

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
 Data File : BE089507.D
 Acq On : 5 Feb 2015 16:02
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Feb 06 02:50:39 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 06 02:40:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	27461	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	118967	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	54429	5.00	ng	0.00
11) Phenanthrene-d10	19.90	188	105167	5.00	ng	0.00
16) Chrysene-d12	23.76	240	113206	5.00	ng	0.00
22) Perylene-d12	25.46	264	112200	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.75	82	939	0.10	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	1917	0.11	ng	0.00
18) Terphenyl-d14	22.41	244	2077	0.11	ng	0.00

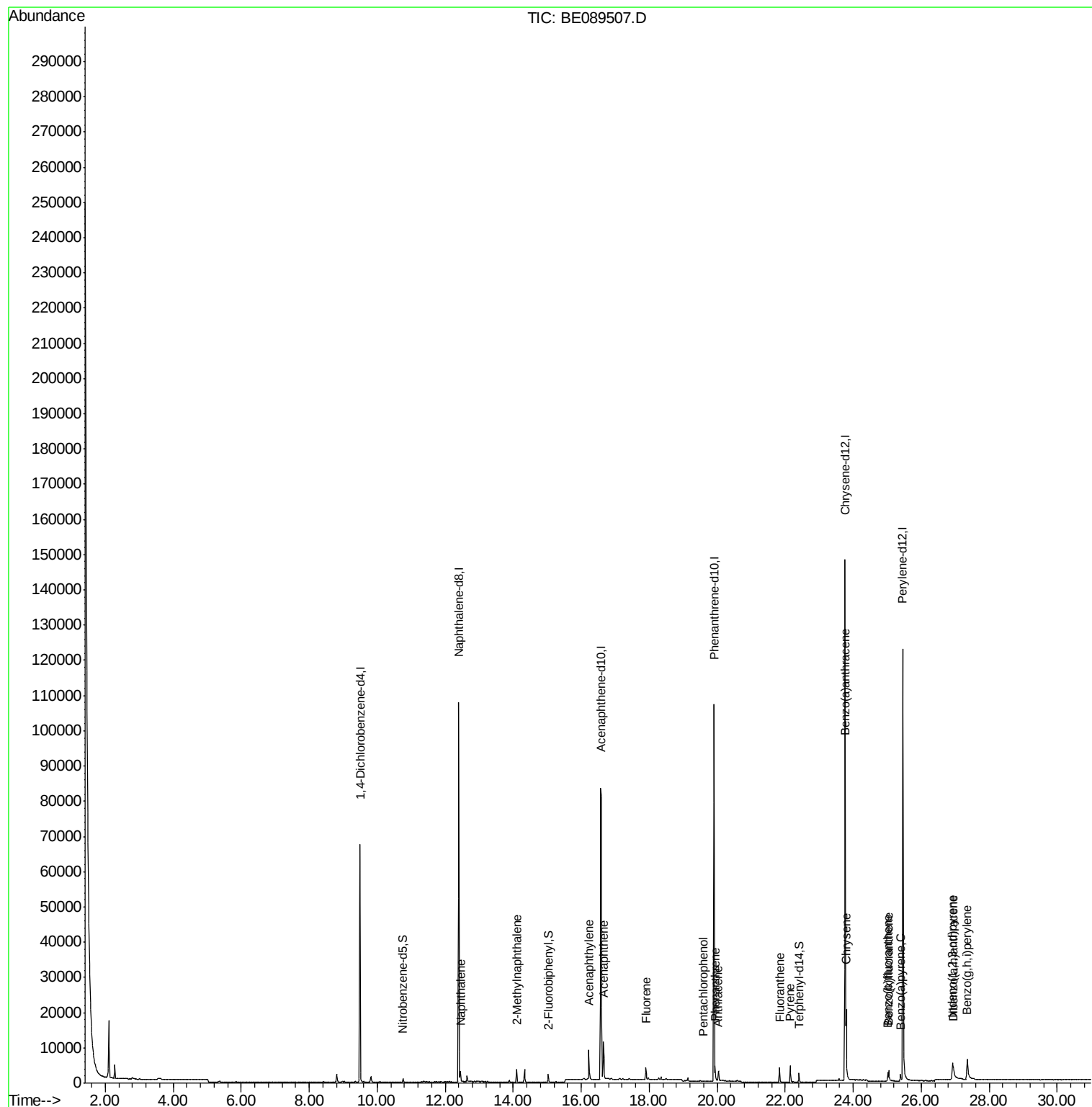
Target Compounds						Qvalue
4) Naphthalene	12.45	128	3382	0.11	ng	# 92
5) 2-Methylnaphthalene	14.10	142	2160	0.11	ng	94
8) Acenaphthylene	16.23	152	11911	0.10	ng	100
9) Acenaphthene	16.65	154	2004	0.11	ng	93
10) Fluorene	17.91	166	2096	0.10	ng	94
12) Pentachlorophenol	19.60	266	4	0.00	ng	# 71
13) Phenanthrene	19.94	178	3577	0.11	ng	99
14) Anthracene	20.03	178	2825	0.10	ng	99
15) Fluoranthene	21.83	202	3086	0.10	ng	100
17) Pyrene	22.15	202	3309	0.10	ng	99
19) Benzo(a)anthracene	23.75	228	13390	0.11	ng	97
20) Chrysene	23.79	228	14372	0.11	ng	98
21) Indeno(1,2,3-cd)pyrene	26.92	276	11345	0.09	ng	100
23) Benzo(b)fluoranthene	25.02	252	2369	0.09	ng	# 92
24) Benzo(k)fluoranthene	25.05	252	3630	0.10	ng	# 95
25) Benzo(a)pyrene	25.39	252	2440	0.09	ng	# 90
26) Dibenzo(a,h)anthracene	26.95	278	2157	0.08	ng	# 83
27) Benzo(g,h,i)perylene	27.36	276	11172	0.10	ng	# 88

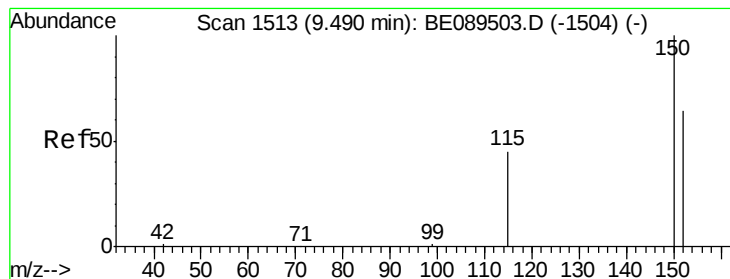
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

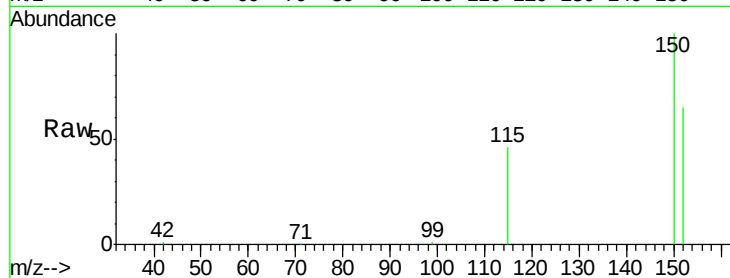
Tgt Ion:152 Resp: 27461

Ion Ratio Lower Upper

152 100

150 154.1 125.0 187.6

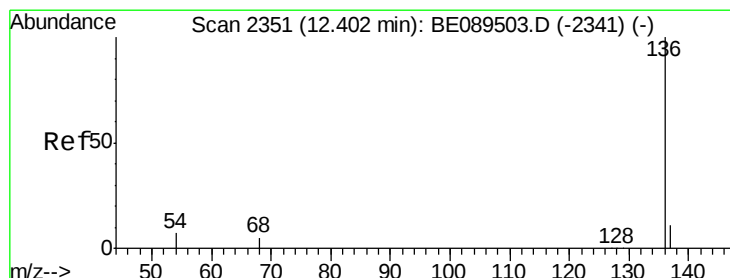
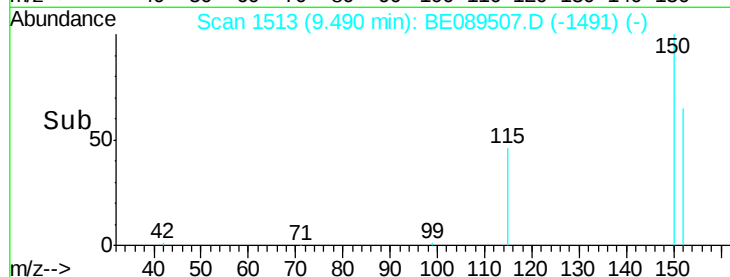
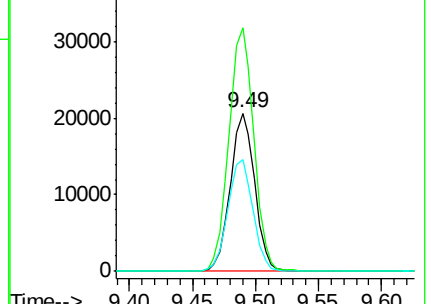
115 70.6 56.6 85.0



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: 12.40 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

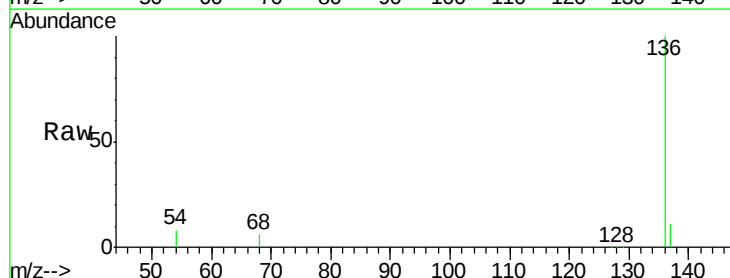
Tgt Ion:136 Resp: 118967

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

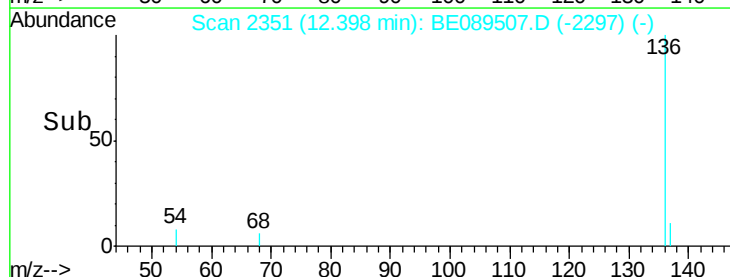
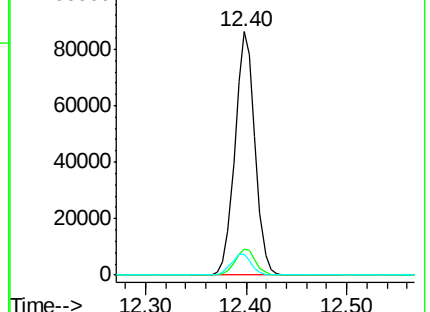
54 8.4 6.0 9.0

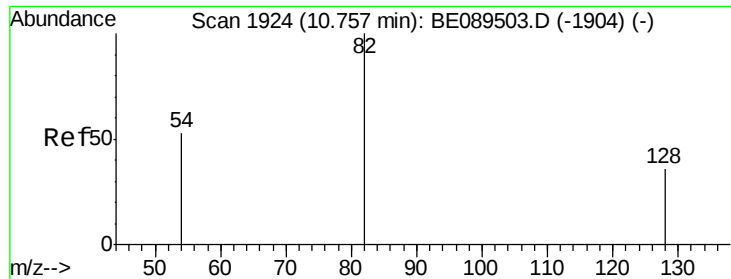


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.10 ng

RT: 10.75 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

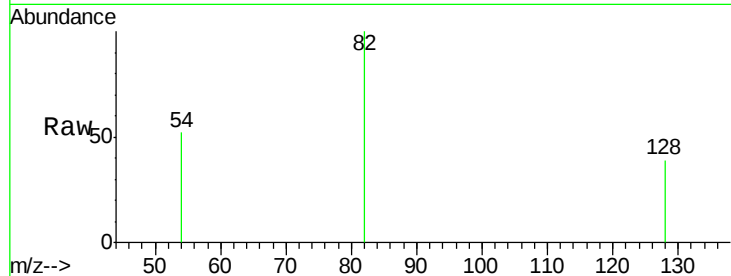
Tgt Ion: 82 Resp: 939

Ion Ratio Lower Upper

82 100

128 38.8 29.3 43.9

54 51.9 42.6 64.0

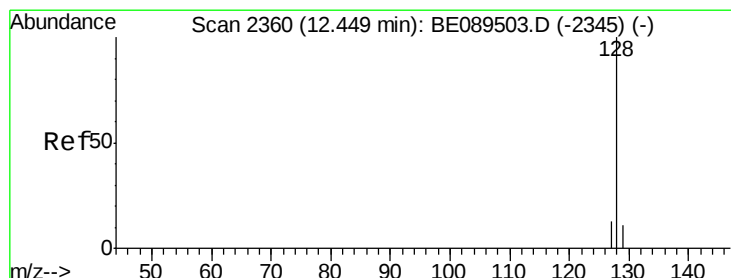
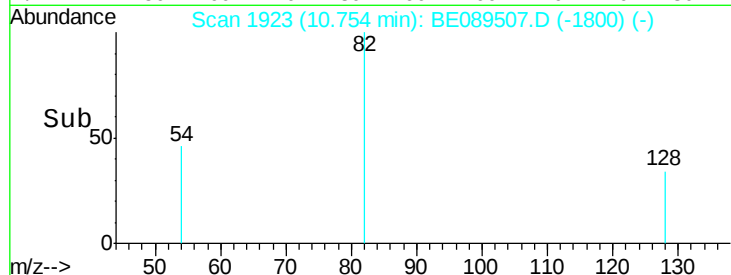


Abundance Ion 82.00 (81.70 to 82.70): BE089507.D (-1800) (-)

Ion 128.00 (127.70 to 128.70): BE089507.D (-1800) (-)

Ion 54.00 (53.70 to 54.70): BE089507.D (-1800) (-)

Time-->



#4

Naphthalene

Concen: 0.11 ng

RT: 12.45 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

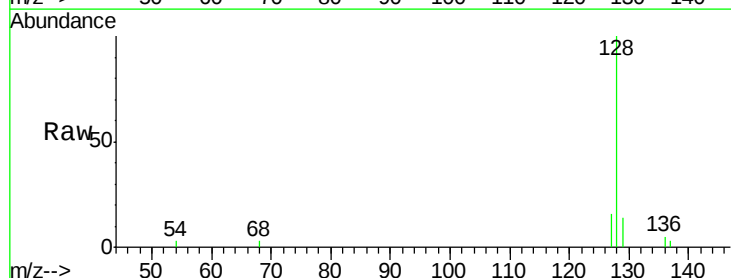
Tgt Ion: 128 Resp: 3382

Ion Ratio Lower Upper

128 100

129 14.1 8.8 13.2#

127 15.9 10.3 15.5#

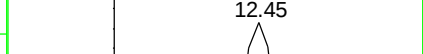
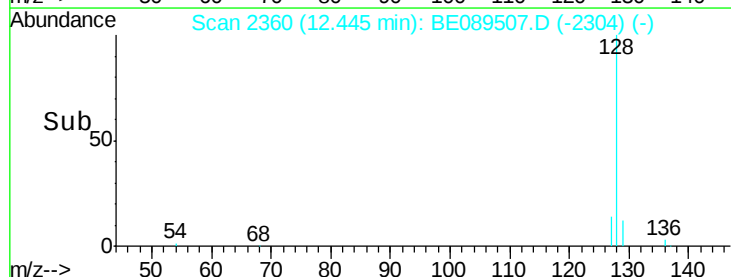


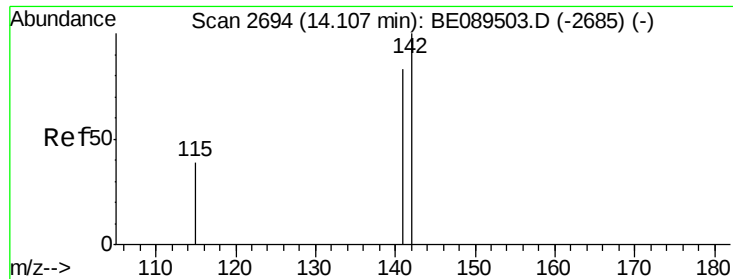
Abundance Ion 128.00 (127.70 to 128.70): BE089507.D (-2304) (-)

Ion 129.00 (128.70 to 129.70): BE089507.D (-2304) (-)

Ion 127.00 (126.70 to 127.70): BE089507.D (-2304) (-)

Time-->





#5

2-Methylnaphthalene

Concen: 0.11 ng

RT: 14.10 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

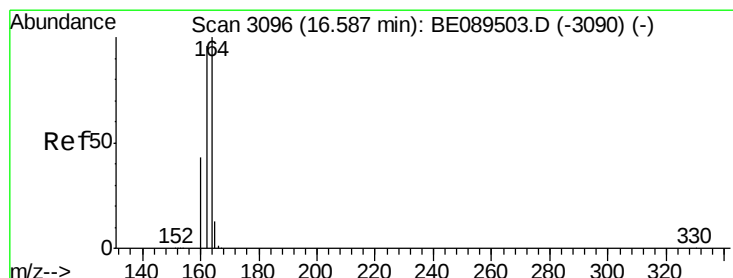
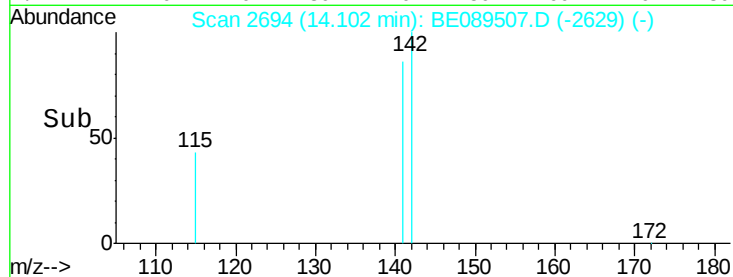
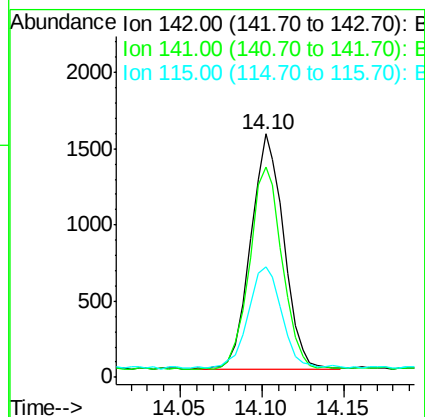
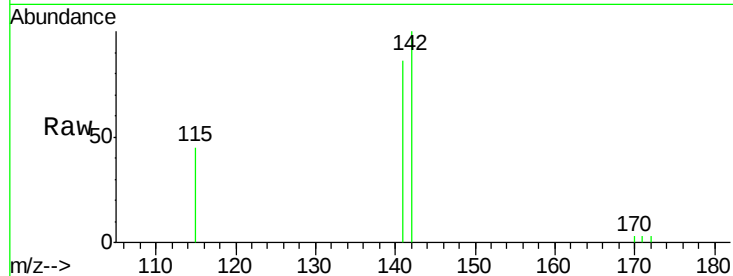
Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

Tgt Ion:	142	Resp:	2160
Ion	Ratio	Lower	Upper
142	100		
141	86.3	66.3	99.5
115	45.4	31.1	46.7



#6

Acenaphthene-d10

Concen: 5.00 ng

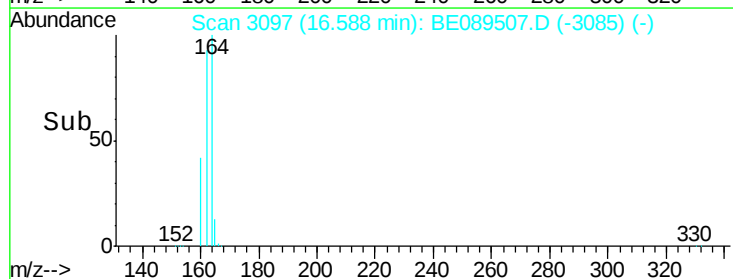
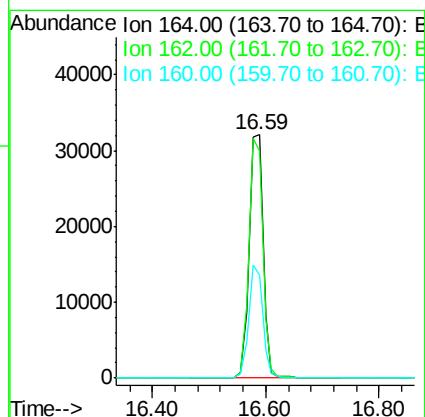
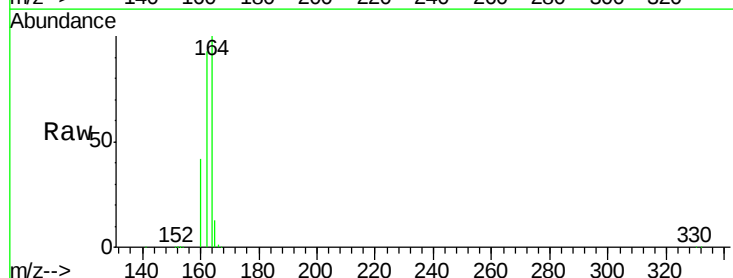
RT: 16.59 min Scan# 3097

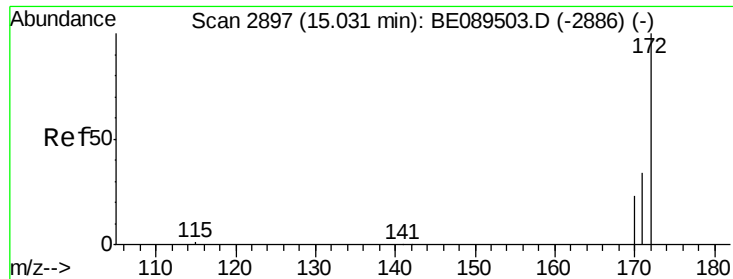
Delta R.T. 0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Tgt Ion:	164	Resp:	54429
Ion	Ratio	Lower	Upper
164	100		
162	93.4	76.6	115.0
160	42.4	34.6	52.0





#7

2-Fluorobiphenyl

Concen: 0.11 ng

RT: 15.03 min Scan# 2898

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

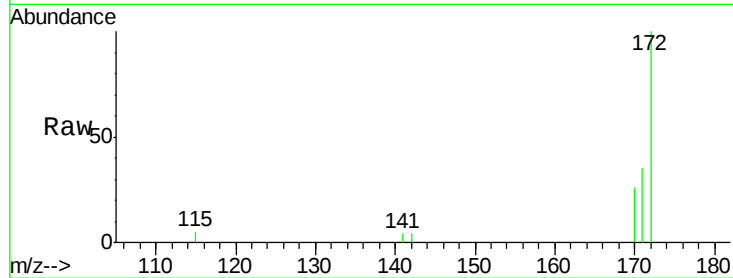
Tgt Ion:172 Resp: 1917

Ion Ratio Lower Upper

172 100

171 35.0 27.4 41.0

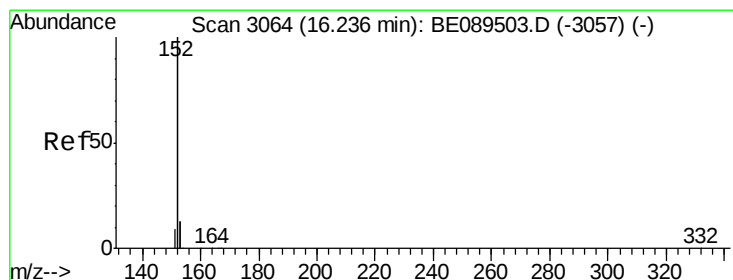
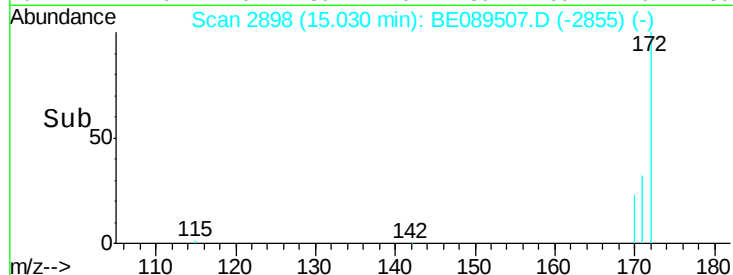
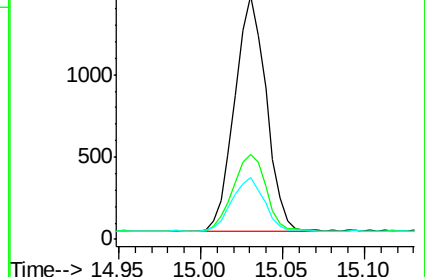
170 25.6 18.4 27.6



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: 0.10 ng

RT: 16.23 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

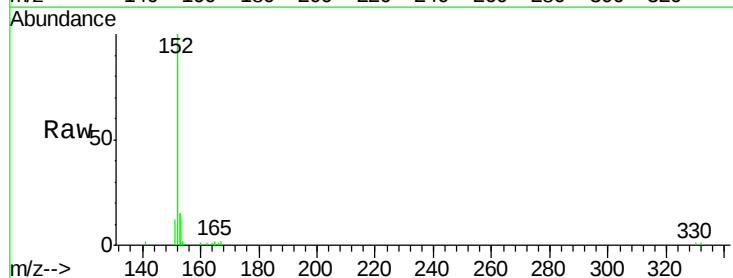
Tgt Ion:152 Resp: 11911

Ion Ratio Lower Upper

152 100

151 5.3 3.9 5.9

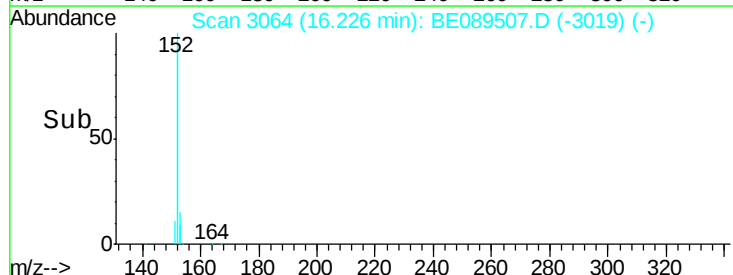
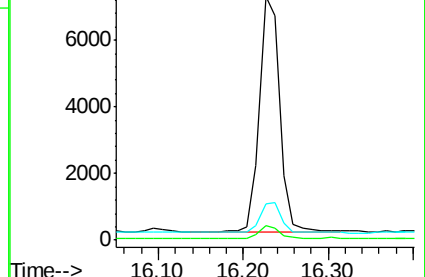
153 13.1 10.4 15.6

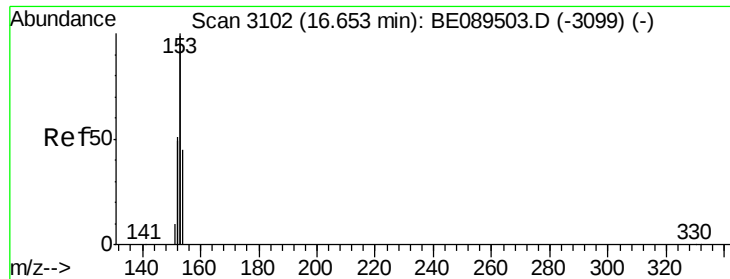


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.11 ng

RT: 16.65 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

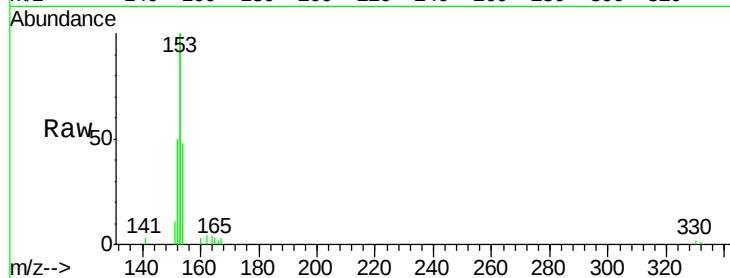
Tgt Ion:154 Resp: 2004

Ion Ratio Lower Upper

154 100

153 445.1 341.5 512.3

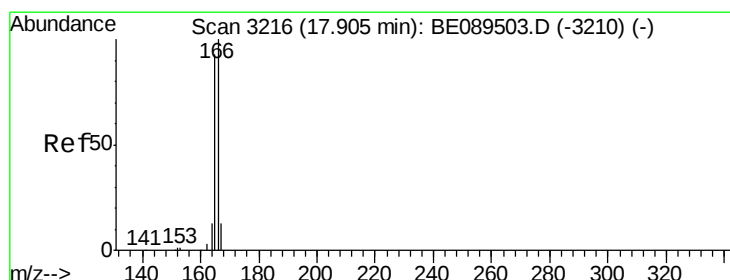
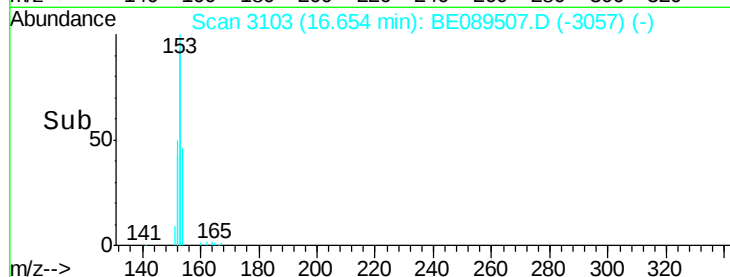
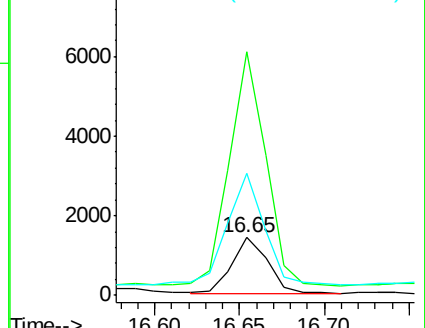
152 217.4 166.6 249.8



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: 0.10 ng

RT: 17.91 min Scan# 3217

Delta R.T. 0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

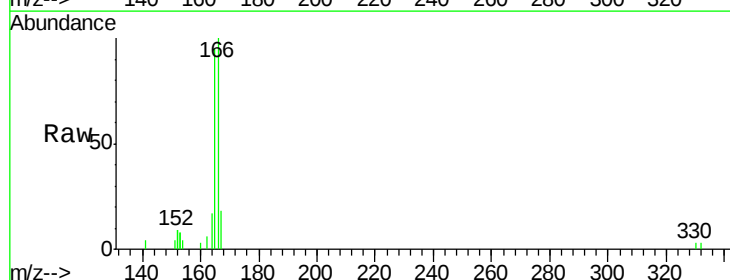
Tgt Ion:166 Resp: 2096

Ion Ratio Lower Upper

166 100

165 97.9 73.6 110.4

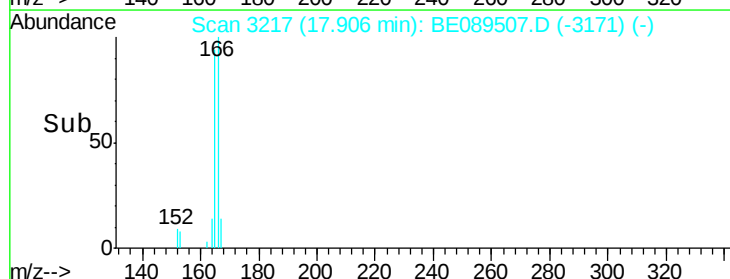
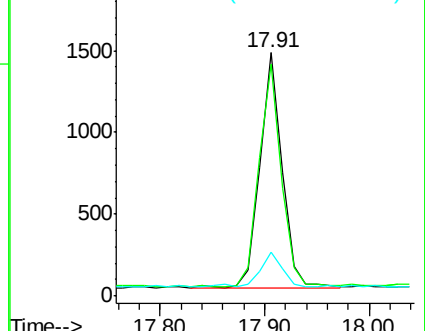
167 15.5 10.6 15.8

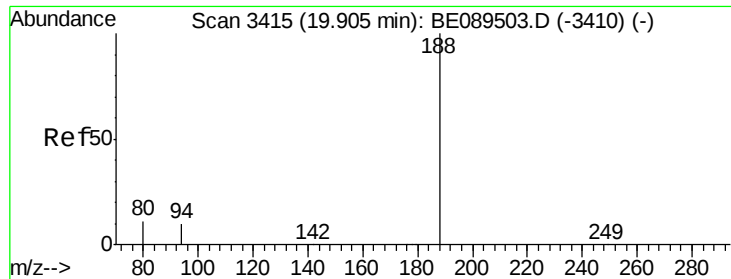


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

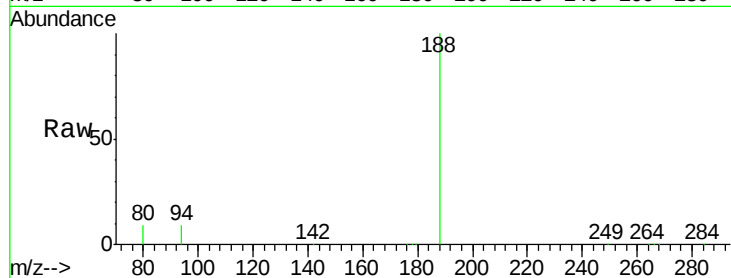




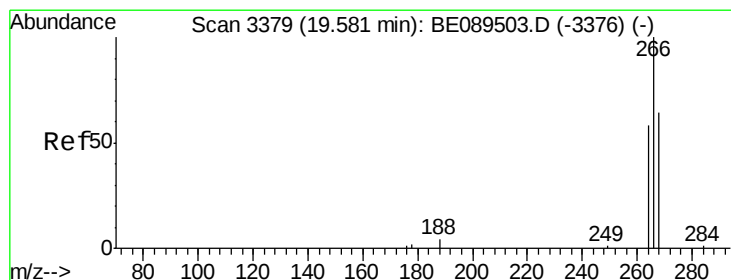
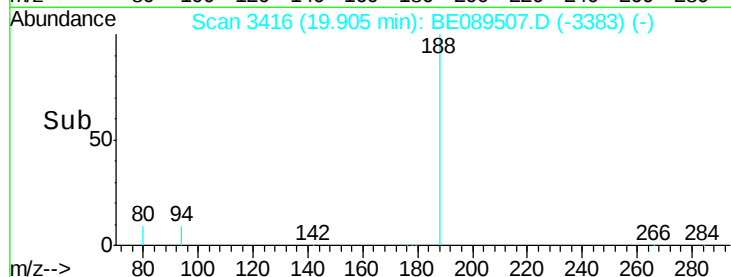
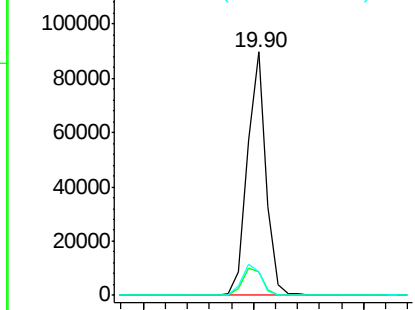
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3416
Delta R.T. -0.00 min
Lab File: BE089507.D
Acq: 5 Feb 2015 16:02

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion:188 Resp: 105167
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.4
80 9.4 8.7 13.1

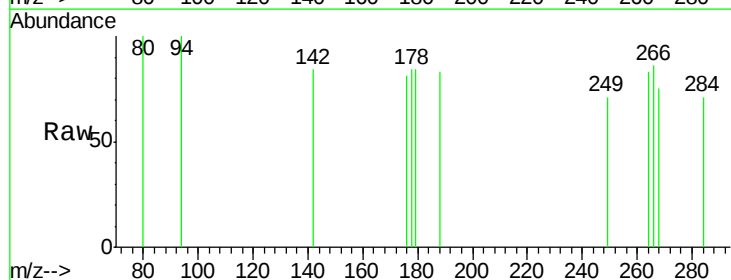


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

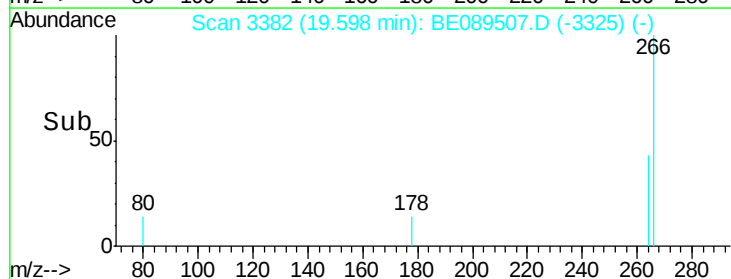
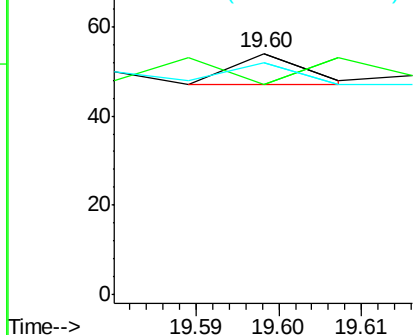


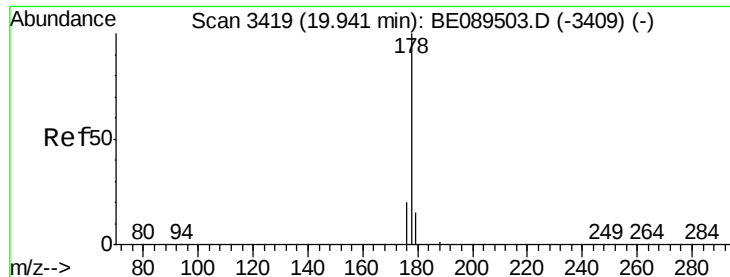
#12
Pentachlorophenol
Concen: 0.00 ng
RT: 19.60 min Scan# 3382
Delta R.T. 0.02 min
Lab File: BE089507.D
Acq: 5 Feb 2015 16:02

Tgt Ion:266 Resp: 4
Ion Ratio Lower Upper
266 100
268 87.0 56.7 85.1#
264 96.3 51.9 77.9#



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

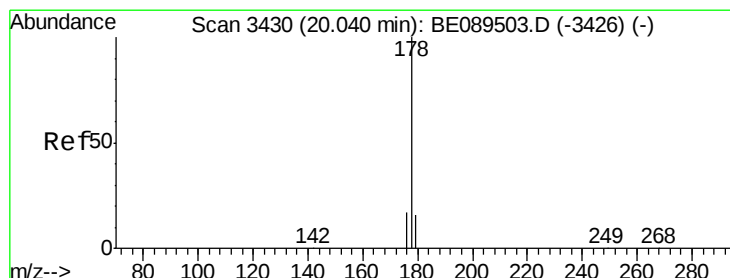
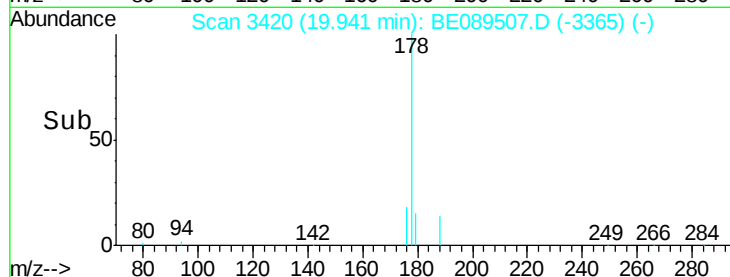
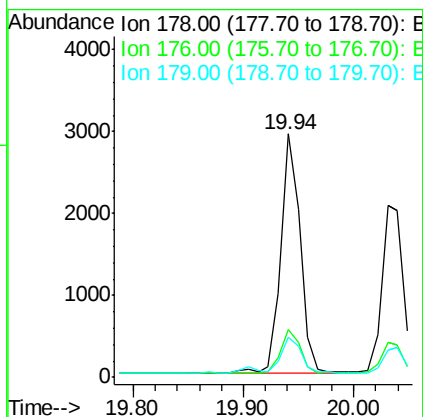
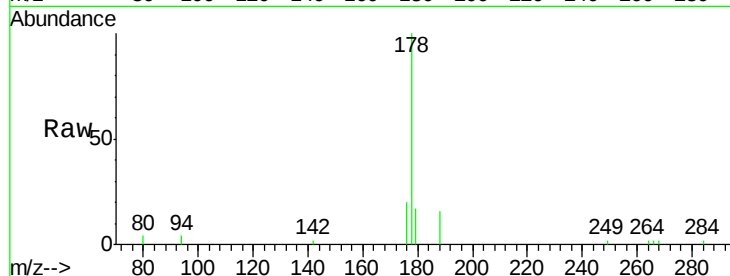




#13
Phenanthrene
Concen: 0.11 ng
RT: 19.94 min Scan# 3420
Delta R.T. -0.00 min
Lab File: BE089507.D
Acq: 5 Feb 2015 16:02

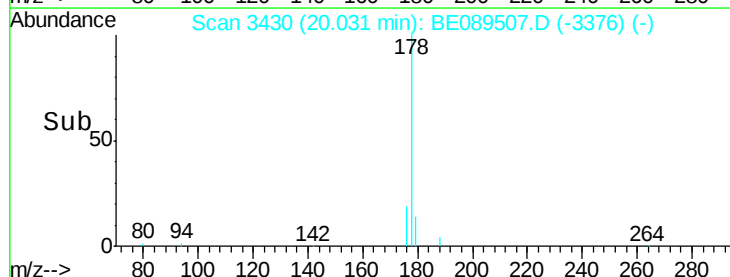
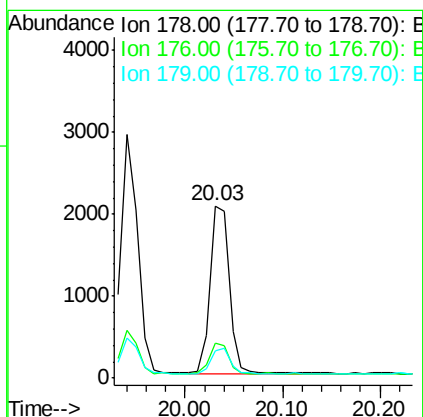
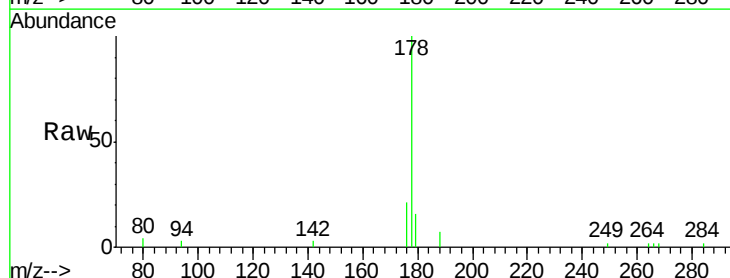
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

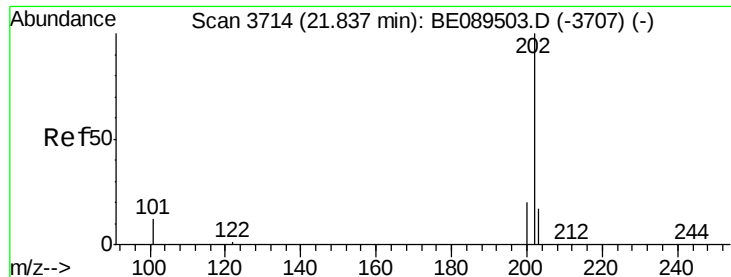
Tgt Ion:178 Resp: 3577
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.5 12.4 18.6



#14
Anthracene
Concen: 0.10 ng
RT: 20.03 min Scan# 3430
Delta R.T. -0.01 min
Lab File: BE089507.D
Acq: 5 Feb 2015 16:02

Tgt Ion:178 Resp: 2825
Ion Ratio Lower Upper
178 100
176 19.2 14.6 22.0
179 15.3 12.1 18.1

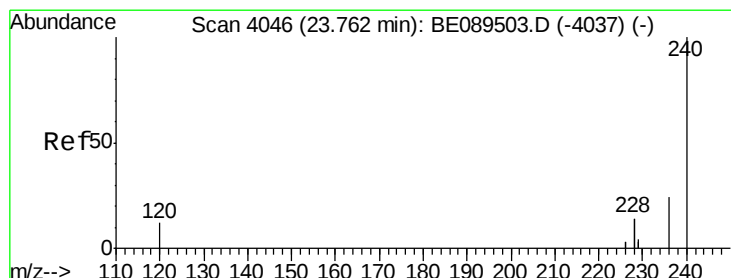
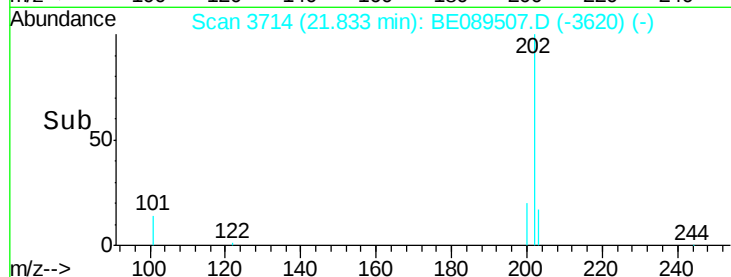
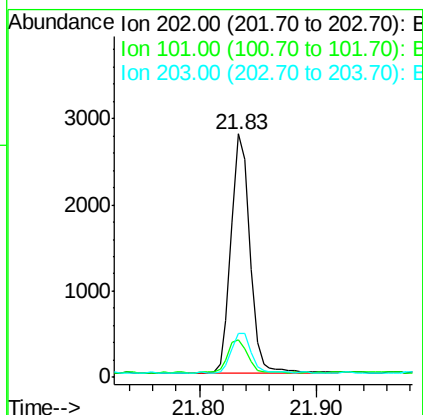
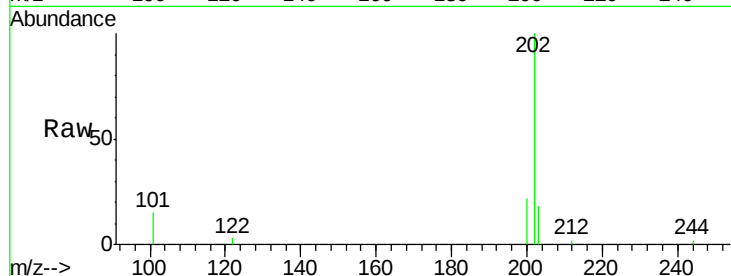




#15
 Fluoranthene
 Concen: 0.10 ng
 RT: 21.83 min Scan# 3714
 Delta R.T. -0.00 min
 Lab File: BE089507.D
 Acq: 5 Feb 2015 16:02

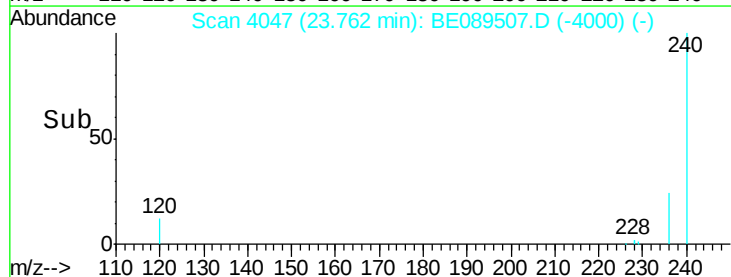
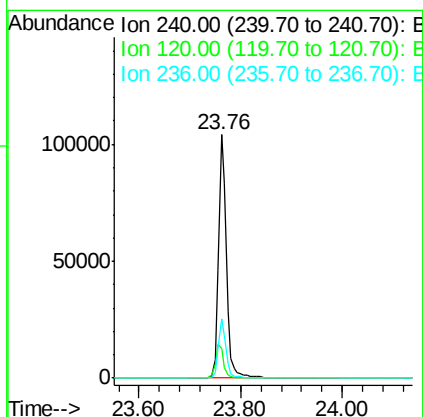
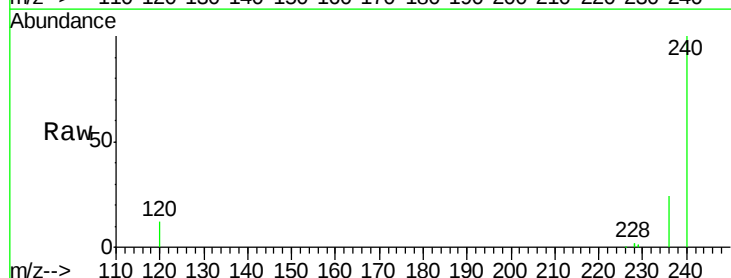
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

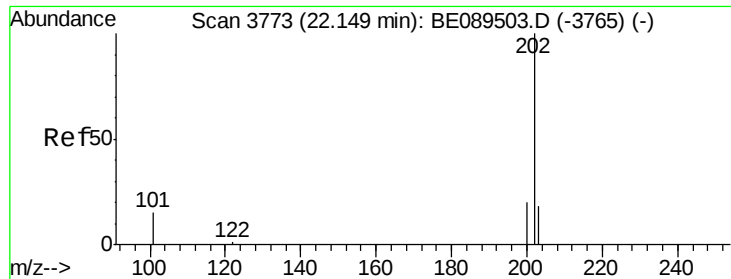
Tgt Ion:202 Resp: 3086
 Ion Ratio Lower Upper
 202 100
 101 14.2 11.3 16.9
 203 17.1 13.8 20.6



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 4047
 Delta R.T. -0.00 min
 Lab File: BE089507.D
 Acq: 5 Feb 2015 16:02

Tgt Ion:240 Resp: 113206
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.6 14.4
 236 24.4 19.4 29.2

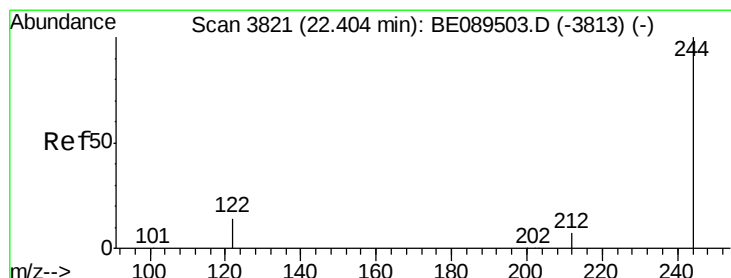
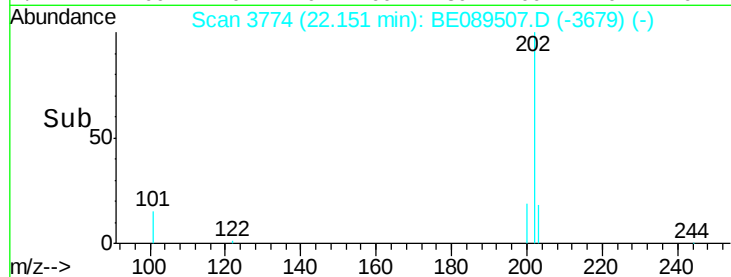
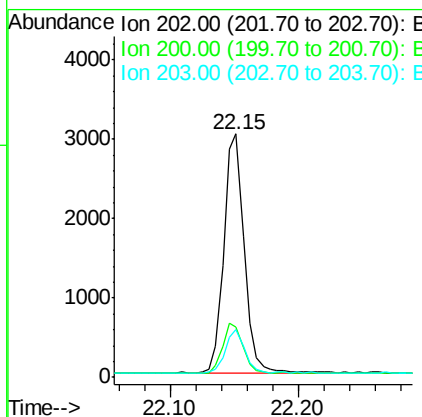
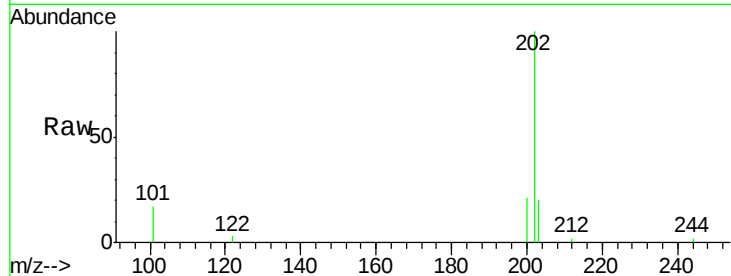




#17
 Pyrene
 Concen: 0.10 ng
 RT: 22.15 min Scan# 3774
 Delta R.T. 0.00 min
 Lab File: BE089507.D
 Acq: 5 Feb 2015 16:02

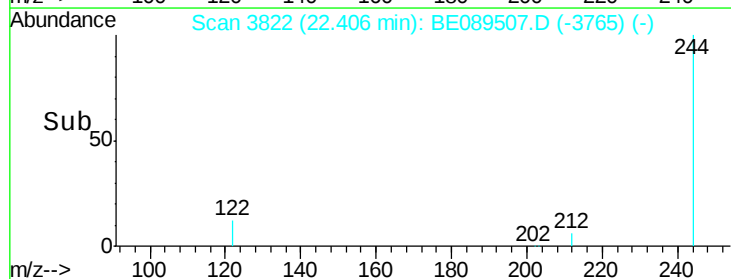
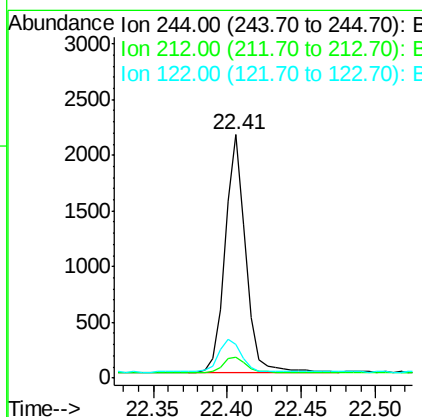
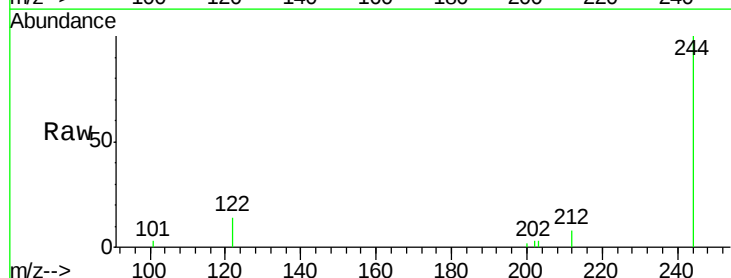
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

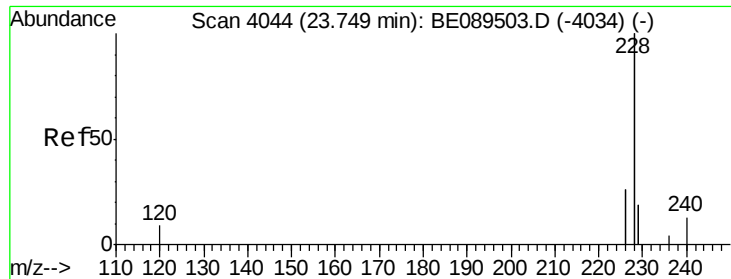
Tgt Ion: 202 Resp: 3309
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.5 24.7
 203 17.8 14.0 21.0



#18
 Terphenyl-d14
 Concen: 0.11 ng
 RT: 22.41 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: BE089507.D
 Acq: 5 Feb 2015 16:02

Tgt Ion: 244 Resp: 2077
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.5 8.3#
 122 14.0 11.1 16.7





#19

Benzo(a)anthracene

Concen: 0.11 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

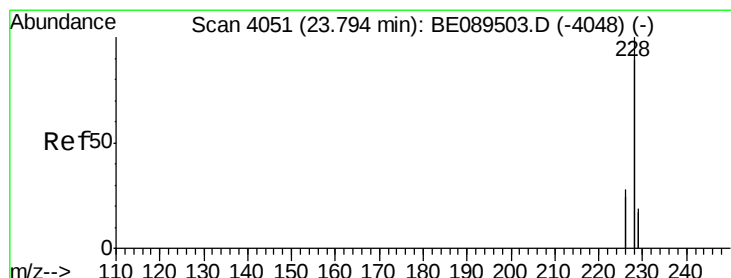
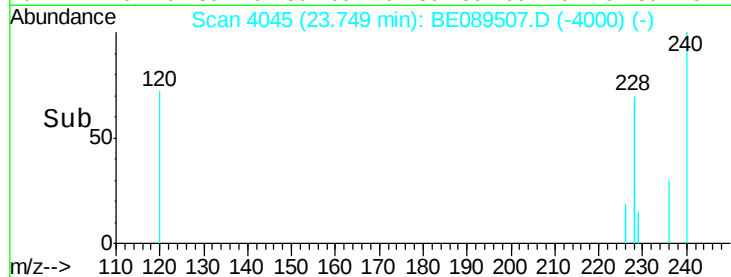
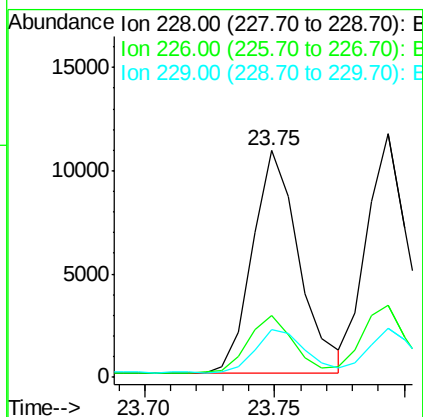
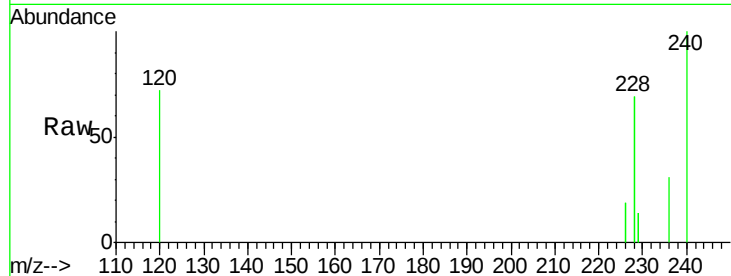
Tgt Ion:228 Resp: 13390

Ion Ratio Lower Upper

228 100

226 27.5 21.0 31.6

229 20.8 15.5 23.3



#20

Chrysene

Concen: 0.11 ng

RT: 23.79 min Scan# 4052

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

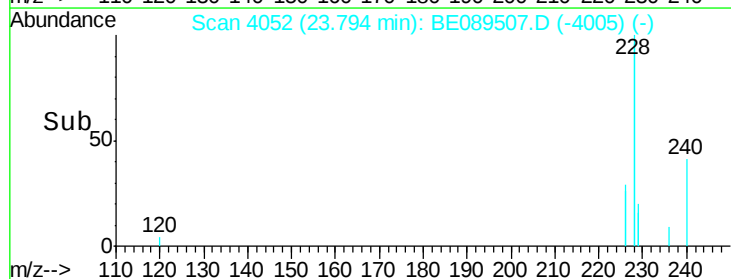
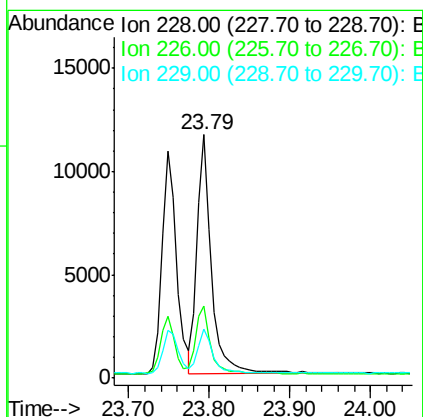
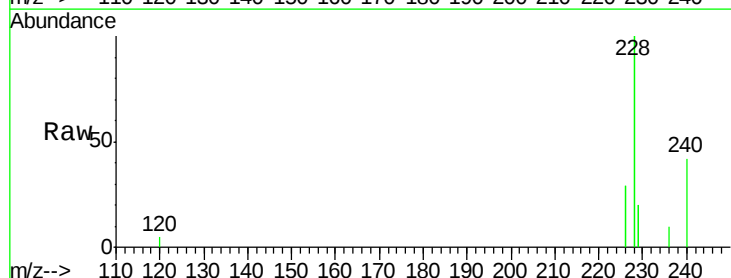
Tgt Ion:228 Resp: 14372

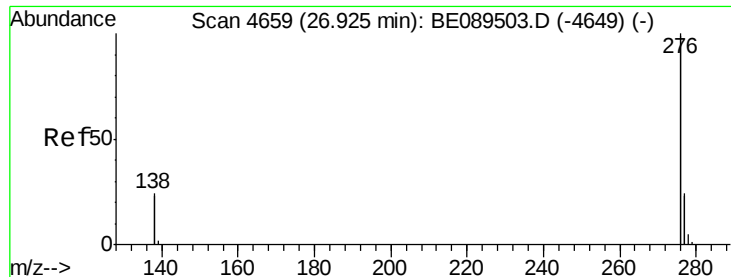
Ion Ratio Lower Upper

228 100

226 29.4 22.3 33.5

229 20.0 15.4 23.0

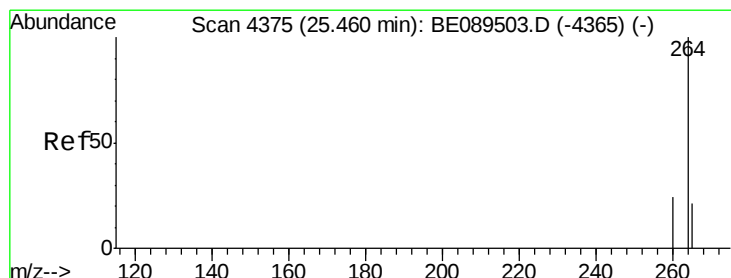
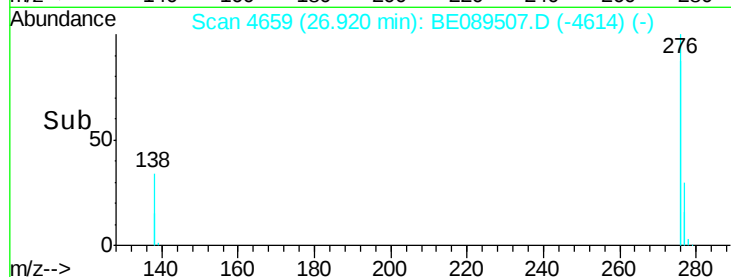
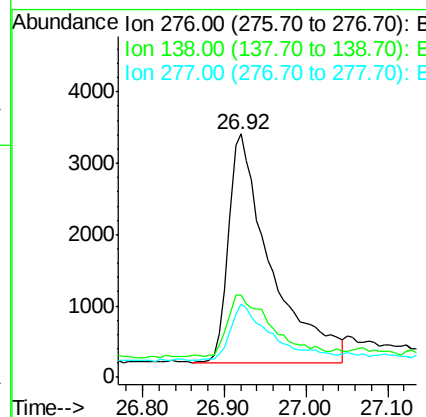
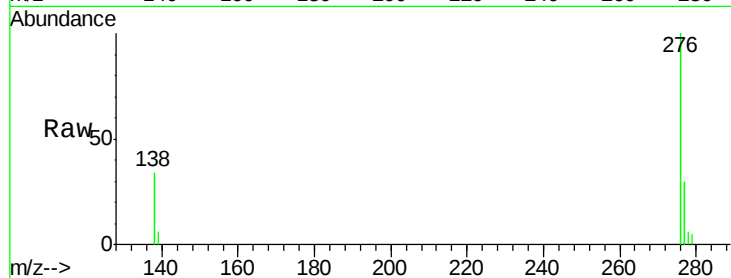




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.09 ng
 RT: 26.92 min Scan# 4659
 Delta R.T. -0.01 min
 Lab File: BE089507.D
 Acq: 5 Feb 2015 16:02

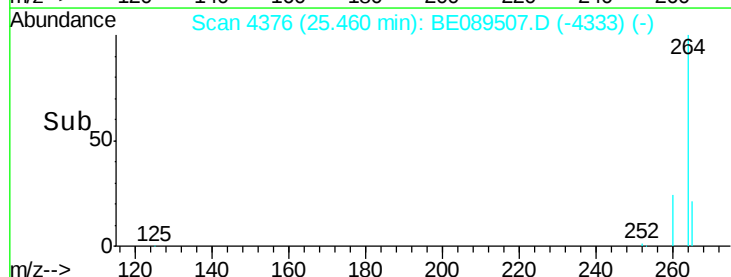
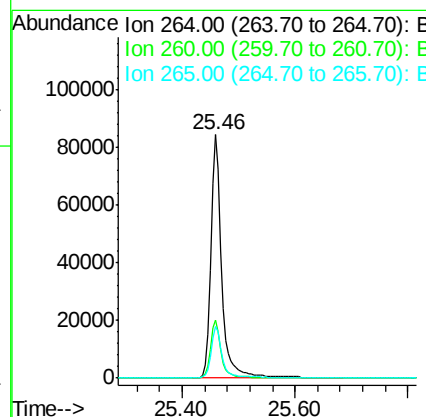
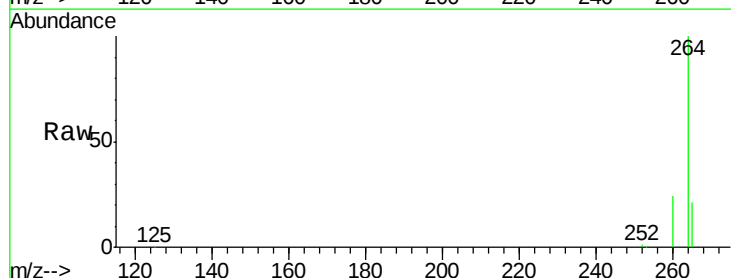
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

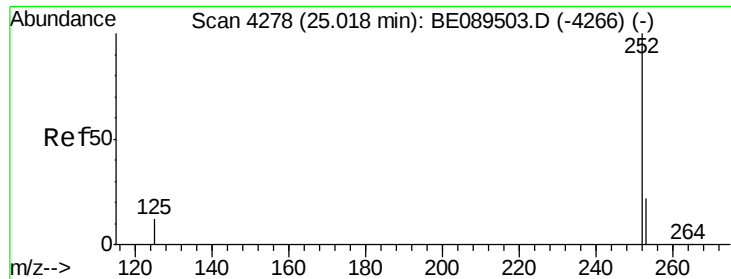
Tgt Ion: 276 Resp: 11345
 Ion Ratio Lower Upper
 276 100
 138 28.8 23.2 34.8
 277 24.9 19.8 29.6



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.46 min Scan# 4376
 Delta R.T. -0.00 min
 Lab File: BE089507.D
 Acq: 5 Feb 2015 16:02

Tgt Ion: 264 Resp: 112200
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 21.2 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.09 ng

RT: 25.02 min Scan# 4279

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

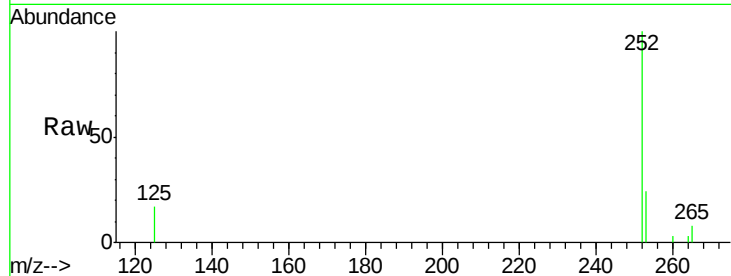
Tgt Ion:252 Resp: 2369

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

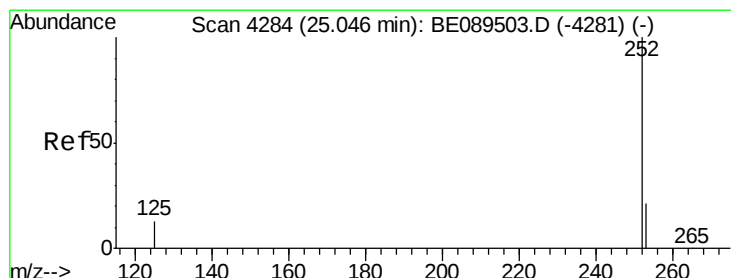
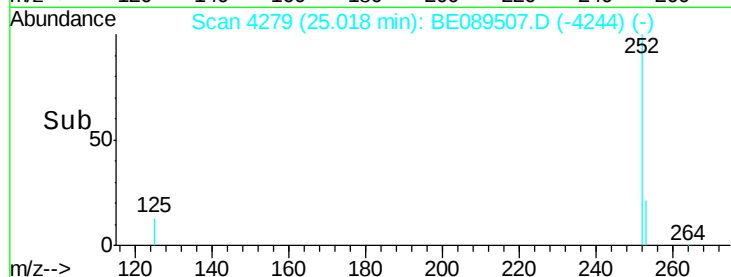
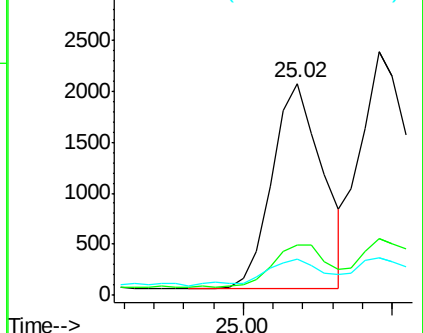
125 17.3 9.6 14.4#



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: 0.10 ng

RT: 25.05 min Scan# 4285

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

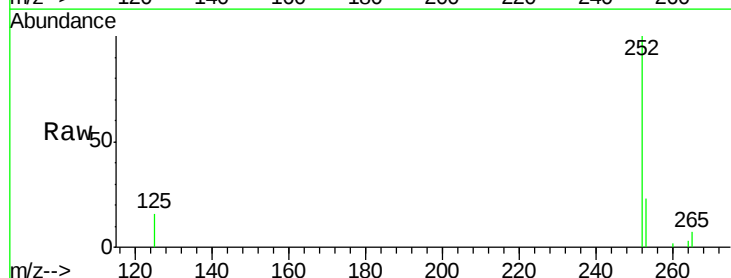
Tgt Ion:252 Resp: 3630

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

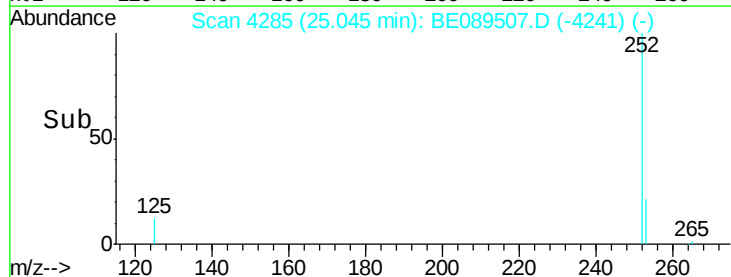
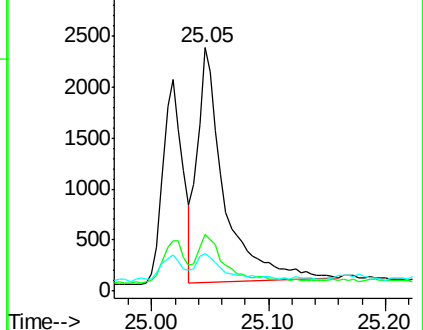
125 15.7 10.2 15.4#

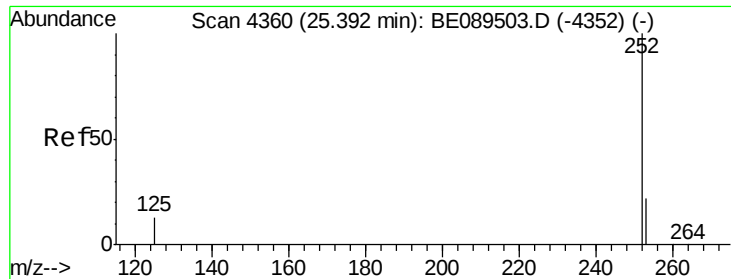


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.09 ng

RT: 25.39 min Scan# 4361

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

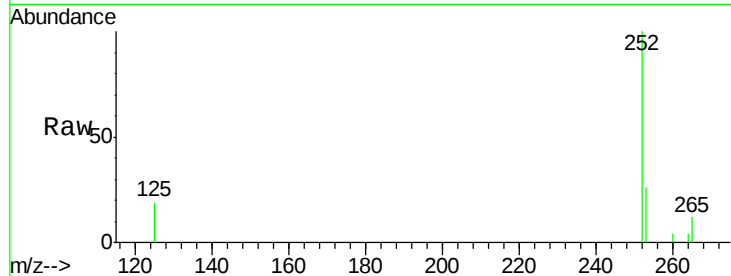
Tgt Ion:252 Resp: 2440

Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.6

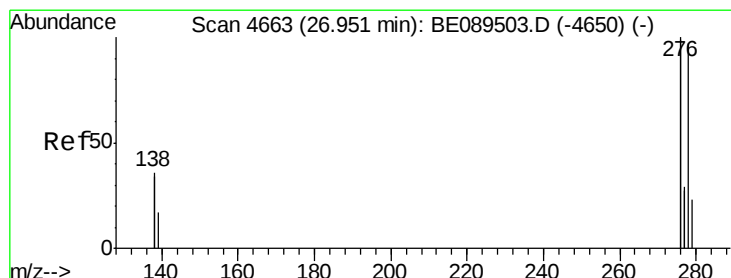
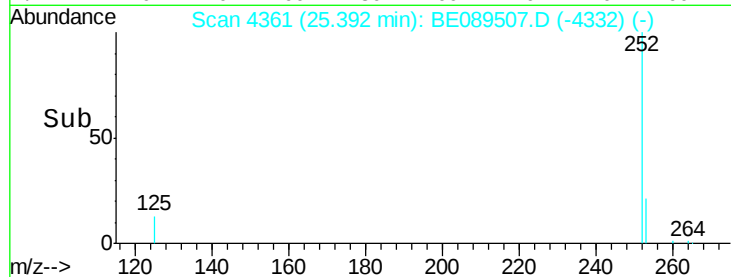
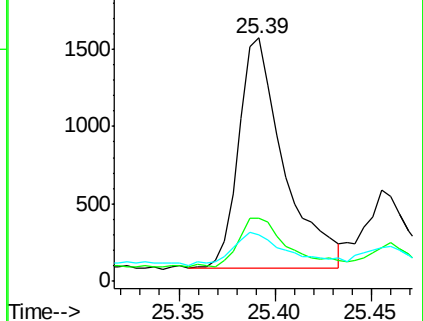
125 19.3 10.7 16.1#



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: 26.95 min Scan# 4664

Delta R.T. 0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

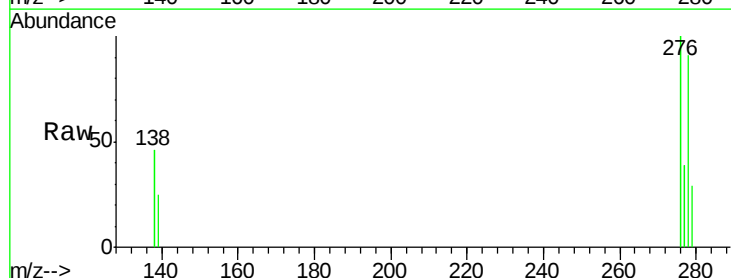
Tgt Ion:278 Resp: 2157

Ion Ratio Lower Upper

278 100

139 26.9 14.6 22.0#

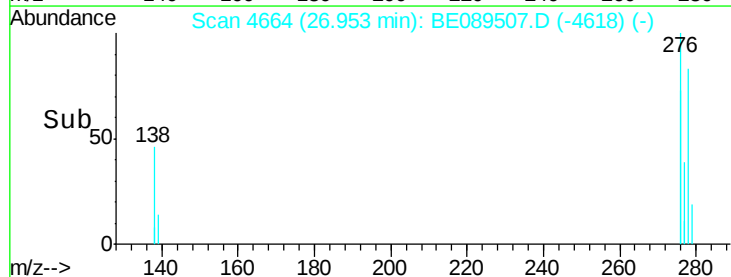
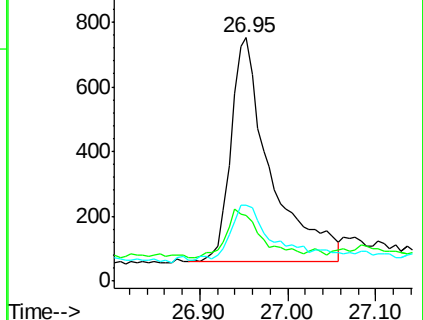
279 31.4 19.0 28.4#

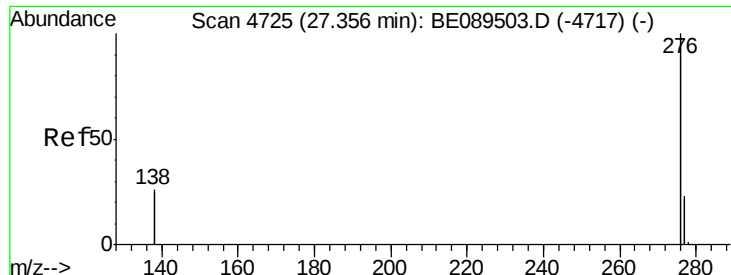


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.10 ng

RT: 27.36 min Scan# 4726

Delta R.T. 0.00 min

Lab File: BE089507.D

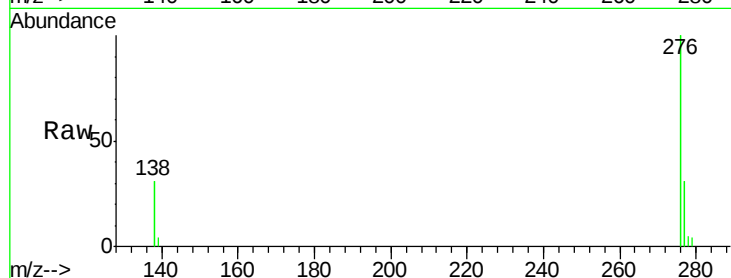
Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1



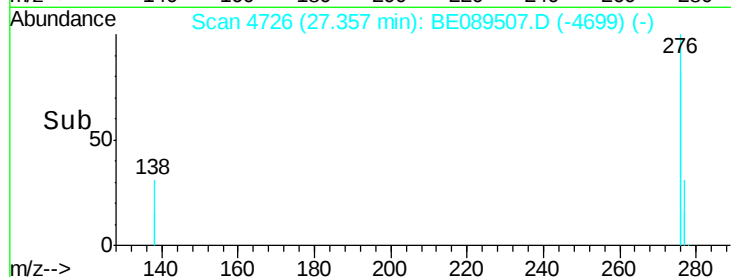
Tgt Ion: 276 Resp: 11172

Ion Ratio Lower Upper

276 100

277 30.6 18.6 28.0#

138 30.8 20.8 31.2



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

