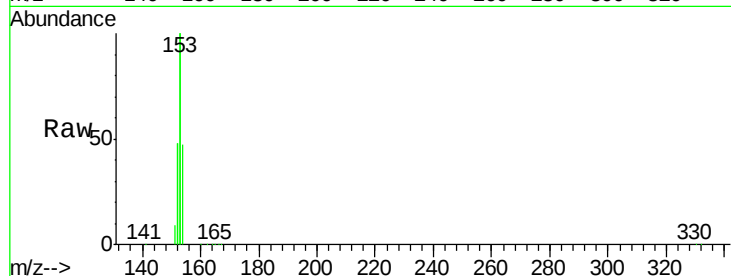
Tgt Ion:154 Resp: 23234

Ion Ratio Lower Upper

154 100

153 431.3 342.3 513.5

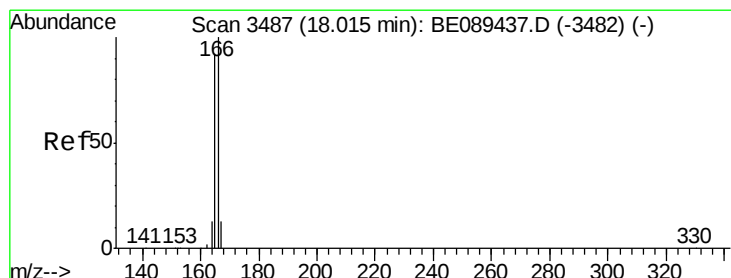
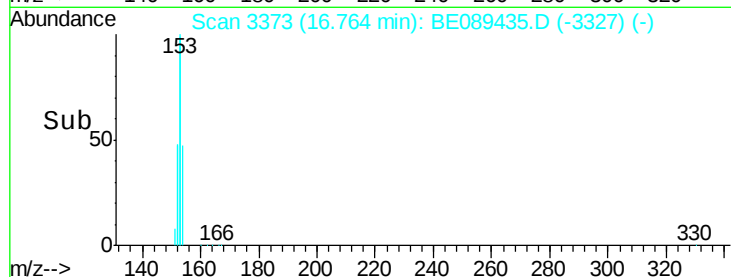
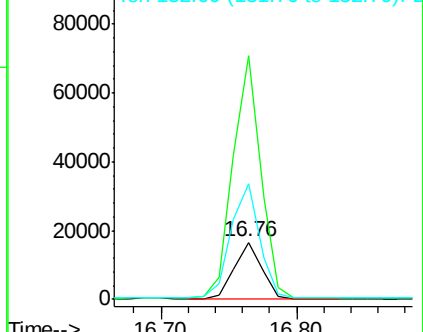
152 213.4 165.5 248.3



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: 0.62 ng

RT: 18.02 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

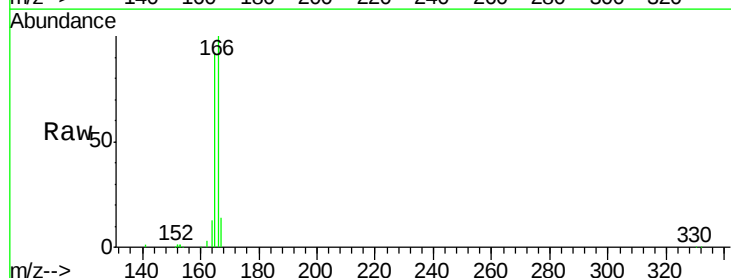
Tgt Ion:166 Resp: 25492

Ion Ratio Lower Upper

166 100

165 93.0 74.4 111.6

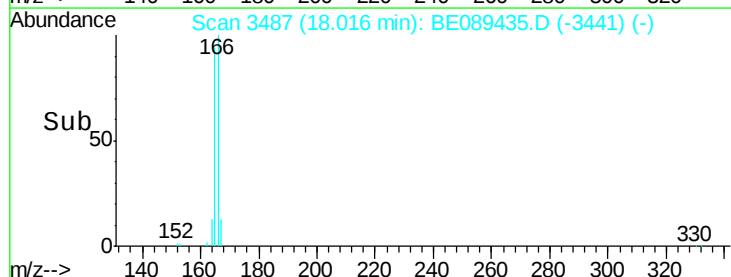
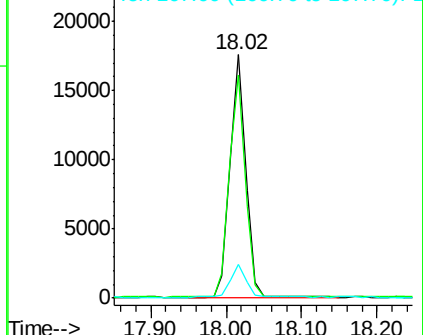
167 13.3 10.6 15.8

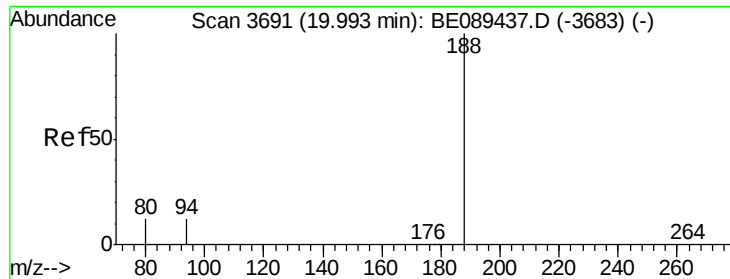


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

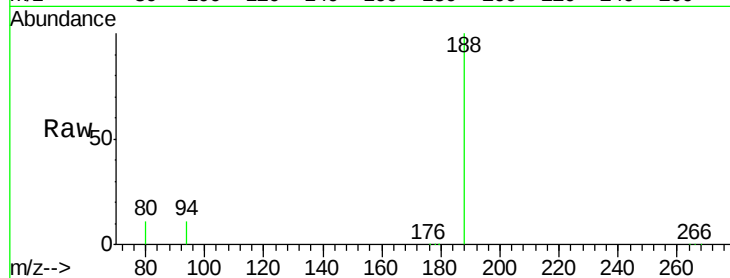




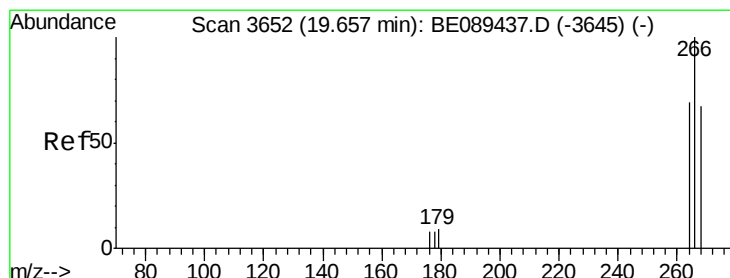
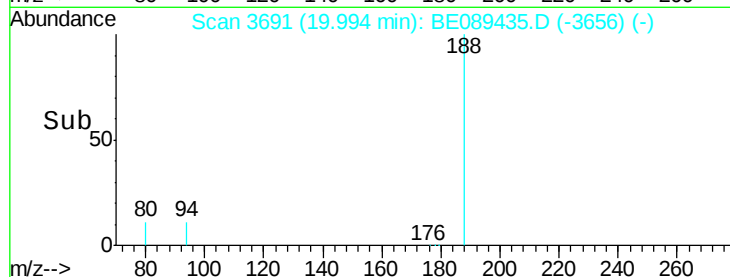
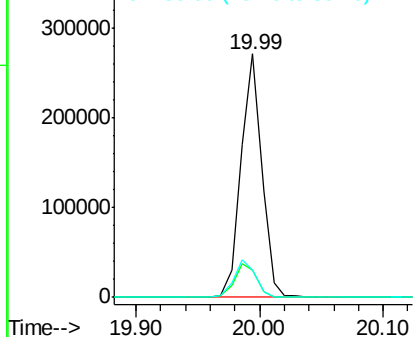
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE089435.D
Acq: 30 Jan 2015 6:50

Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tgt Ion:188 Resp: 316674
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.0
80 11.1 9.3 13.9

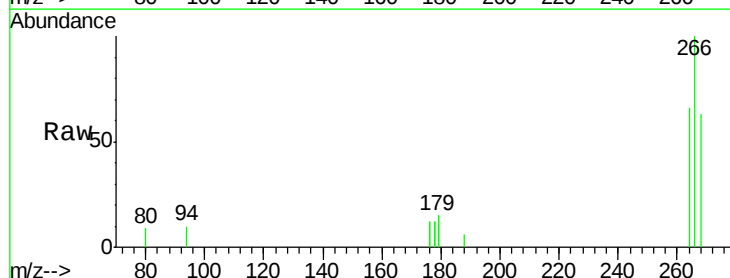


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

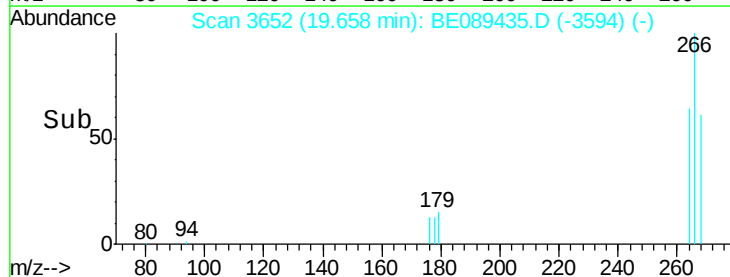
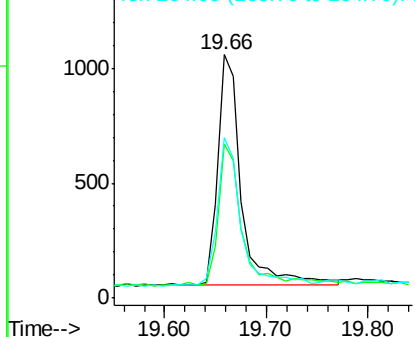


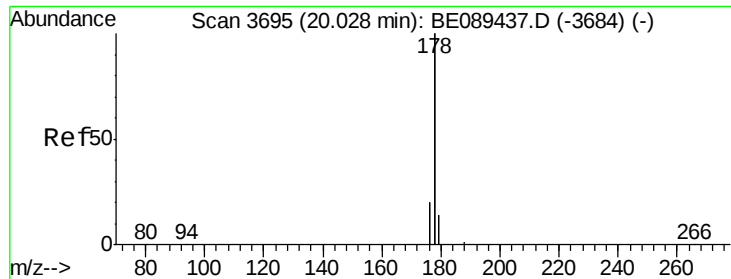
#12
Pentachlorophenol
Concen: 0.43 ng
RT: 19.66 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BE089435.D
Acq: 30 Jan 2015 6:50

Tgt Ion:266 Resp: 1653
Ion Ratio Lower Upper
266 100
268 63.5 54.2 81.4
264 65.9 56.2 84.2



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

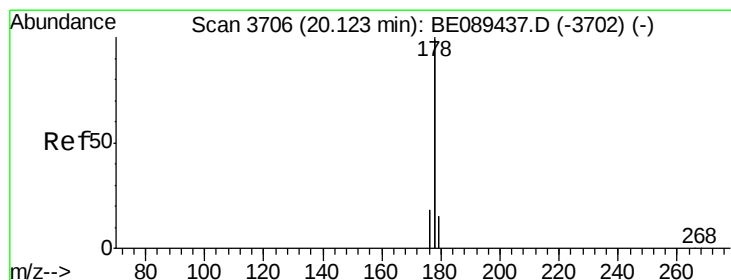
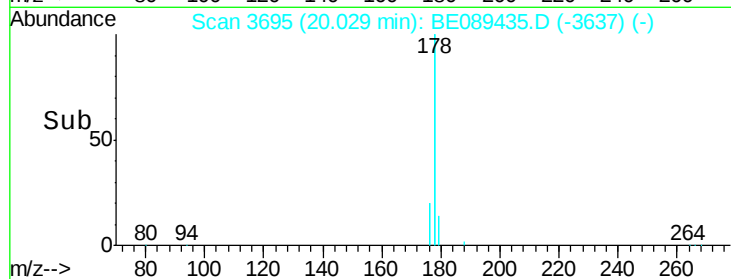
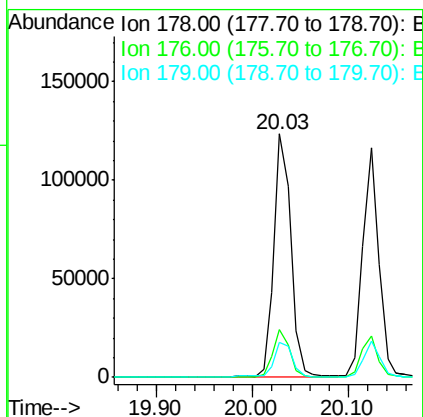
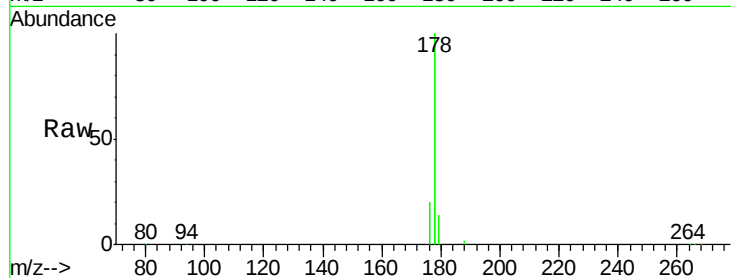




#13
Phenanthrene
Concen: 0.57 ng
RT: 20.03 min Scan# 3695
Delta R.T. 0.00 min
Lab File: BE089435.D
Acq: 30 Jan 2015 6:50

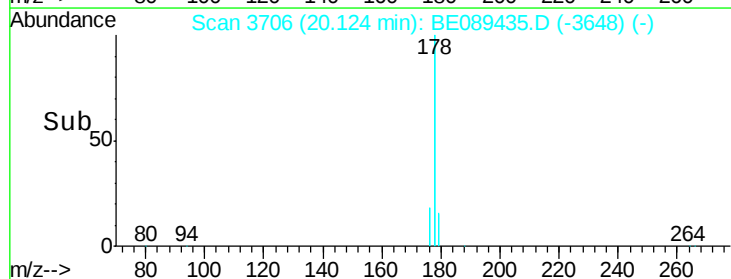
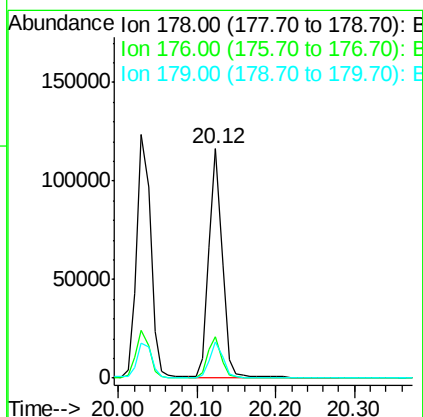
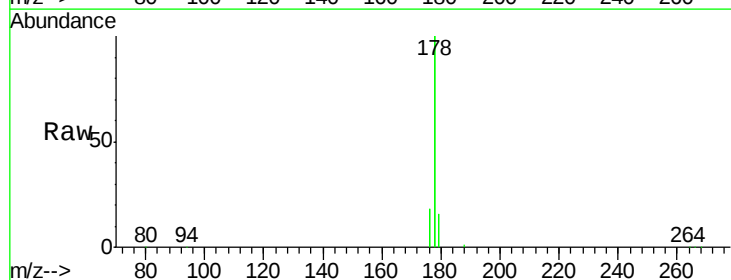
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

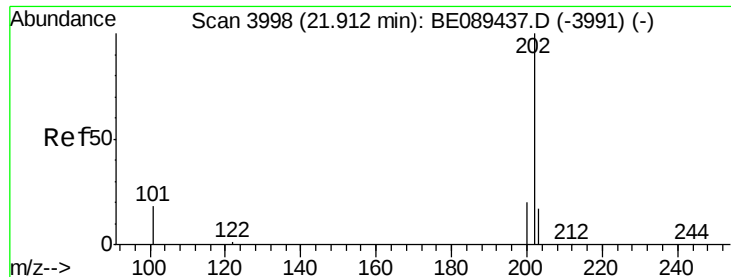
Tgt Ion:178 Resp: 153453
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.6 12.3 18.5



#14
Anthracene
Concen: 0.55 ng
RT: 20.12 min Scan# 3706
Delta R.T. 0.00 min
Lab File: BE089435.D
Acq: 30 Jan 2015 6:50

Tgt Ion:178 Resp: 136368
Ion Ratio Lower Upper
178 100
176 18.1 14.6 22.0
179 15.2 12.2 18.2





#15

Fluoranthene

Concen: 0.61 ng

RT: 21.91 min Scan# 3998

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

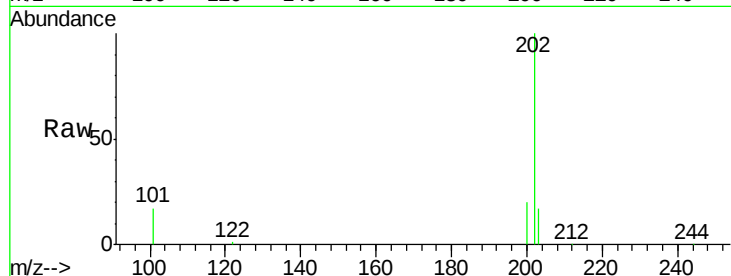
Tgt Ion: 202 Resp: 32676

Ion Ratio Lower Upper

202 100

101 17.0 13.6 20.4

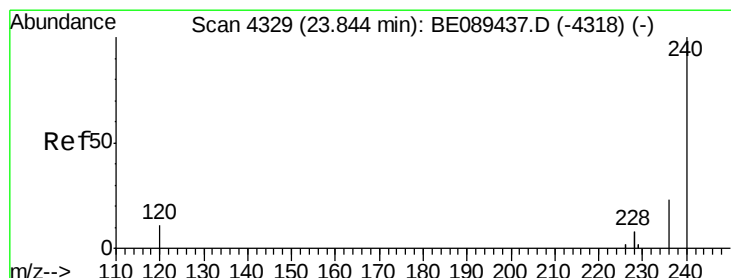
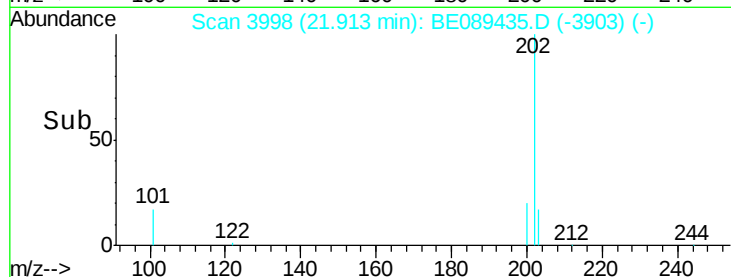
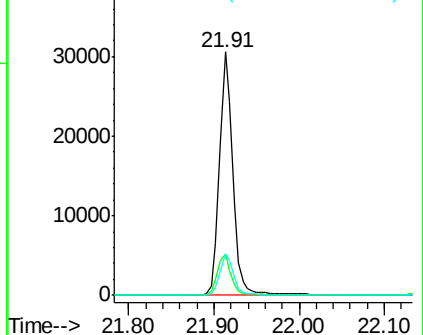
203 17.2 13.8 20.6



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: 23.85 min Scan# 4329

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

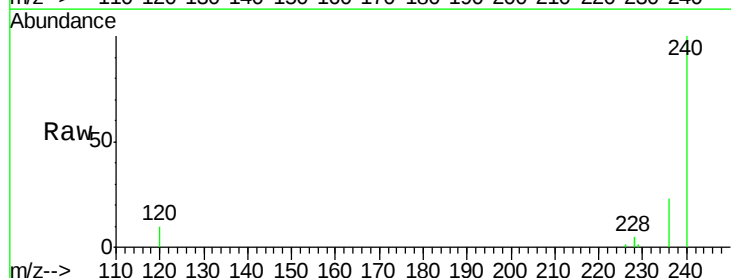
Tgt Ion: 240 Resp: 267091

Ion Ratio Lower Upper

240 100

120 9.8 8.6 13.0

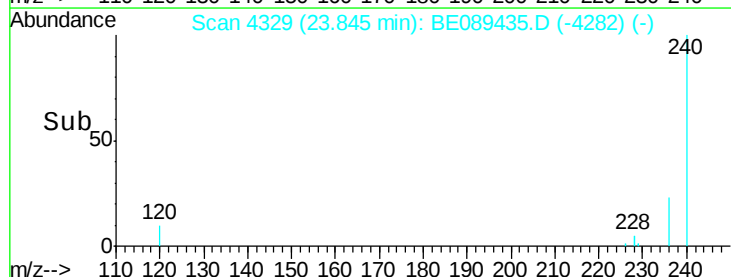
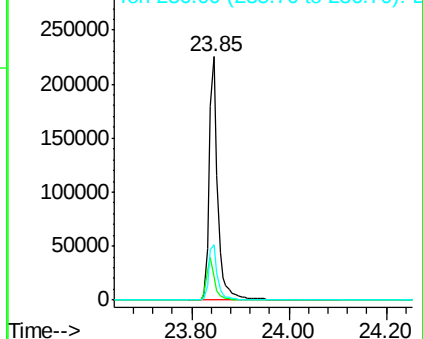
236 22.9 18.7 28.1



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

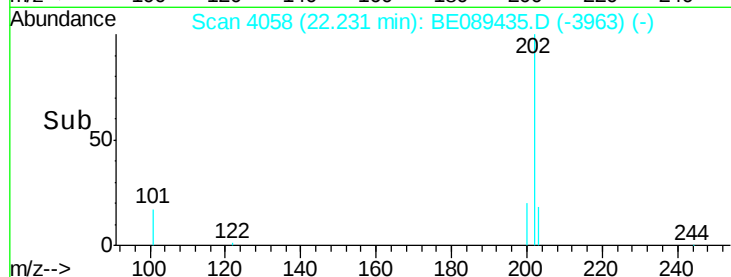
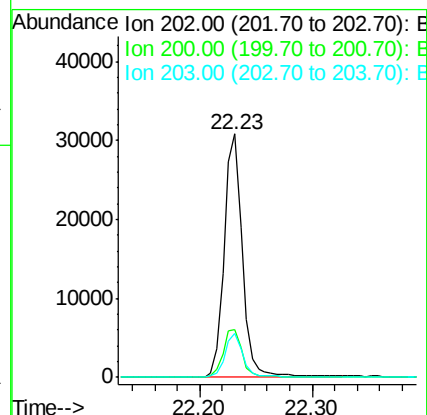
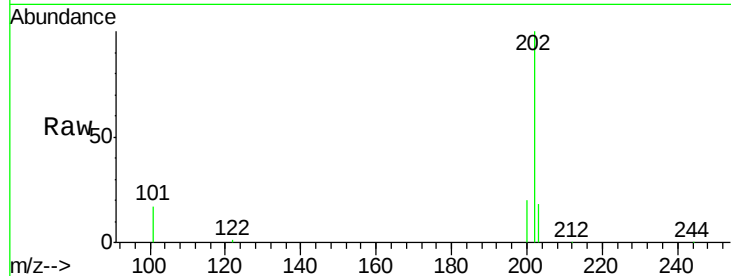




#17
 Pyrene
 Concen: 0.51 ng
 RT: 22.23 min Scan# 4058
 Delta R.T. 0.00 min
 Lab File: BE089435.D
 Acq: 30 Jan 2015 6:50

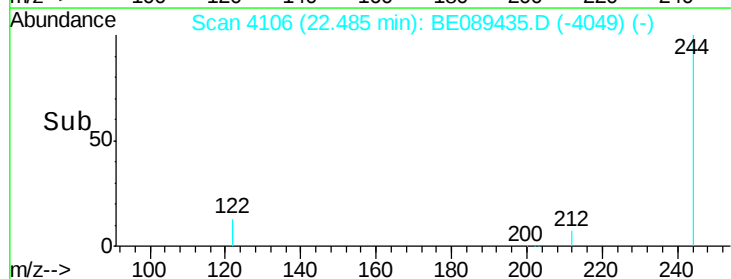
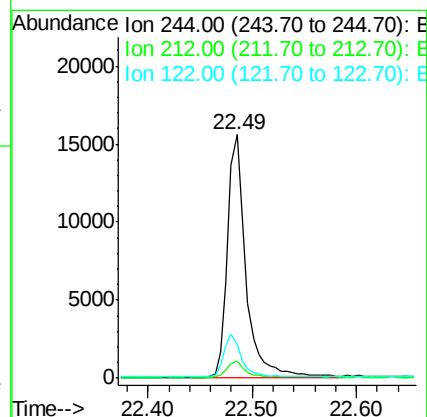
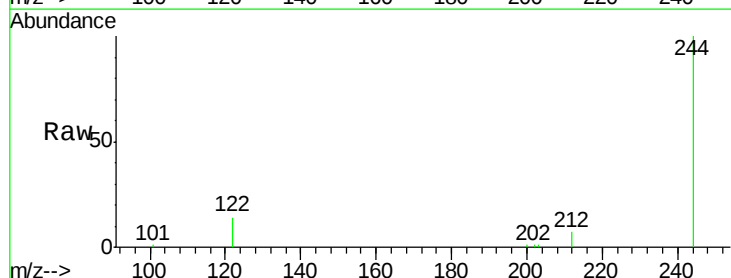
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Tgt Ion: 202 Resp: 34222
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.2 24.4
 203 17.3 13.8 20.8



#18
 Terphenyl-d14
 Concen: 0.56 ng
 RT: 22.49 min Scan# 4106
 Delta R.T. 0.00 min
 Lab File: BE089435.D
 Acq: 30 Jan 2015 6:50

Tgt Ion: 244 Resp: 19249
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.6
 122 13.7 10.2 15.4





#19

Benzo(a)anthracene

Concen: 0.57 ng

RT: 23.83 min Scan# 4327

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

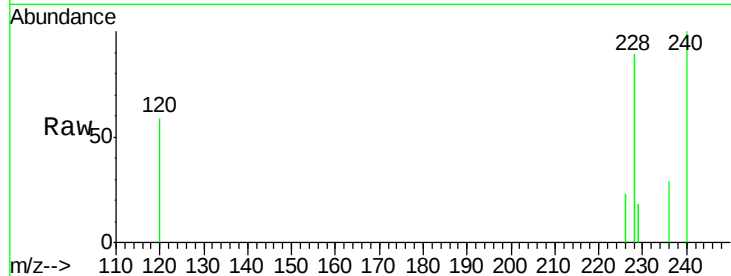
Tgt Ion:228 Resp: 103534

Ion Ratio Lower Upper

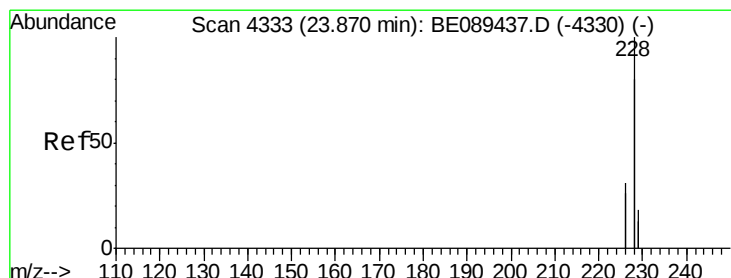
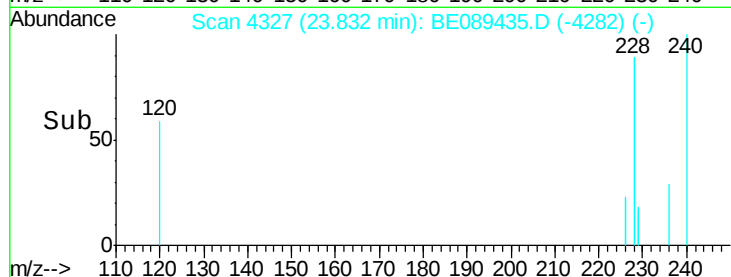
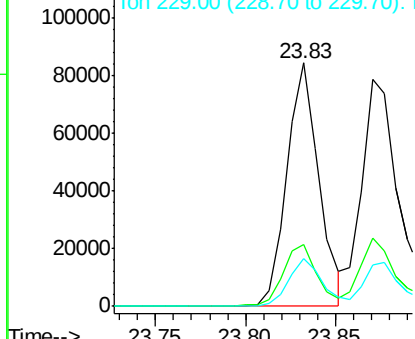
228 100

226 25.3 20.0 30.0

229 19.7 16.0 24.0



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: 0.57 ng

RT: 23.87 min Scan# 4333

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

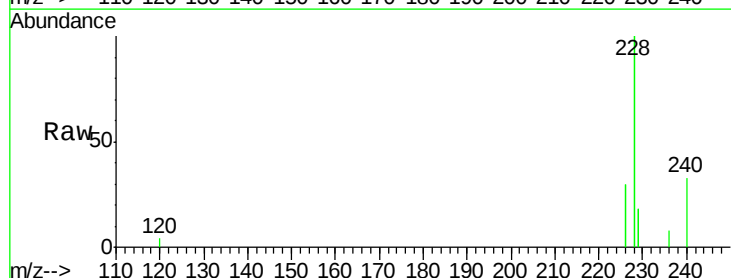
Tgt Ion:228 Resp: 128140

Ion Ratio Lower Upper

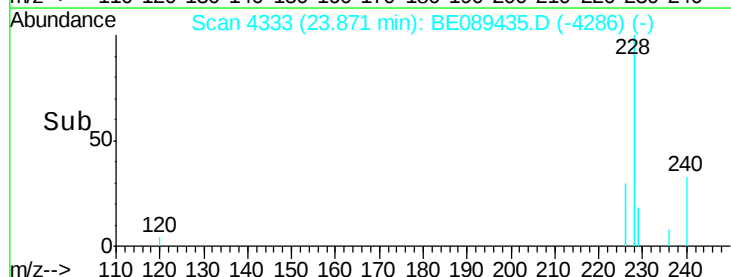
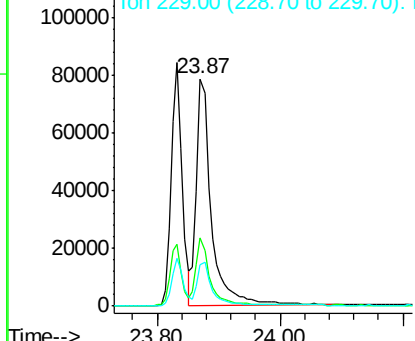
228 100

226 30.1 24.5 36.7

229 18.3 14.1 21.1



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: 0.81 ng

RT: 27.06 min Scan# 4950

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

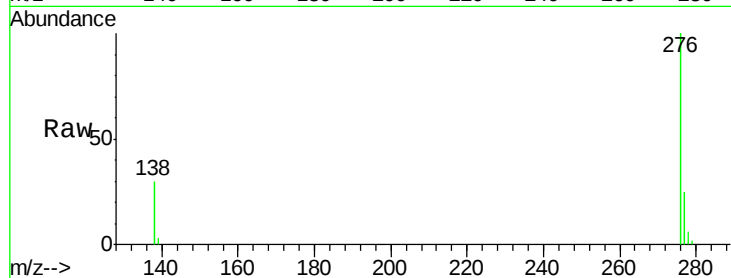
Tgt Ion:276 Resp: 101329

Ion Ratio Lower Upper

276 100

138 29.4 25.4 38.0

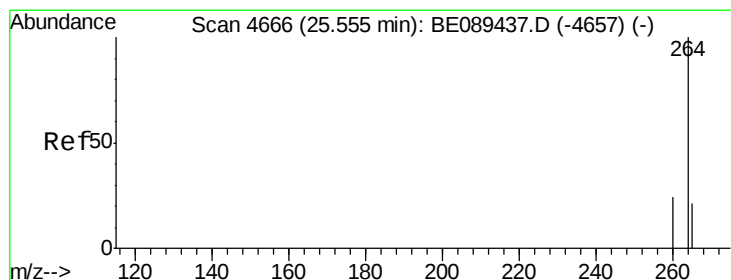
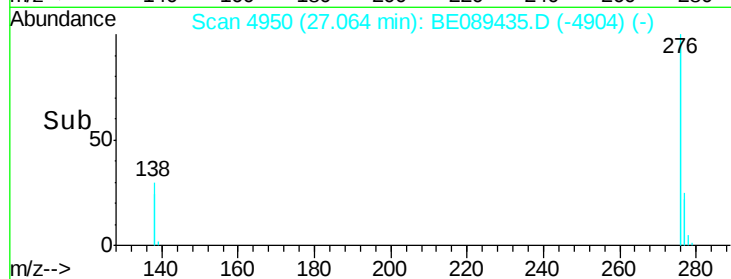
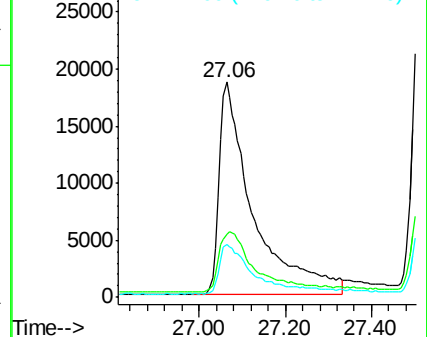
277 23.0 19.8 29.6



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: 25.56 min Scan# 4666

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

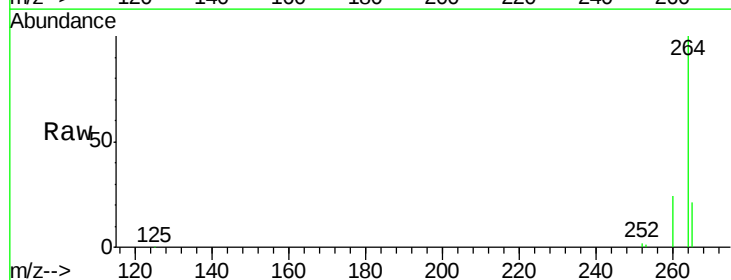
Tgt Ion:264 Resp: 259451

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

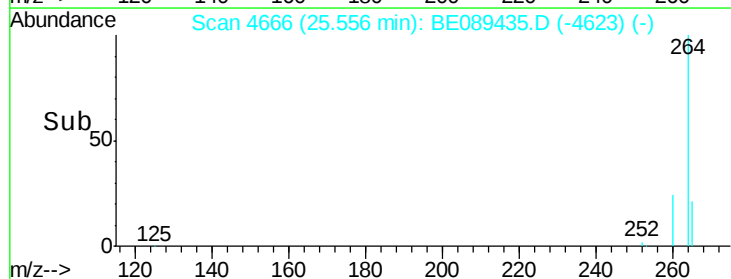
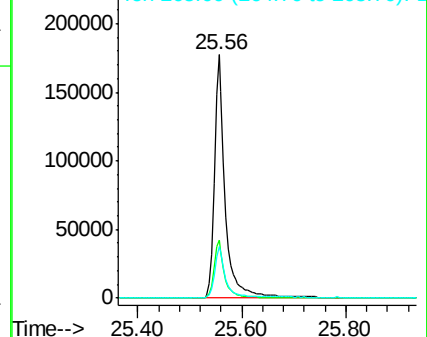
265 21.5 17.0 25.6



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: 0.47 ng

RT: 25.10 min Scan# 4566

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

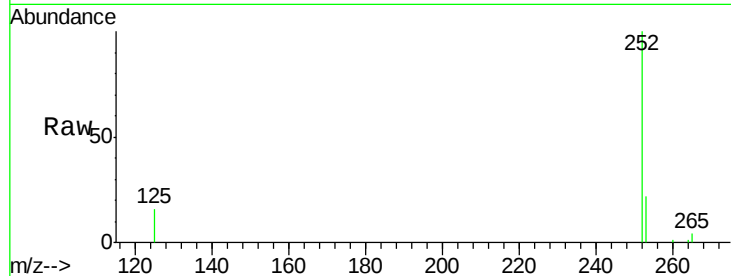
Tgt Ion:252 Resp: 14348

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

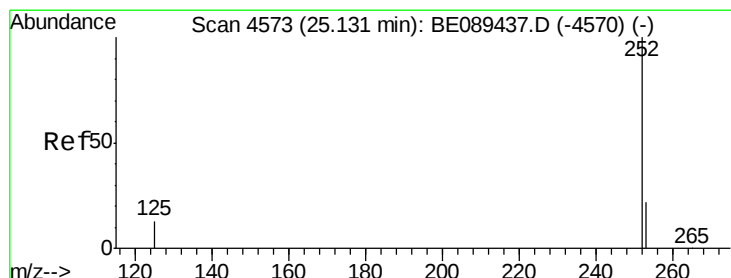
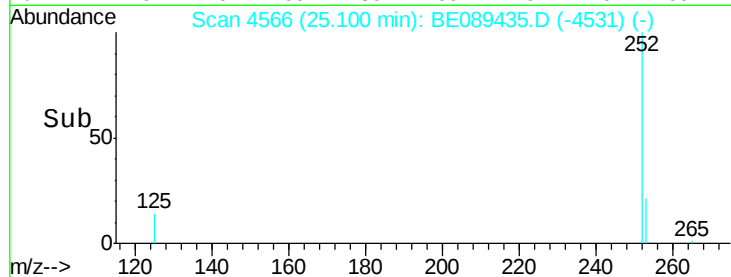
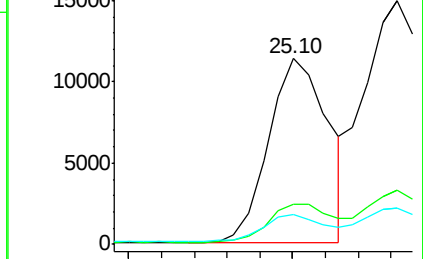
125 15.8 11.4 17.0



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: 0.65 ng

RT: 25.13 min Scan# 4573

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

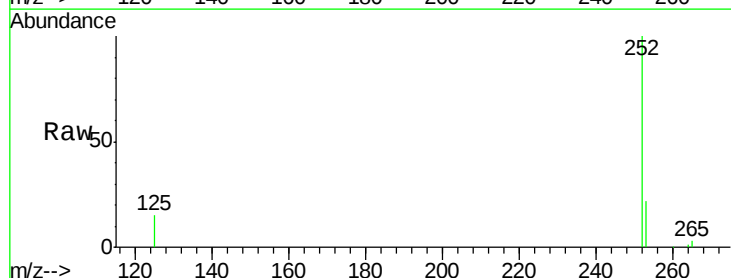
Tgt Ion:252 Resp: 34029

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

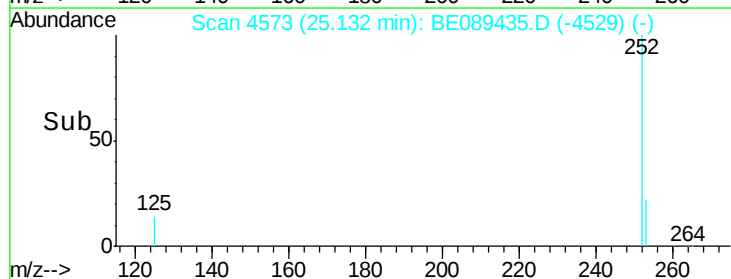
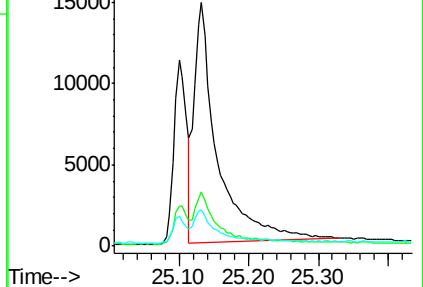
125 14.9 10.9 16.3



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: 0.56 ng

RT: 25.49 min Scan# 4651

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

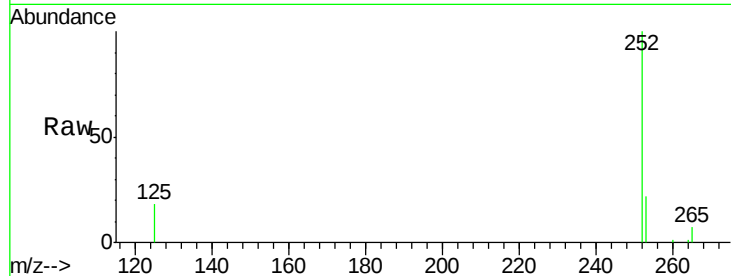
Tgt Ion: 252 Resp: 17120

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

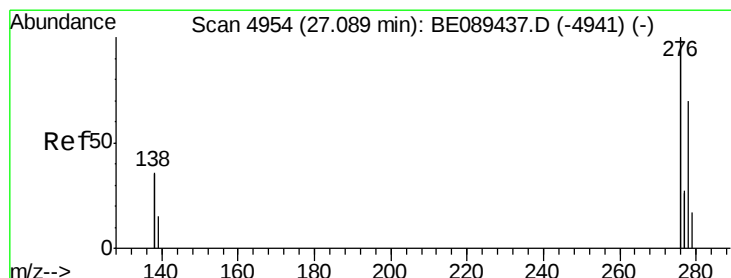
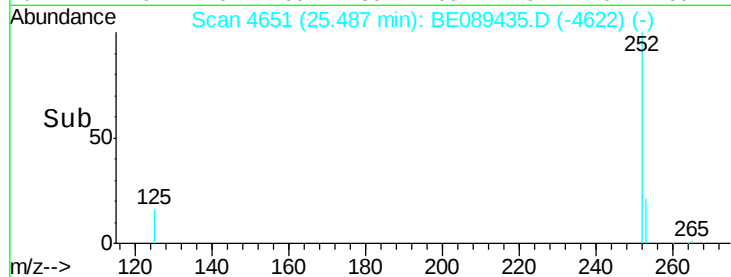
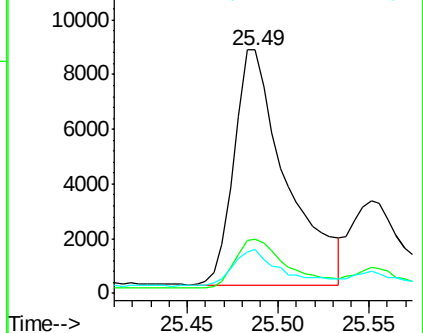
125 18.3 12.0 18.0#



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: 0.71 ng

RT: 27.09 min Scan# 4954

Delta R.T. 0.00 min

Lab File: BE089435.D

Acq: 30 Jan 2015 6:50

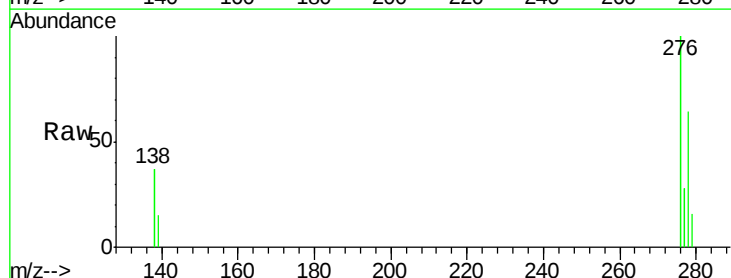
Tgt Ion: 278 Resp: 18264

Ion Ratio Lower Upper

278 100

139 23.3 17.0 25.4

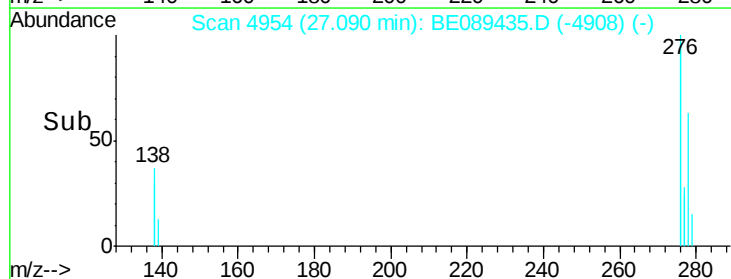
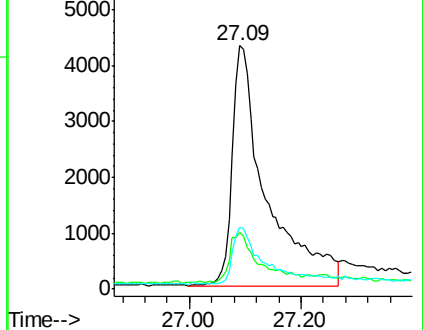
279 25.3 19.1 28.7



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: 0.64 ng

RT: 27.51 min Scan# 5019

Delta R.T. 0.01 min

Lab File: BE089435.D

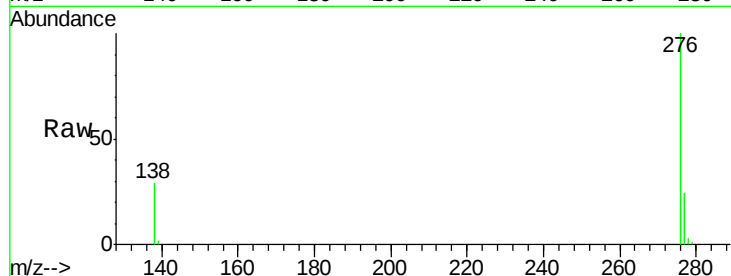
Acq: 30 Jan 2015 6:50

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5



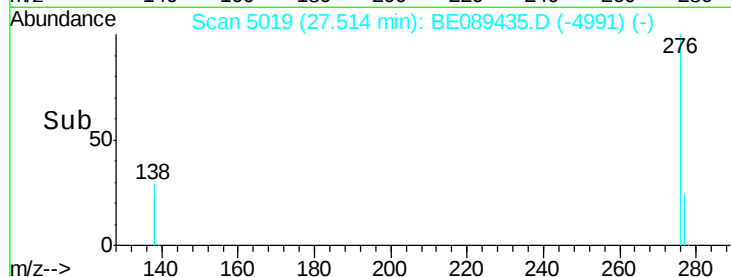
Tgt Ion:276 Resp: 95660

Ion Ratio Lower Upper

276 100

277 24.0 18.4 27.6

138 29.3 23.7 35.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

