

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 03:19:26 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

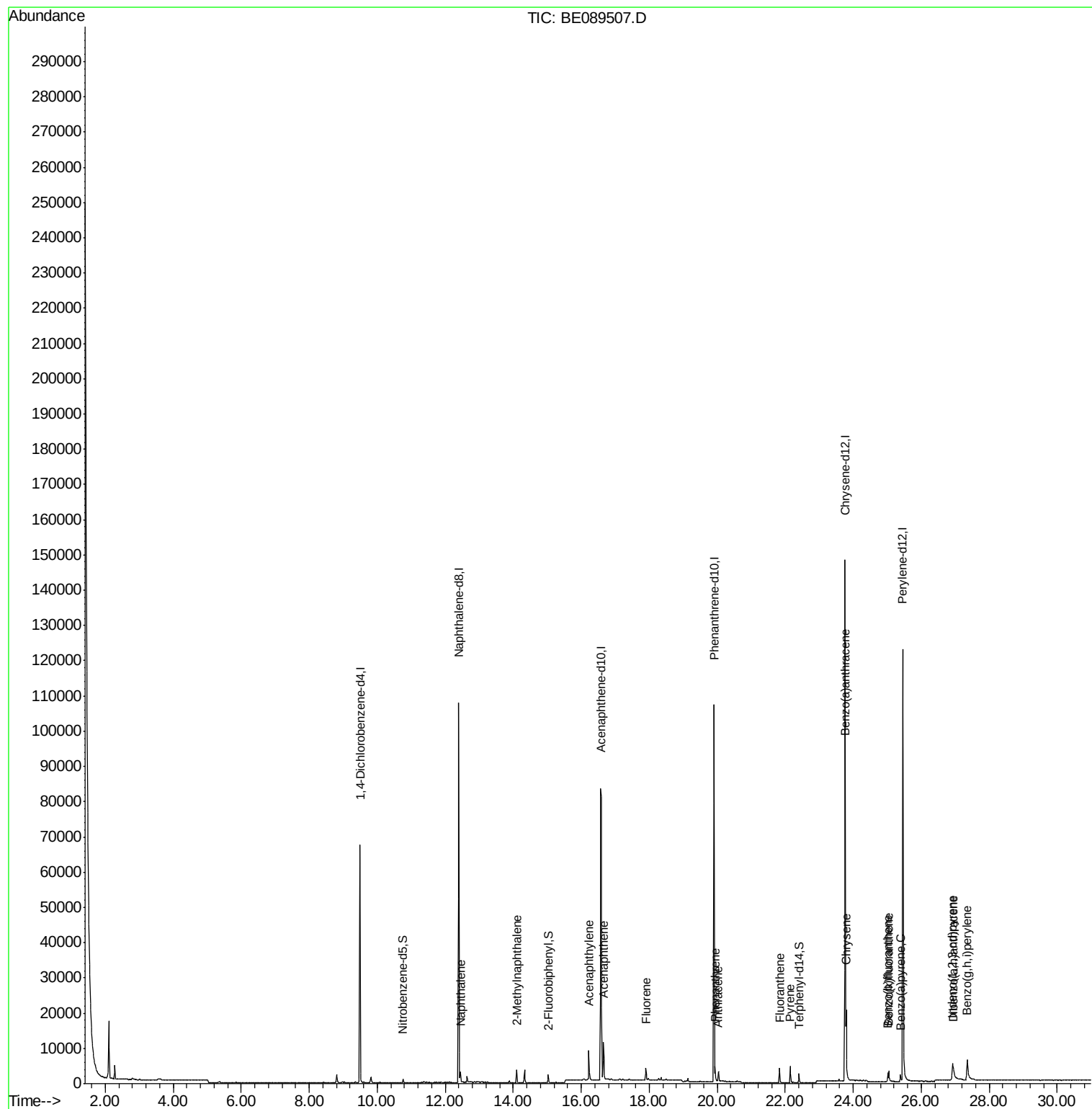
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	27461	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	118967	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	54429	5.00	ng	0.00
11) Phenanthrene-d10	19.90	188	105167	5.00	ng	0.00
16) Chrysene-d12	23.76	240	113206	5.00	ng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

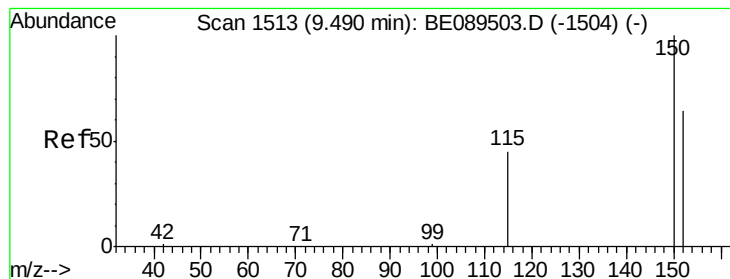
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

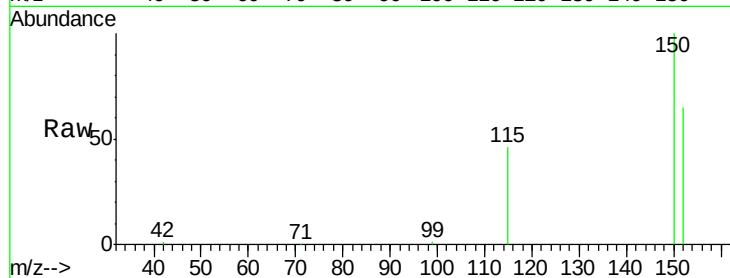
Tot Ion:152 Resp: 27461

Ion Ratio Lower Upper

152 100

150 154.1 125.0 187.6

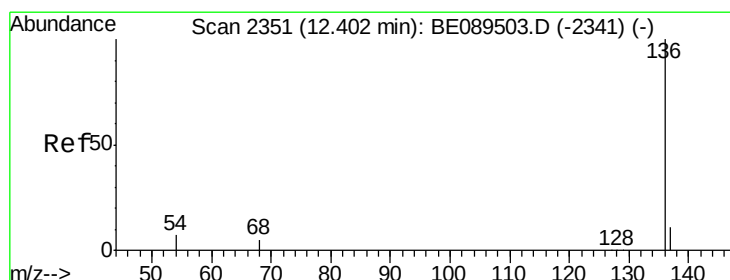
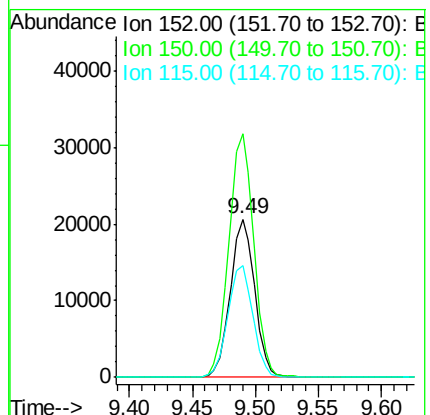
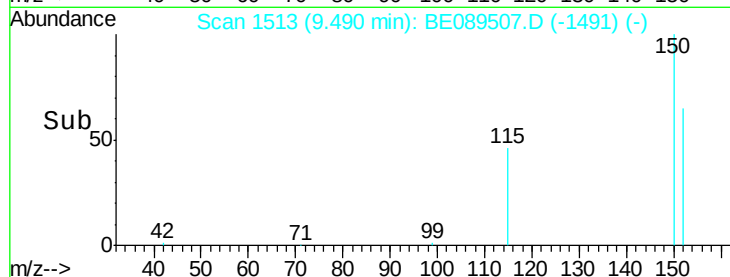
115 70.6 56.6 85.0



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

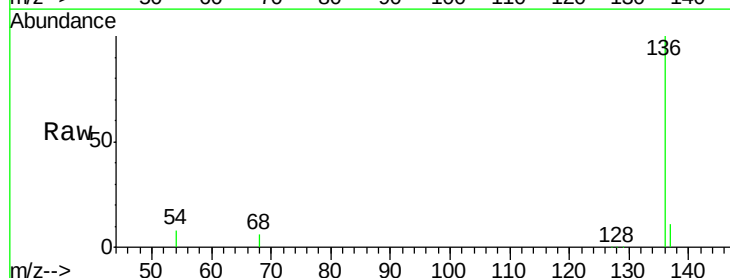
Tgt Ion:136 Resp: 118967

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

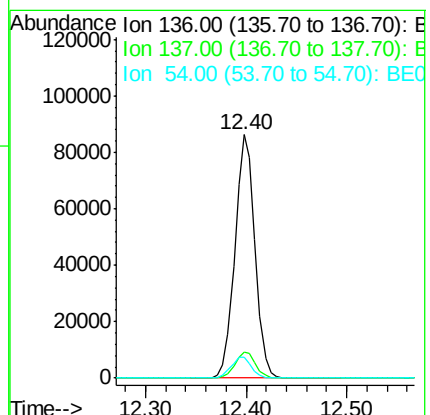
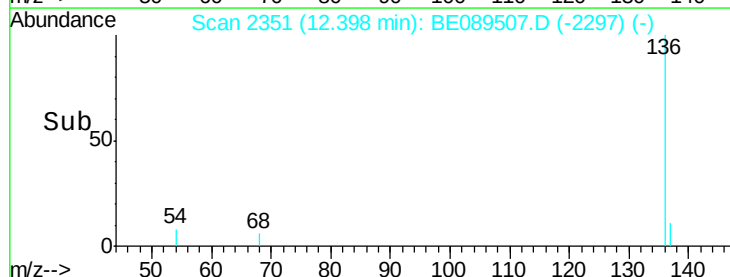
54 8.4 6.0 9.0

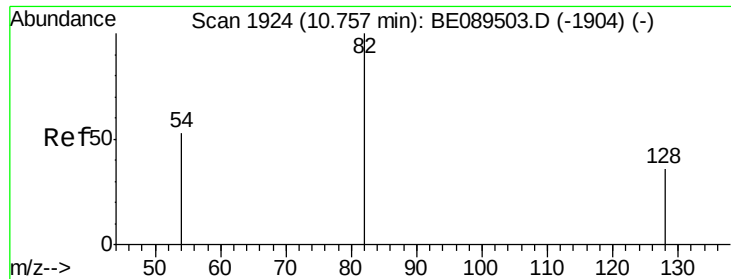


Abundance Ion 136.00 (135.70 to 136.70): E

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

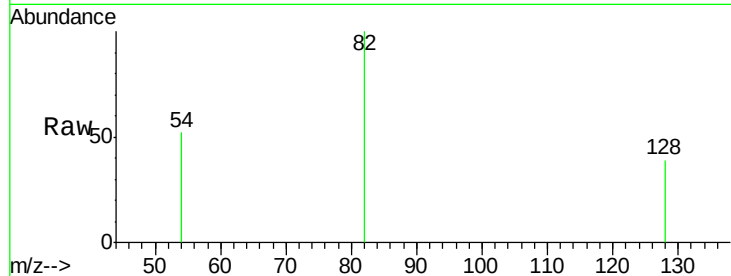
Tot Ion: 82 Resp: 939

Ion Ratio Lower Upper

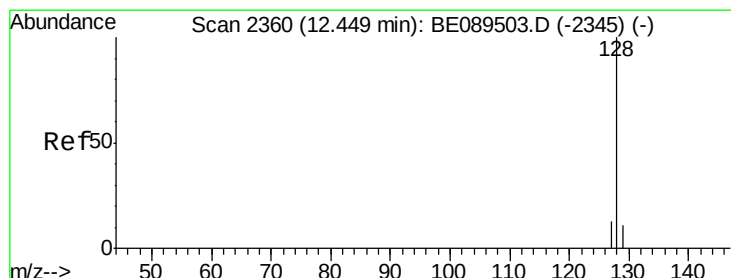
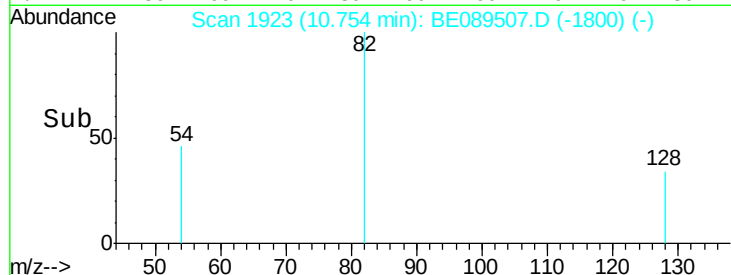
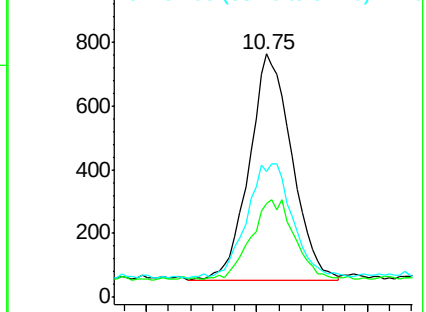
82 100

128 38.8 29.3 43.9

54 51.9 42.6 64.0



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#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

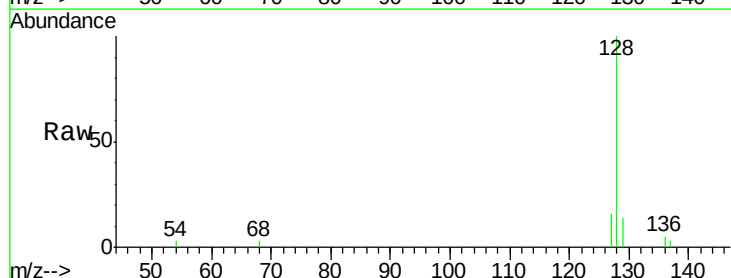
Tgt Ion: 128 Resp: 3382

Ion Ratio Lower Upper

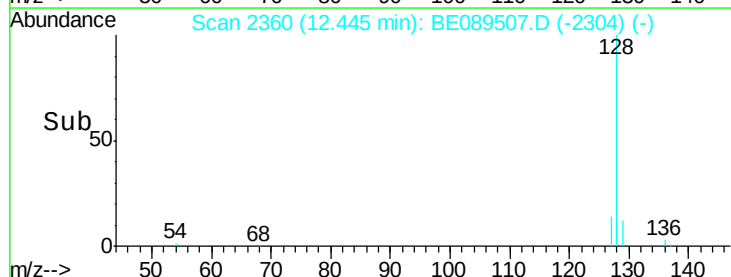
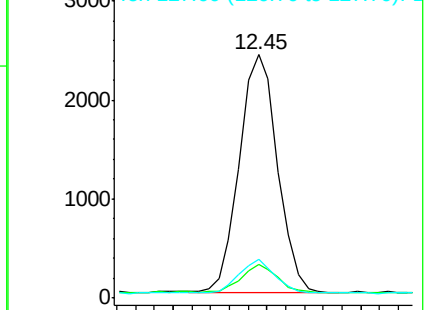
128 100

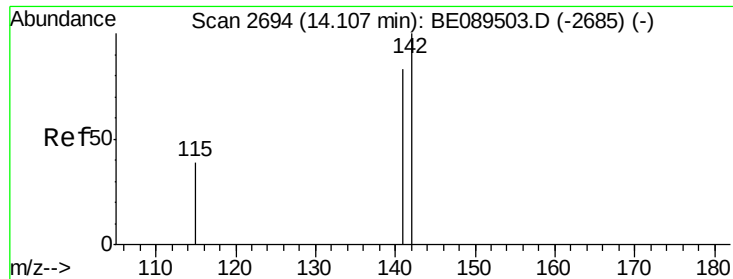
129 14.1 8.8 13.2#

127 15.9 10.3 15.5#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#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

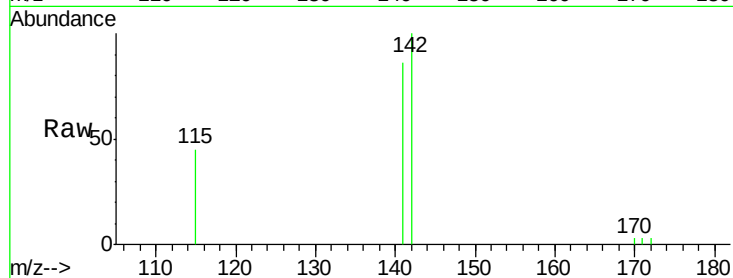
Tot Ion:142 Resp: 2160

Ion Ratio Lower Upper

142 100

141 86.3 66.3 99.5

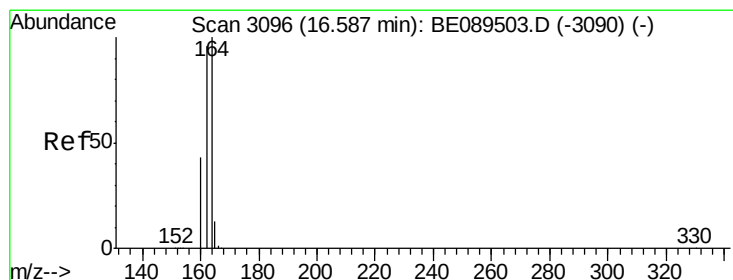
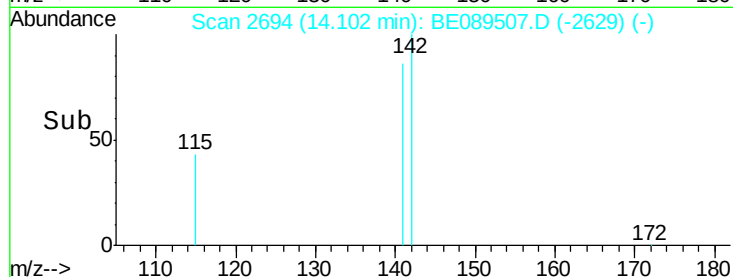
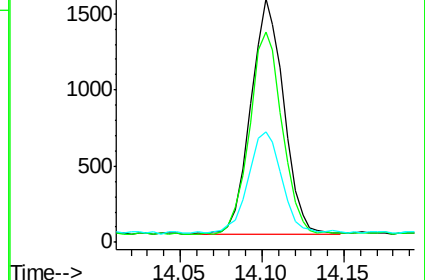
115 45.4 31.1 46.7



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: 16.59 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

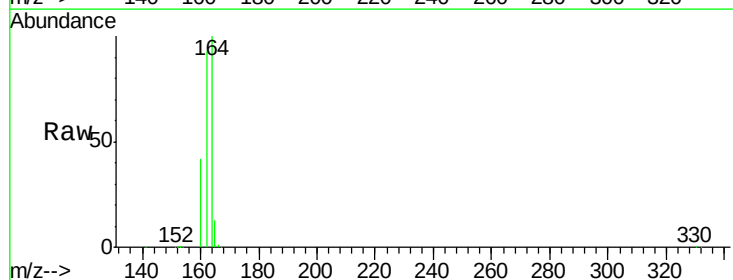
Tgt Ion:164 Resp: 54429

Ion Ratio Lower Upper

164 100

162 93.4 76.6 115.0

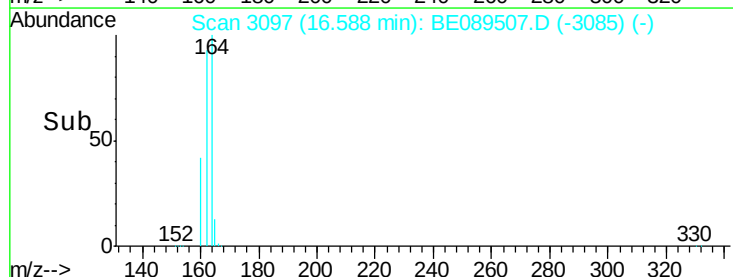
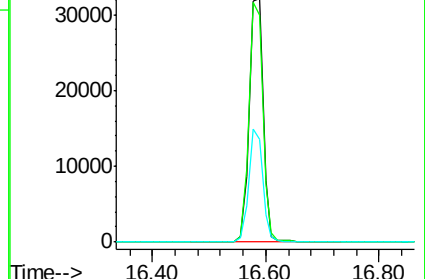
160 42.4 34.6 52.0

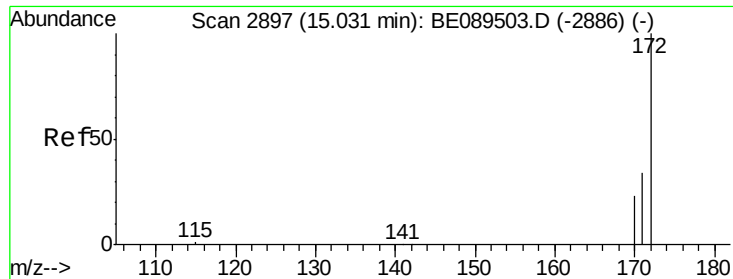


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.11 ng

RT: 15.03 min Scan# 2898

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

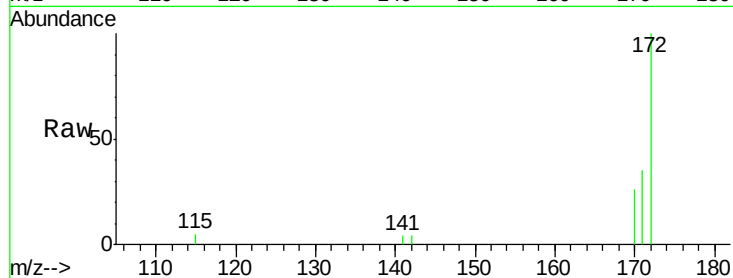
BNA_E

LabSampleId :

SSTDIC0.1

Tot Ion:172 Resp: 1917

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	25.6	18.4	27.6

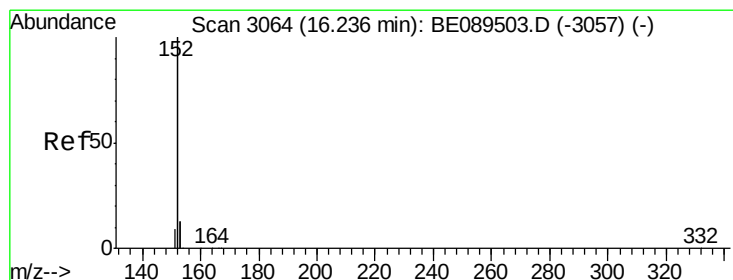
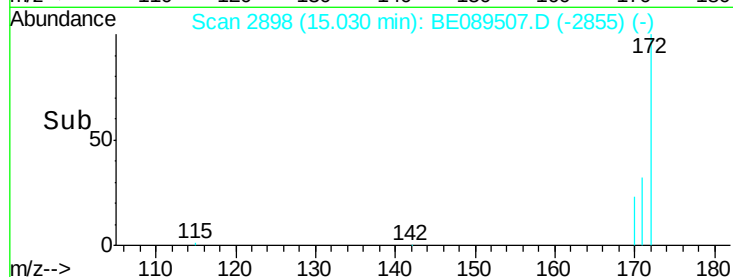
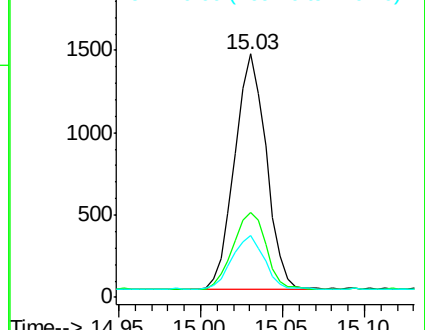


Abundance

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

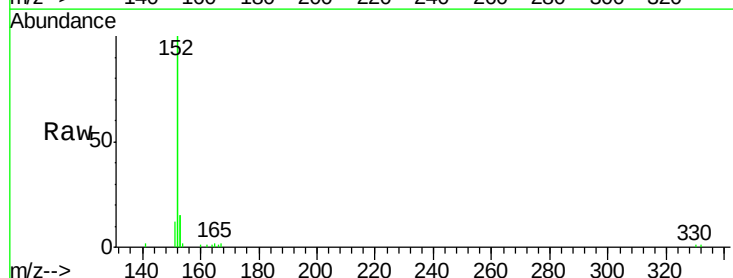
Delta R.T. -0.01 min

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

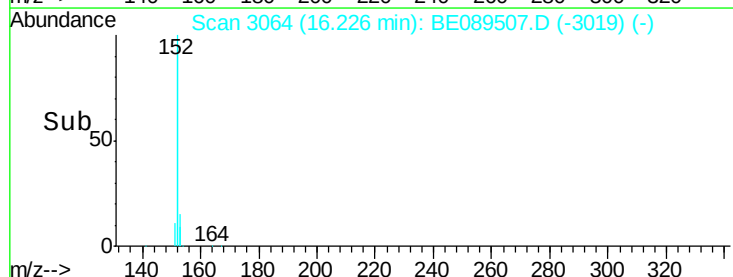
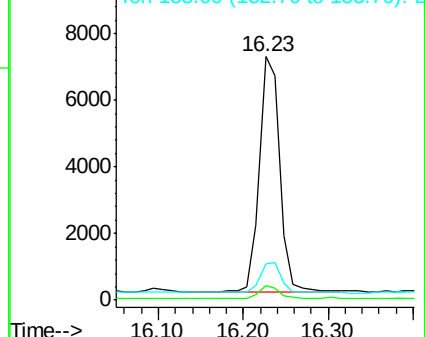


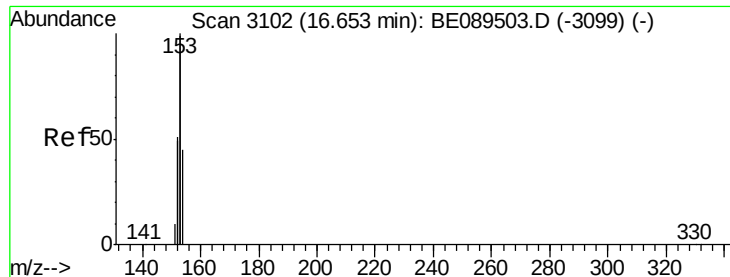
Abundance

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 :

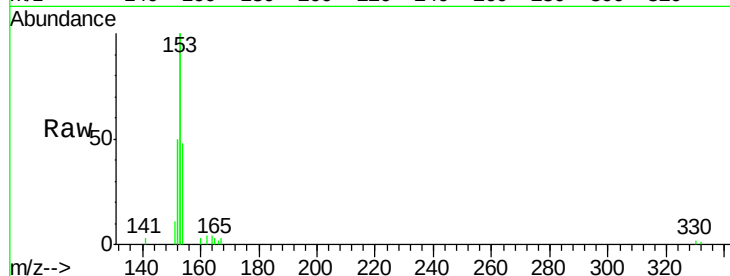
BNA_E

LabSampleId :

SSTDIC0.1

Tot Ion:154 Resp: 2004

Ion	Ratio	Lower	Upper
154	100		
153	445.1	341.5	512.3
152	217.4	166.6	249.8

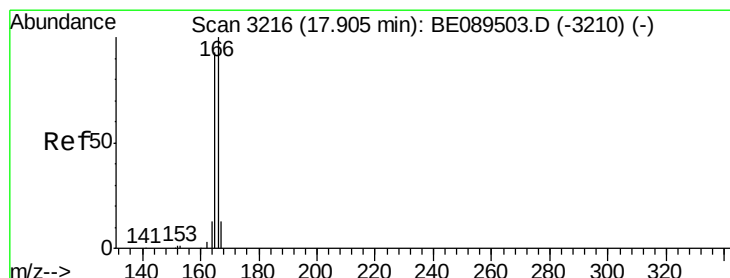
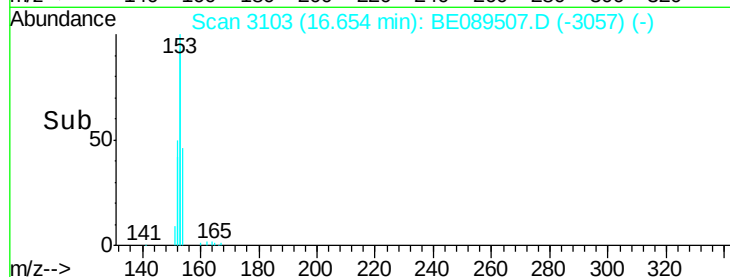
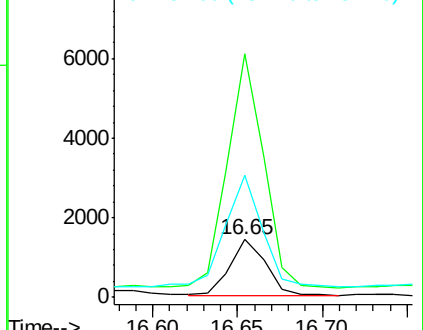


Abundance

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

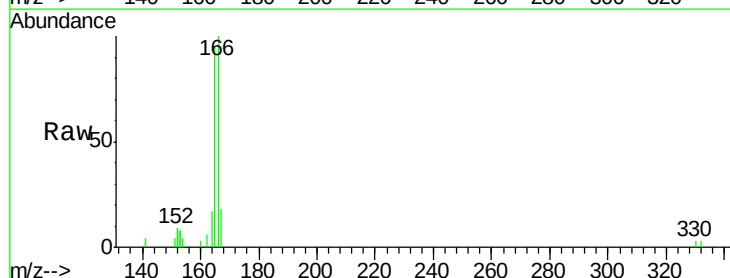
Delta R.T. 0.00 min

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

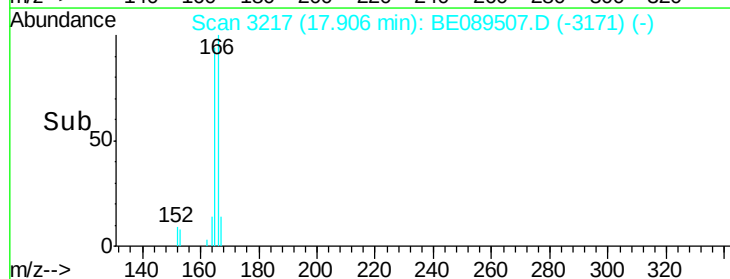
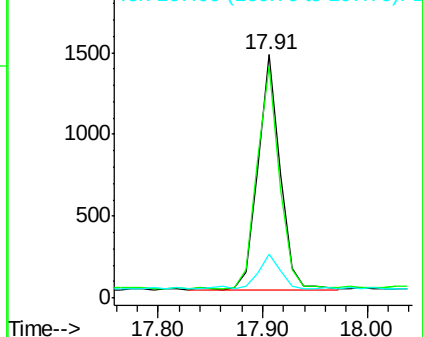


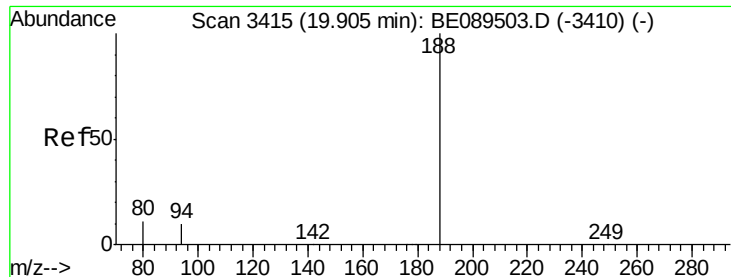
Abundance

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

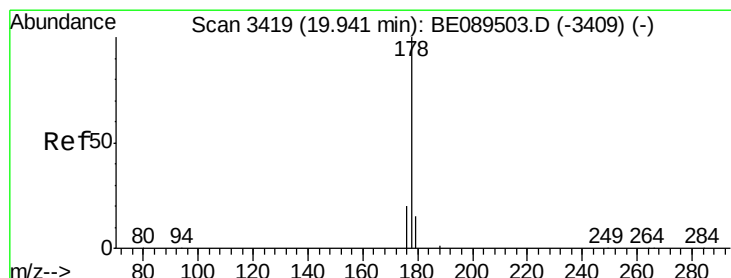
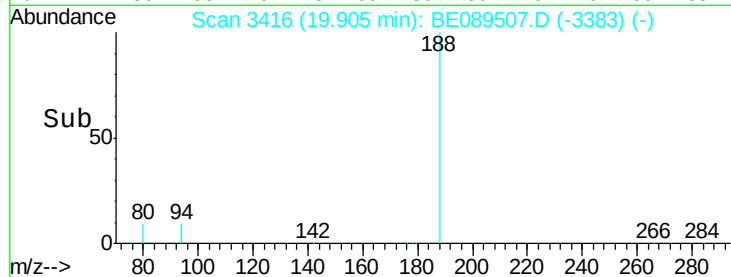
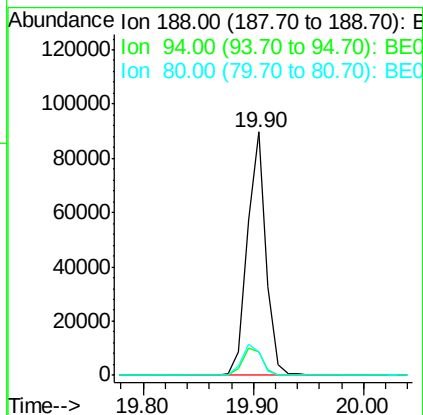
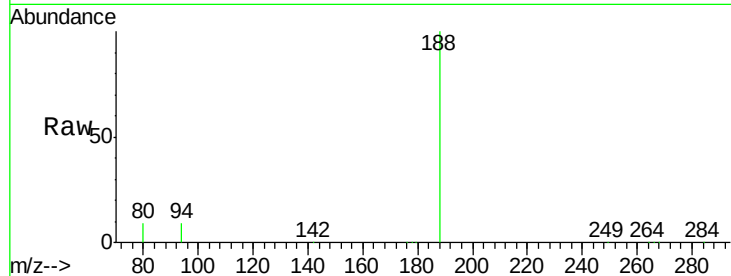




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3416
Delta R.T. -0.00 min
Lab File: BE089507.D
Acq: 5 Feb 2015 16:02

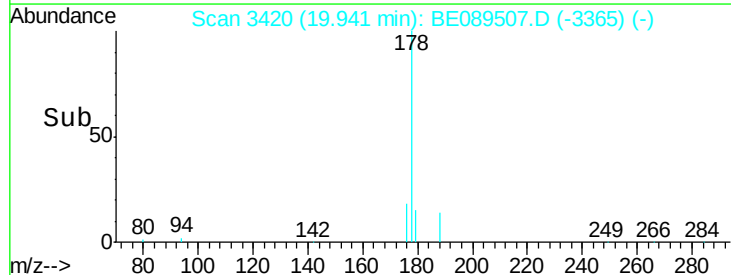
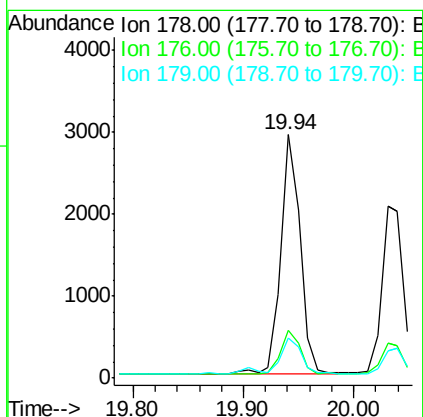
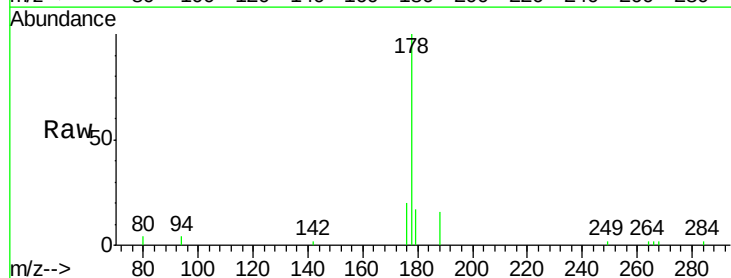
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

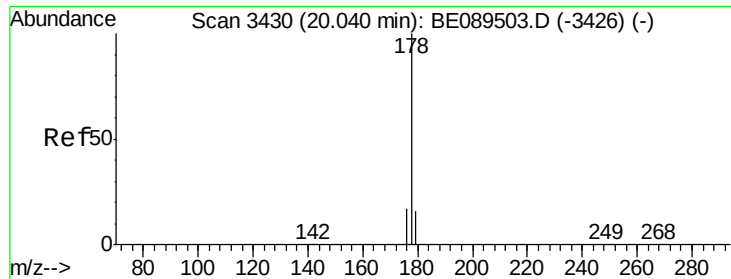
Tot Ion:188 Resp: 105167
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.4
80 9.4 8.7 13.1



#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

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

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

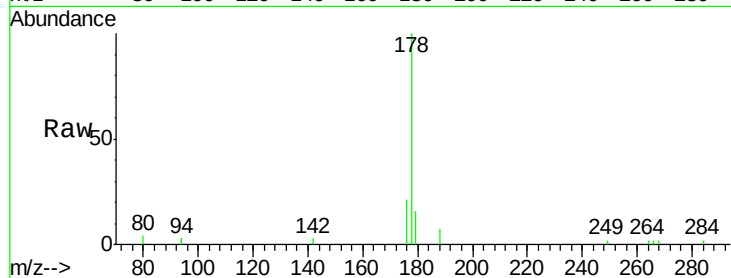
Tot Ion:178 Resp: 2825

Ion Ratio Lower Upper

178 100

176 19.2 14.6 22.0

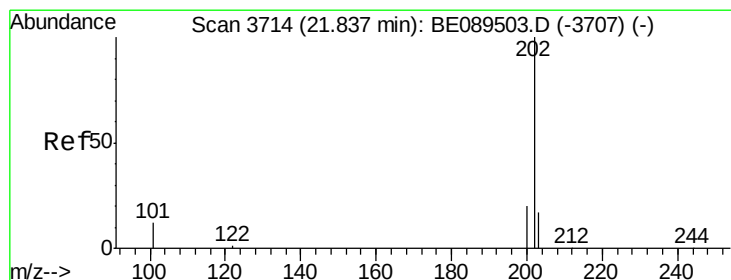
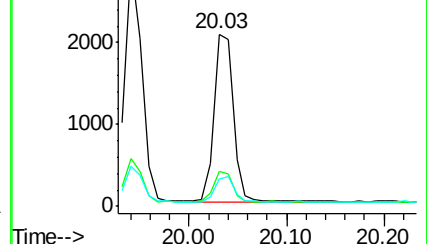
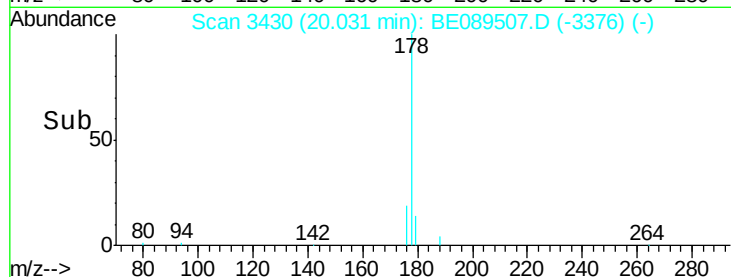
179 15.3 12.1 18.1



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: 0.10 ng

RT: 21.83 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

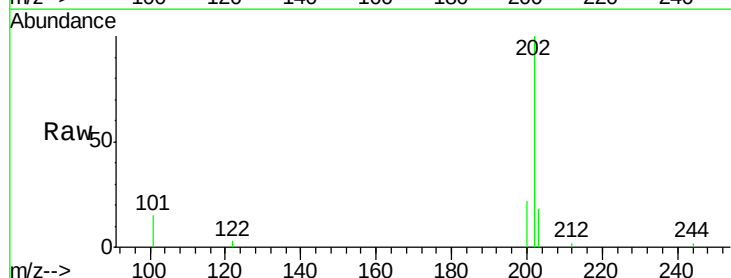
Tgt Ion:202 Resp: 3086

Ion Ratio Lower Upper

202 100

101 14.2 11.3 16.9

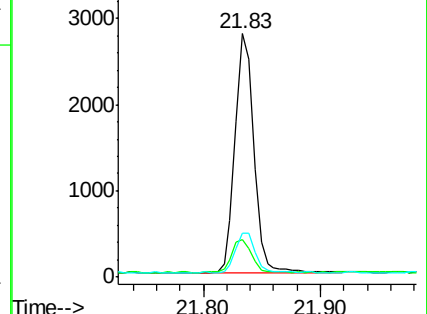
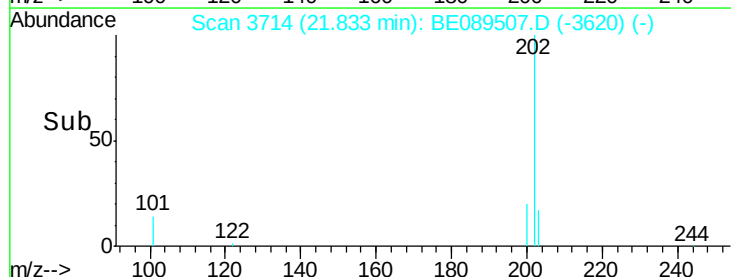
203 17.1 13.8 20.6

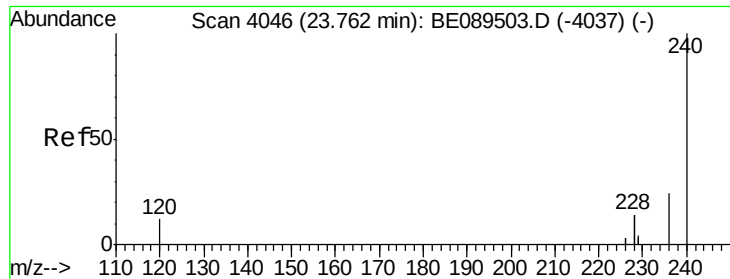


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.76 min Scan# 4047

Delta R.T. -0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

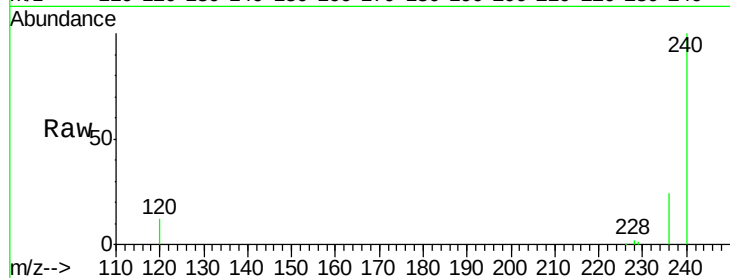
Tot Ion:240 Resp: 113206

Ion Ratio Lower Upper

240 100

120 12.2 9.6 14.4

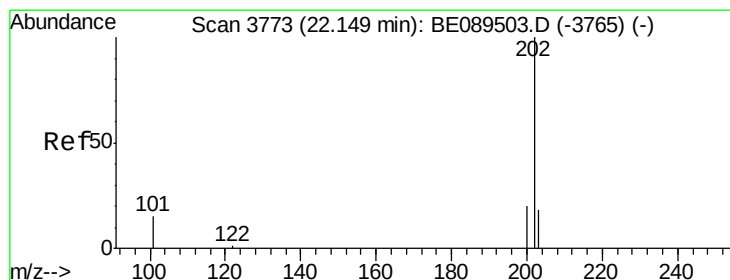
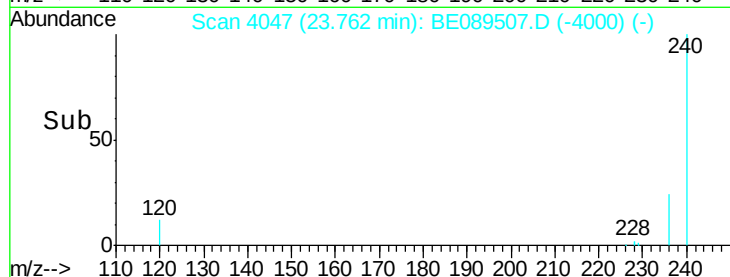
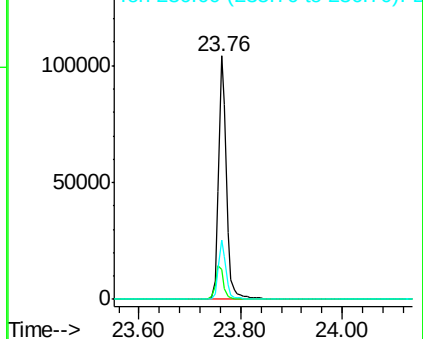
236 24.4 19.4 29.2



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: 0.10 ng

RT: 22.15 min Scan# 3774

Delta R.T. 0.00 min

Lab File: BE089507.D

Acq: 5 Feb 2015 16:02

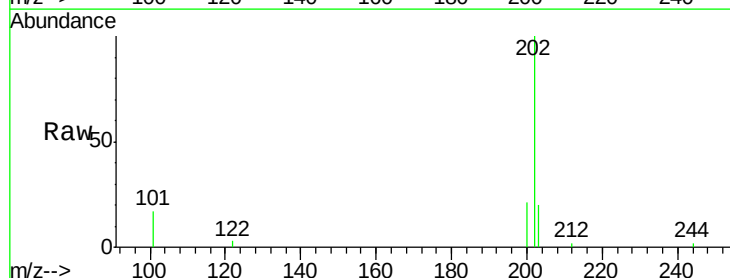
Tgt Ion:202 Resp: 3309

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

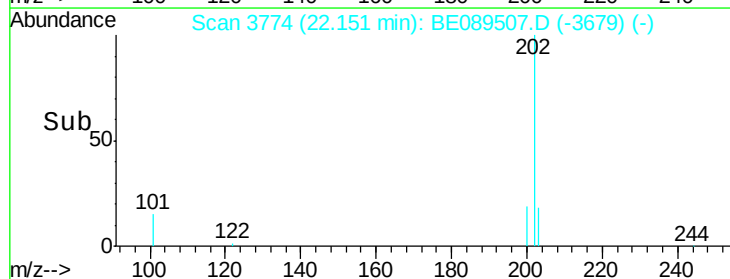
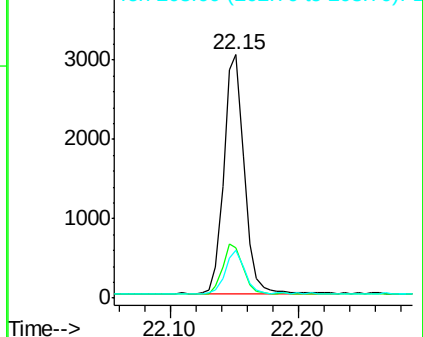
203 17.8 14.0 21.0

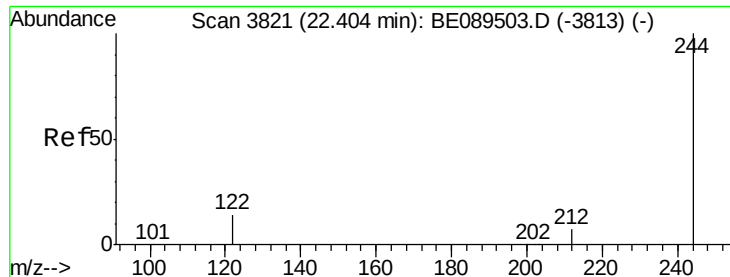


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

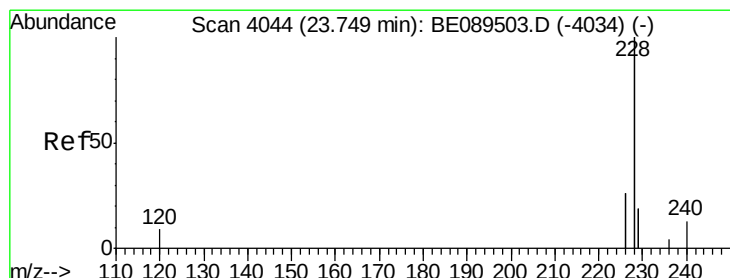
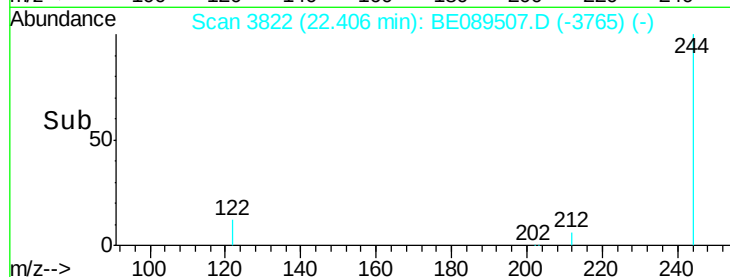
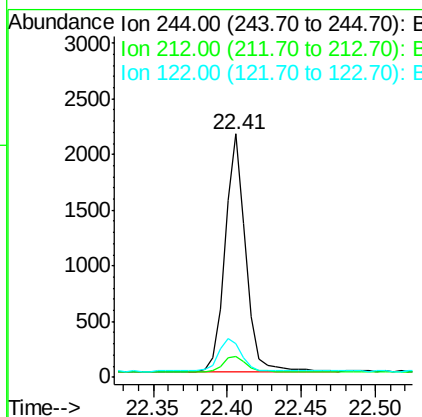
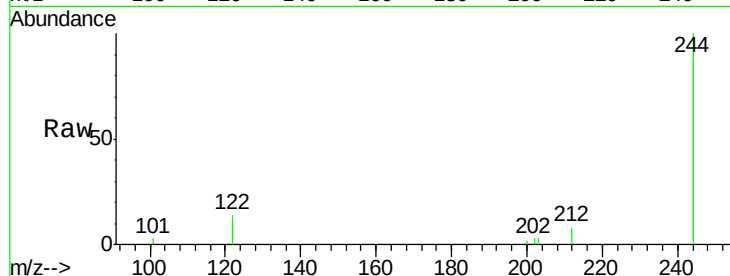




#18
 Terphenyl-d14
 Concen: 0.11 ng
 RT: 22.41 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: BE089507.D
 Acq: 5 Feb 2015 16:02

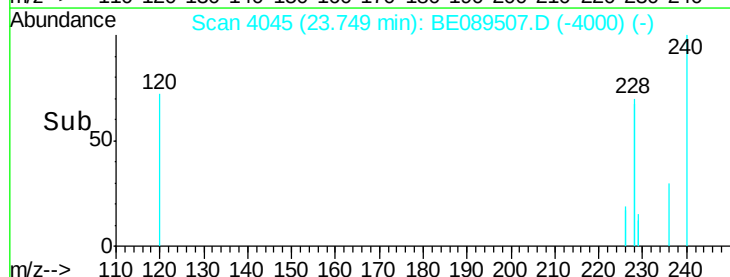
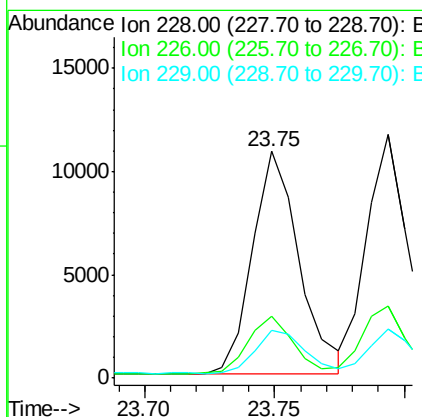
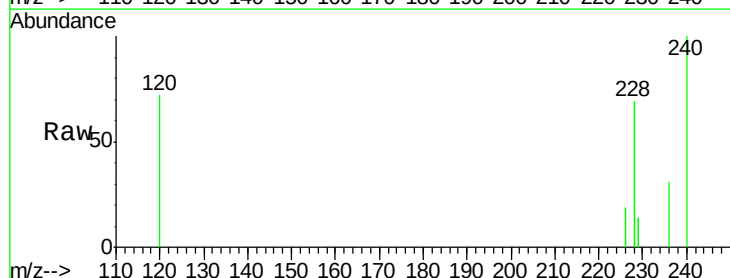
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

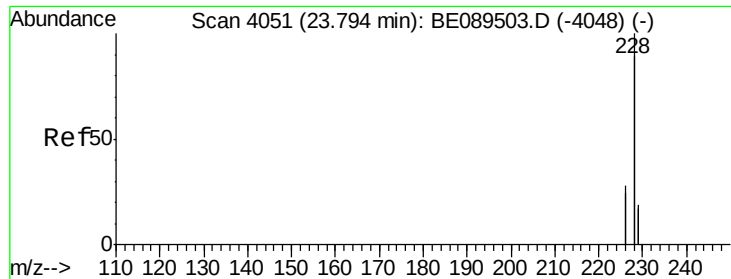
Tot Ion:244 Resp: 2077
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.5 8.3#
 122 14.0 11.1 16.7



#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

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

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

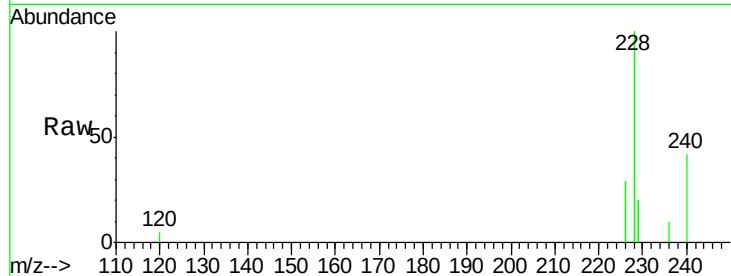
Tot Ion:228 Resp: 14372

Ion Ratio Lower Upper

228 100

226 29.4 22.3 33.5

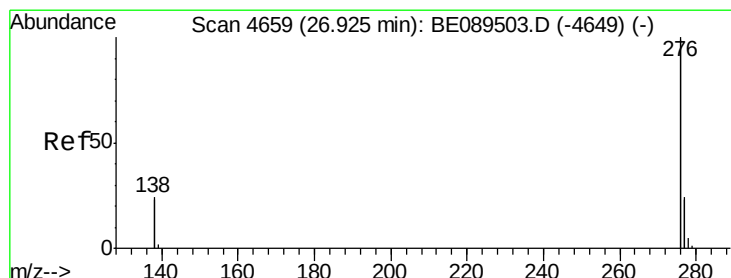
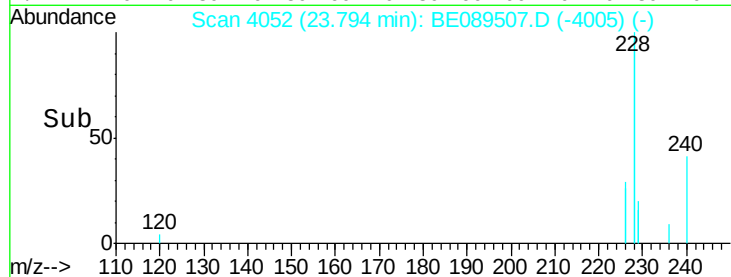
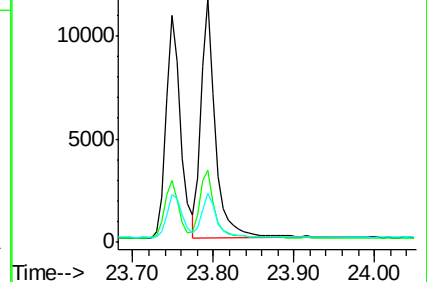
229 20.0 15.4 23.0



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



#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

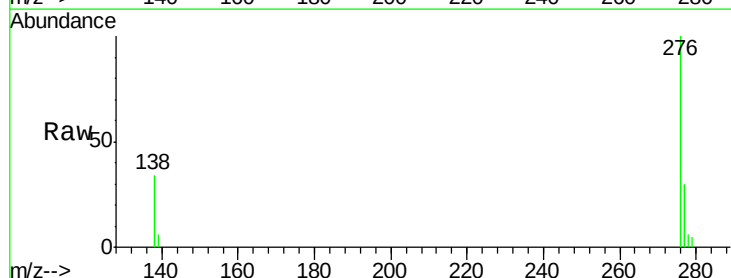
Tgt Ion:276 Resp: 11345

Ion Ratio Lower Upper

276 100

138 28.8 23.2 34.8

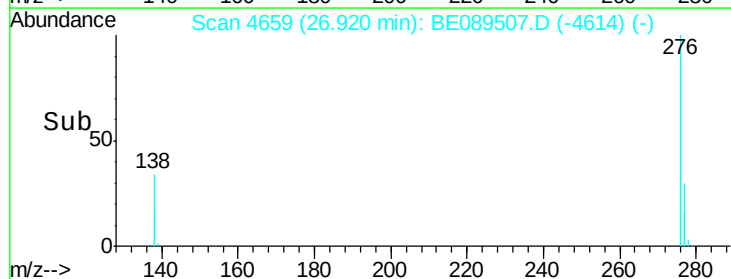
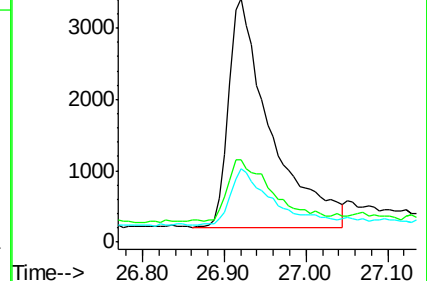
277 24.9 19.8 29.6

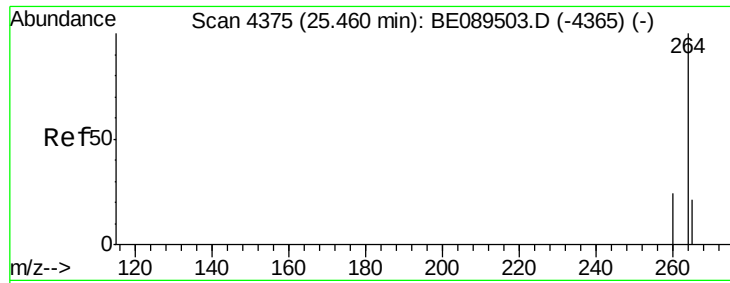


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



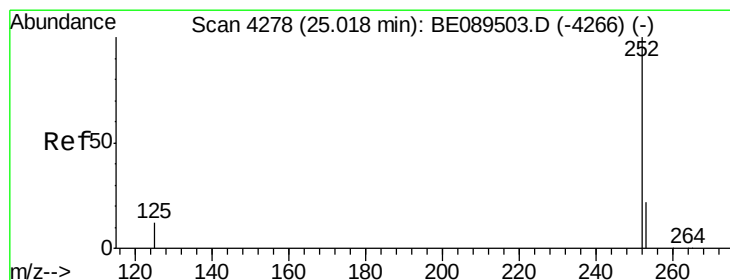
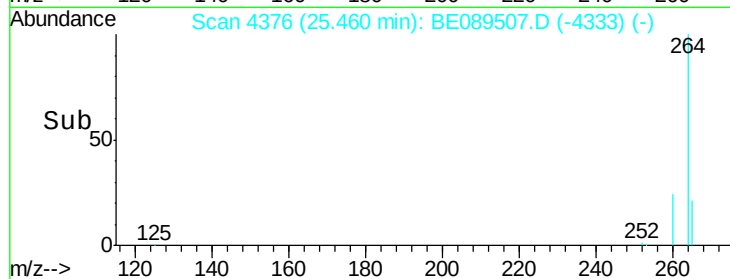
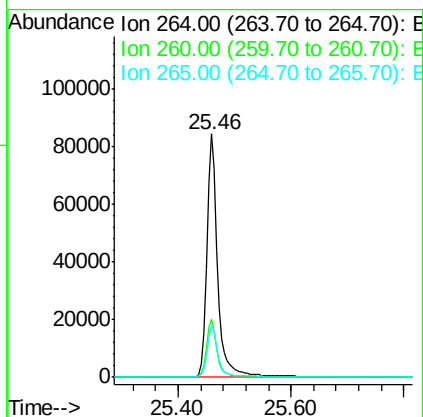
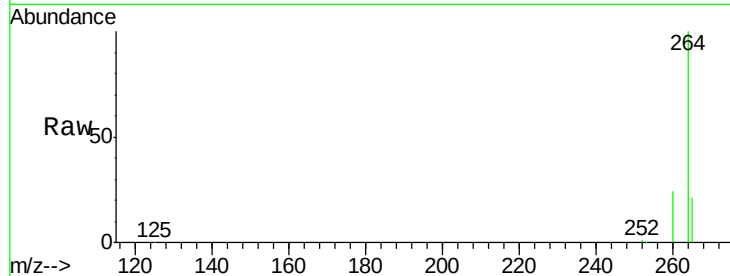


#22
Pervlene-d12
Concen: 5.00 ng
RT: 25.46 min Scan# 4376
Delta R.T. -0.00 min
Lab File: BE089507.D
Acq: 5 Feb 2015 16:02

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tot Ion:264 Resp: 112200

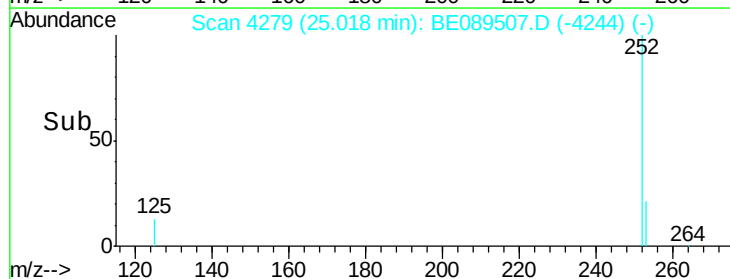
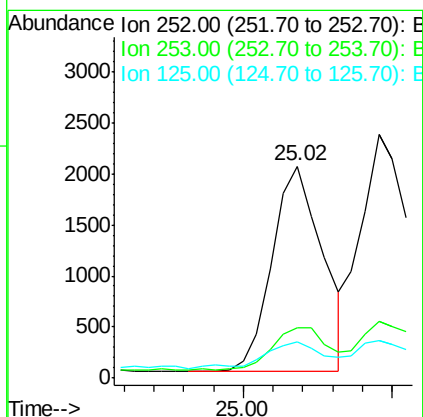
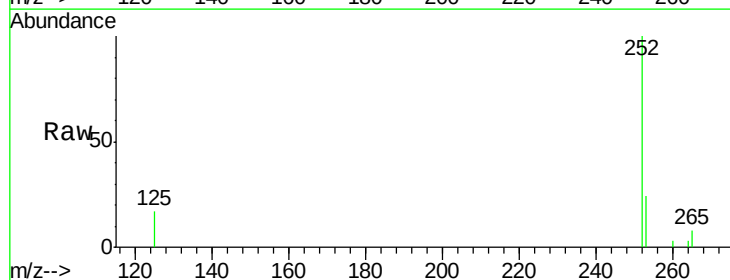
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.2	17.0	25.6

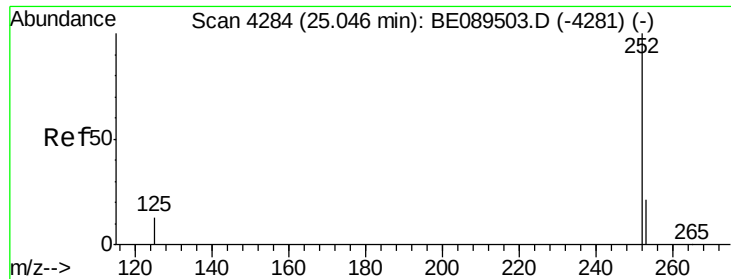


#23
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 25.02 min Scan# 4279
Delta R.T. -0.00 min
Lab File: BE089507.D
Acq: 5 Feb 2015 16:02

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#





#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

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

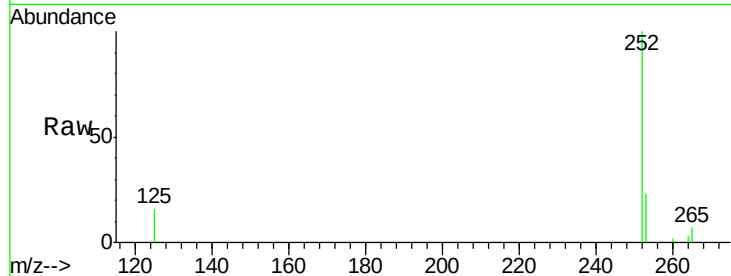
Tot Ion:252 Resp: 3630

Ion Ratio Lower Upper

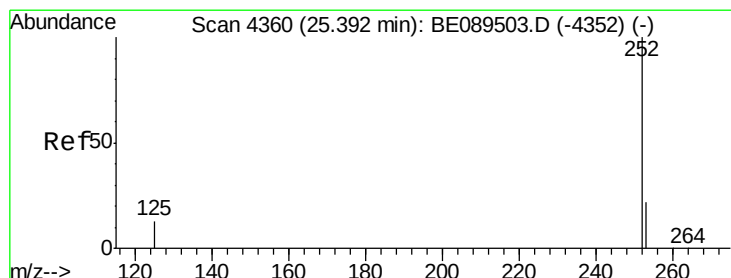
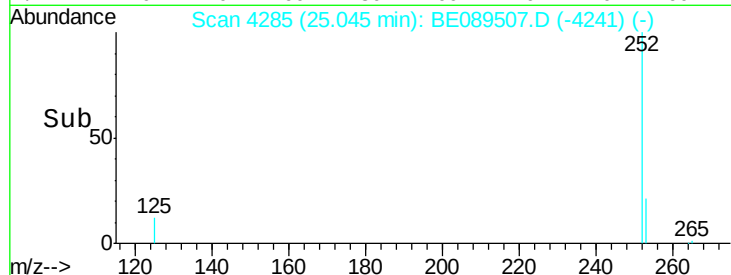
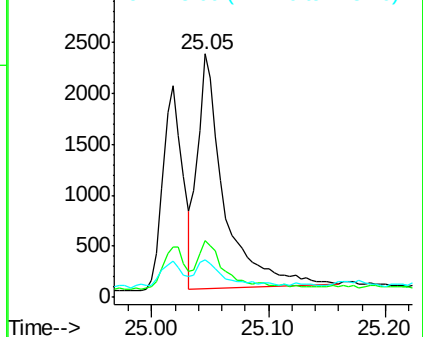
252 100

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

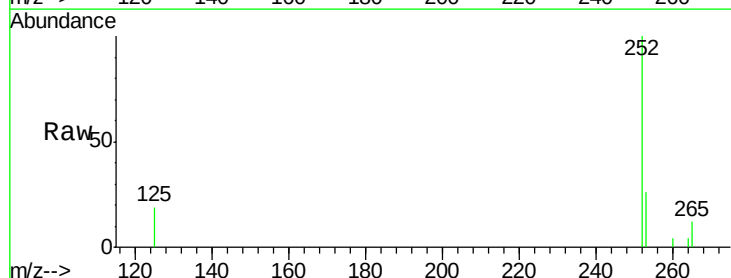
Tgt Ion:252 Resp: 2440

Ion Ratio Lower Upper

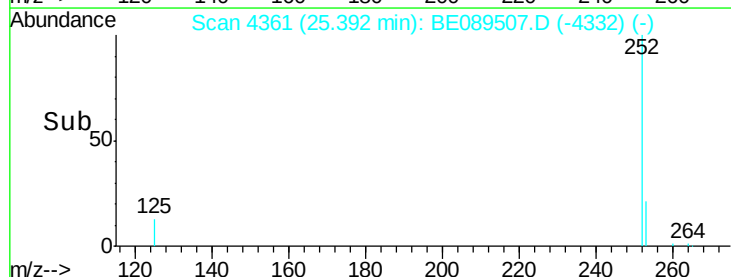
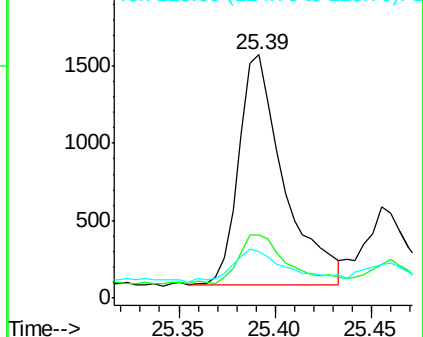
252 100

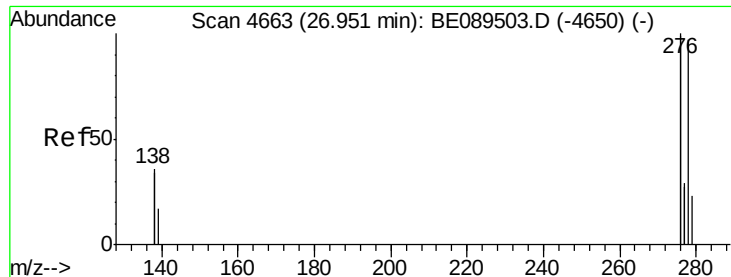
253 26.0 17.8 26.6

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

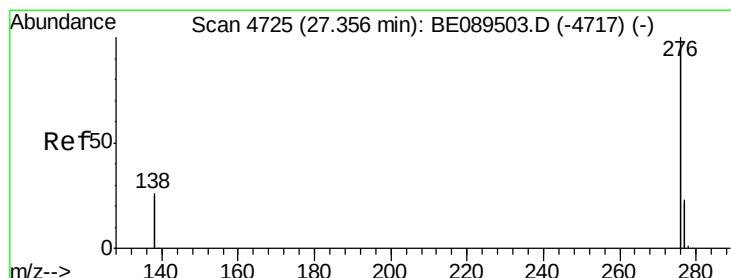
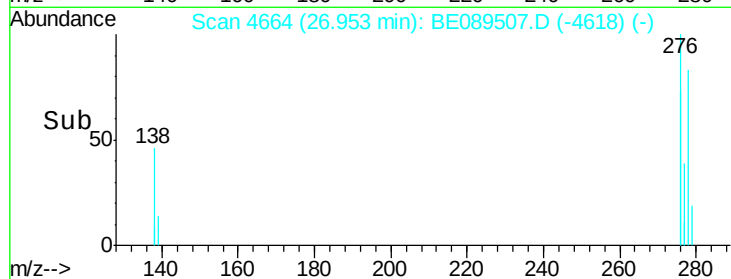
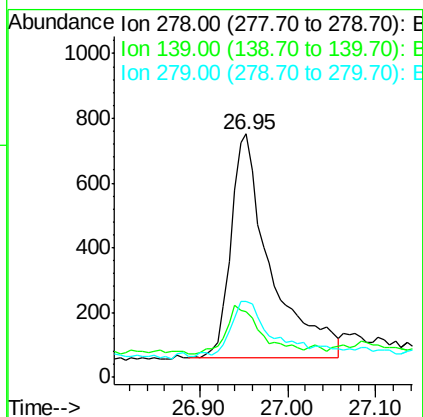
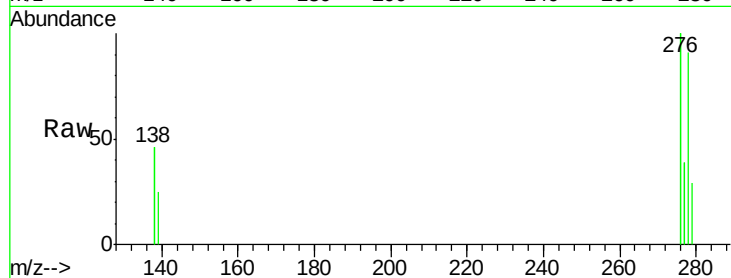




#26
Dibenzo(a,h)anthracene
Concen: 0.08 ng
RT: 26.95 min Scan# 4664
Delta R.T. 0.00 min
Lab File: BE089507.D
Acq: 5 Feb 2015 16:02

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tot Ion:278 Resp: 2157
Ion Ratio Lower Upper
278 100
139 26.9 14.6 22.0#
279 31.4 19.0 28.4#



#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

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

