

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089553.D
 Acq On : 7 Feb 2015 9:25
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Quant Time: Feb 09 00:15:31 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

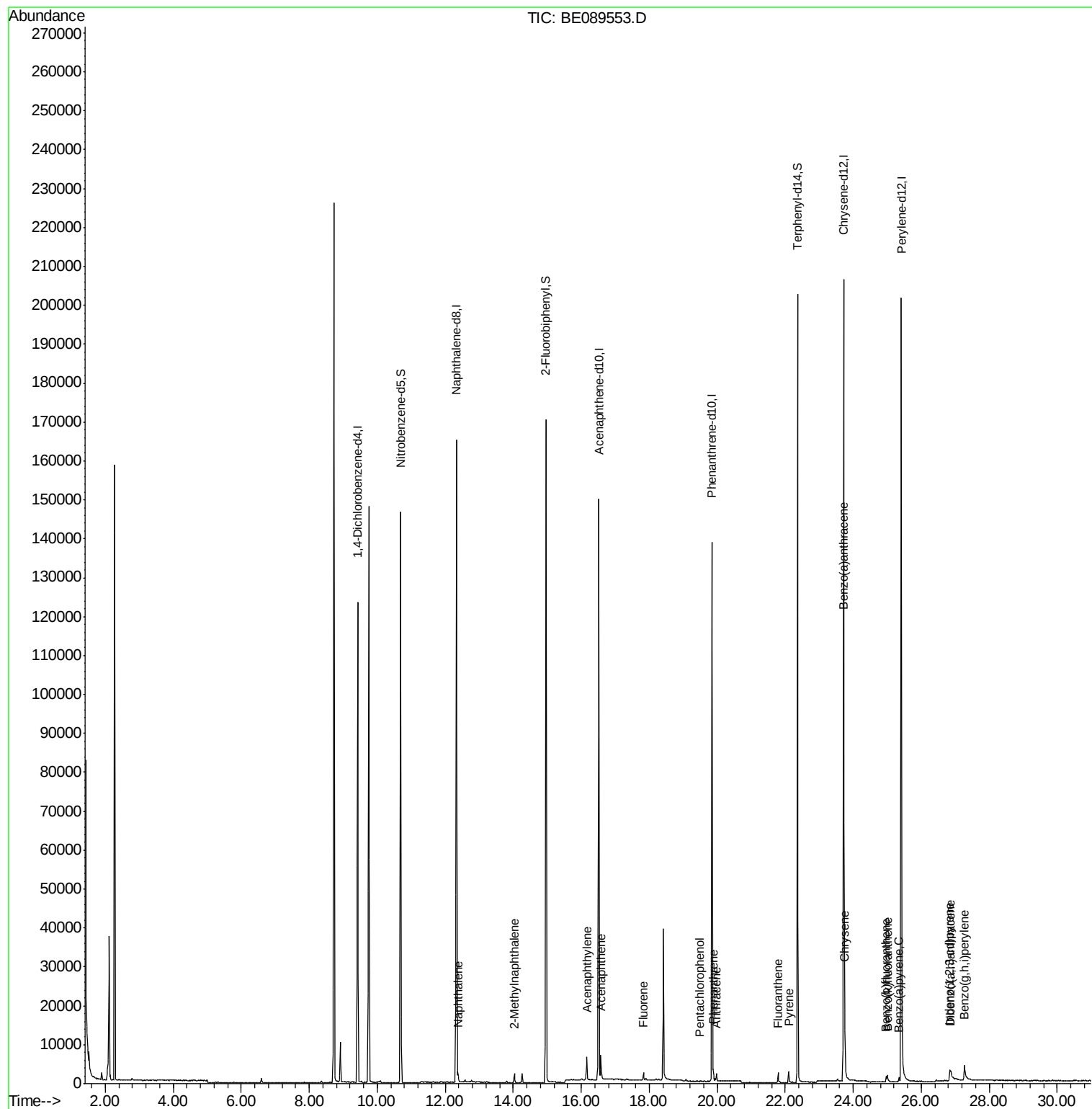
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	52203	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	197835	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	88569	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	147924	5.00	ng	0.00
16) Chrysene-d12	23.72	240	173174	5.00	ng	0.00
22) Perylene-d12	25.41	264	188202	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	106999	8.14	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	161417	6.83	ng	0.00
18) Terphenyl-d14	22.36	244	179133	7.84	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.37	128	3161	0.07	ng	97
5) 2-Methylnaphthalene	14.03	142	1598	0.06	ng	96
8) Acenaphthylene	16.16	152	7930	0.05	ng	99
9) Acenaphthene	16.59	154	1437	0.06	ng	91
10) Fluorene	17.83	166	1512	0.06	ng	96
12) Pentachlorophenol	19.48	266	1	0.53	ng	# 78
13) Phenanthrene	19.89	178	2488	0.07	ng	100
14) Anthracene	19.98	178	1833	0.06	ng	97
15) Fluoranthene	21.79	202	1969	0.06	ng	98
17) Pyrene	22.10	202	2154	0.06	ng	98
19) Benzo(a)anthracene	23.70	228	9935	0.06	ng	# 93
20) Chrysene	23.75	228	11332	0.07	ng	96
21) Indeno(1,2,3-cd)pyrene	26.84	276	7678	0.04	ng	# 77
23) Benzo(b)fluoranthene	24.97	252	1361	0.04	ng	# 93
24) Benzo(k)fluoranthene	25.00	252	2388	0.05	ng	# 92
25) Benzo(a)pyrene	25.34	252	1494	0.04	ng	# 83
26) Dibenzo(a,h)anthracene	26.87	278	1470	0.03	ng	# 79
27) Benzo(g,h,i)perylene	27.27	276	8581	0.05	ng	92

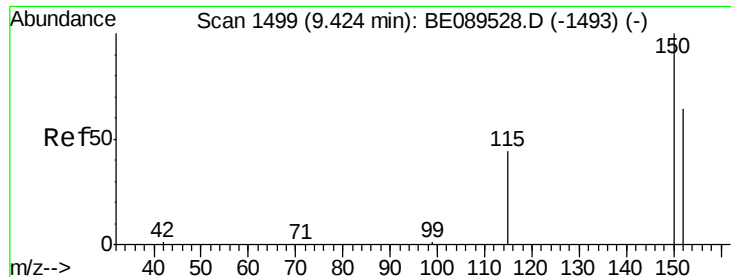
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

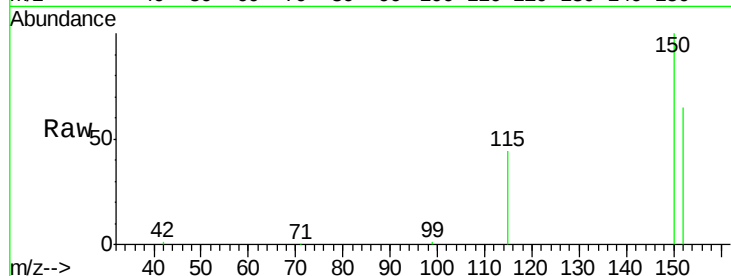
Tgt Ion:152 Resp: 52203

Ion Ratio Lower Upper

152 100

150 154.2 125.7 188.5

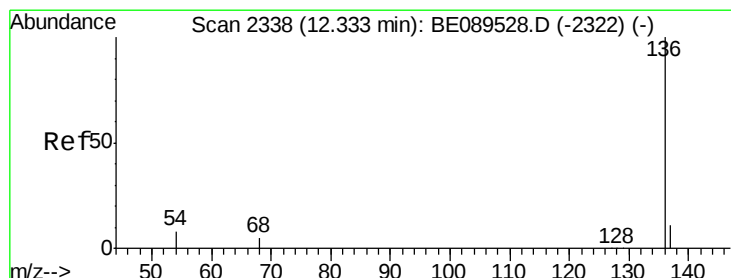
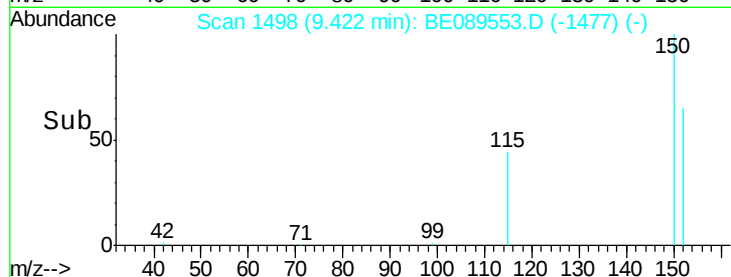
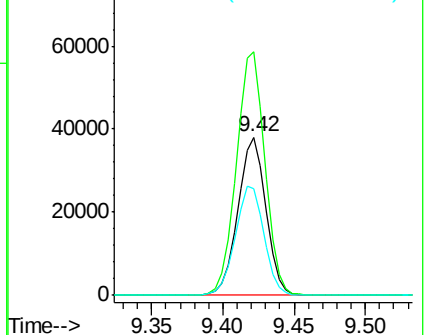
115 67.9 55.6 83.4



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: BE089553.D

Acq: 7 Feb 2015 9:25

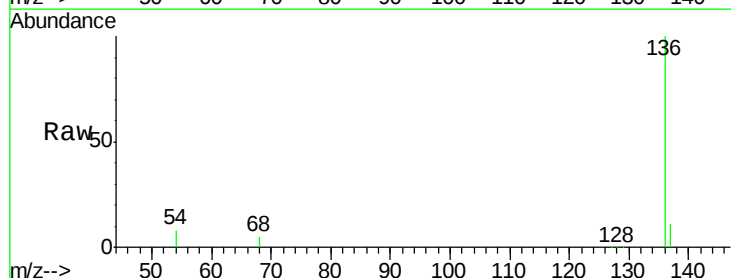
Tgt Ion:136 Resp: 197835

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

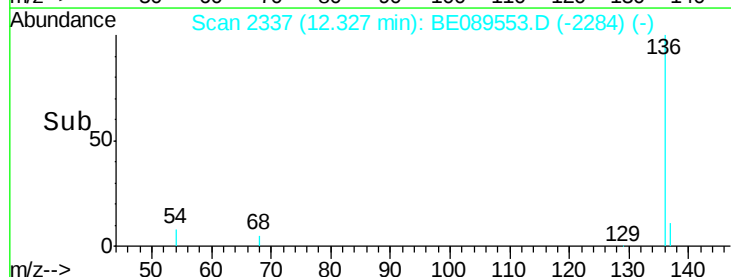
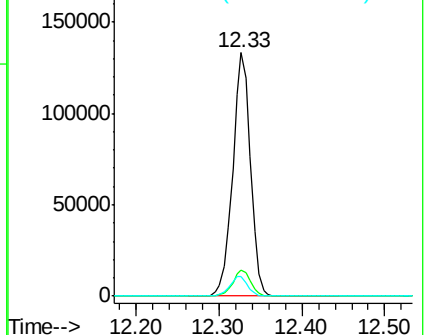
54 7.9 6.1 9.1

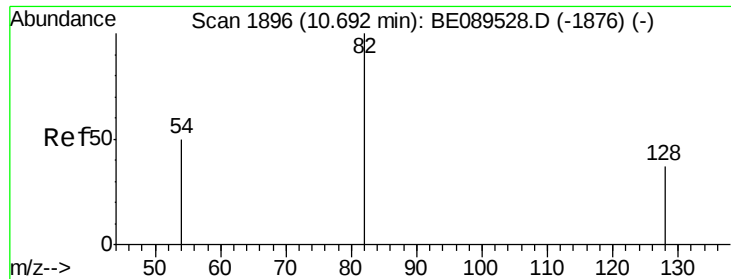


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 8.14 ng

RT: 10.69 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

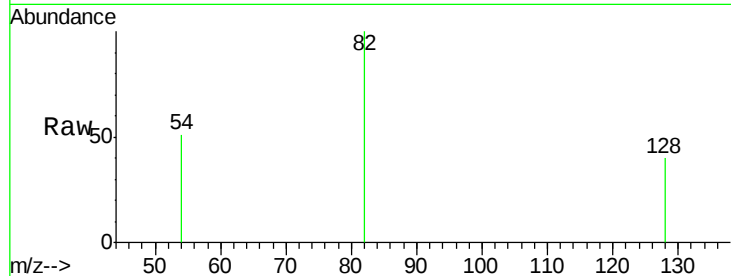
Tgt Ion: 82 Resp: 106999

Ion Ratio Lower Upper

82 100

128 39.7 30.2 45.4

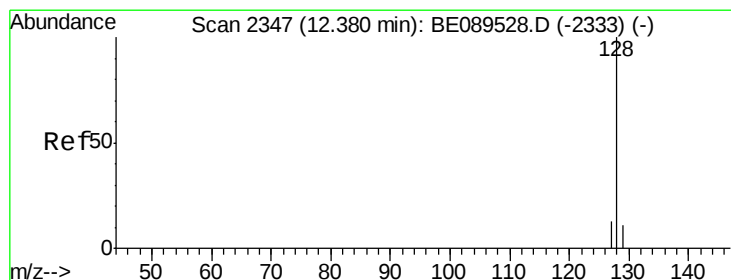
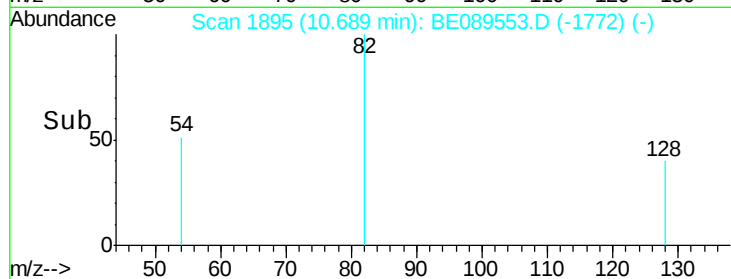
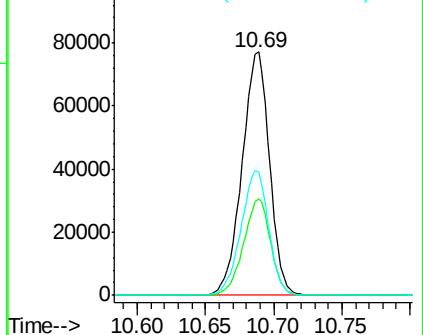
54 50.7 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BE089528.D (-1876) (-)

Ion 128.00 (127.70 to 128.70): BE089528.D (-1876) (-)

Ion 54.00 (53.70 to 54.70): BE089528.D (-1876) (-)



#4

Naphthalene

Concen: 0.07 ng

RT: 12.37 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

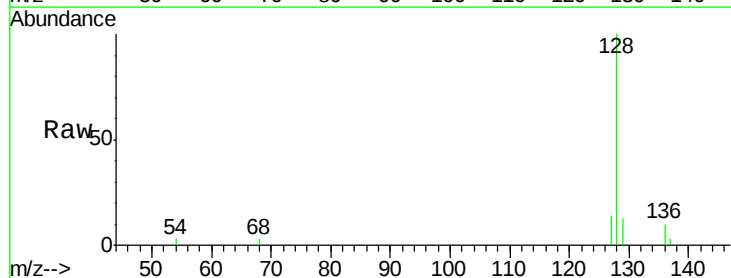
Tgt Ion: 128 Resp: 3161

Ion Ratio Lower Upper

128 100

129 12.8 9.1 13.7

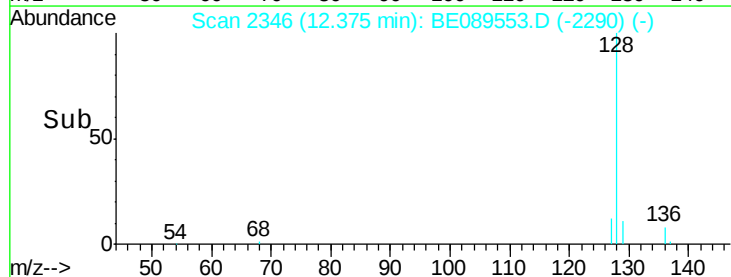
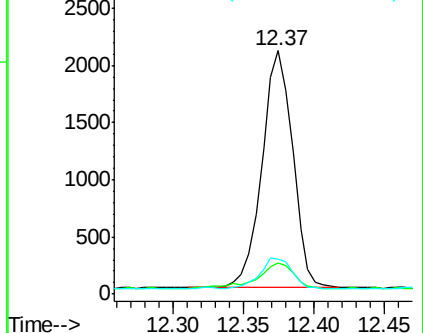
127 14.3 10.5 15.7

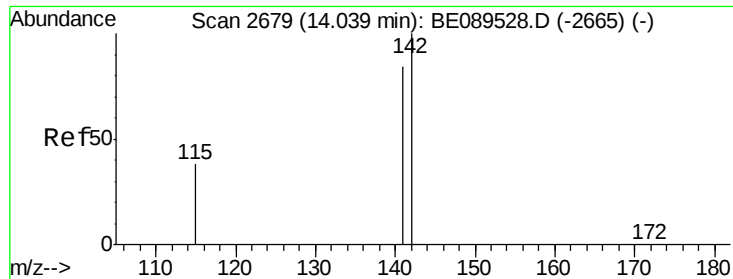


Abundance Ion 128.00 (127.70 to 128.70): BE089528.D (-2333) (-)

Ion 129.00 (128.70 to 129.70): BE089528.D (-2333) (-)

Ion 127.00 (126.70 to 127.70): BE089528.D (-2333) (-)





#5

2-Methylnaphthalene

Concen: 0.06 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.01 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

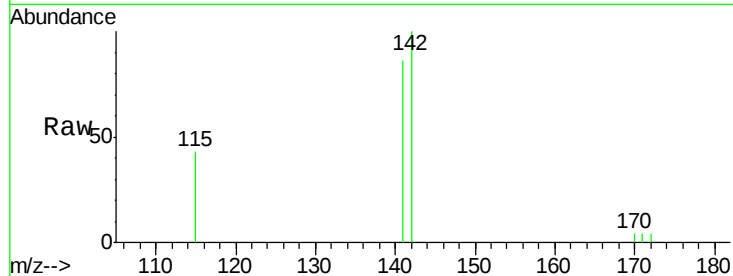
Tgt Ion:142 Resp: 1598

Ion Ratio Lower Upper

142 100

141 85.6 67.0 100.6

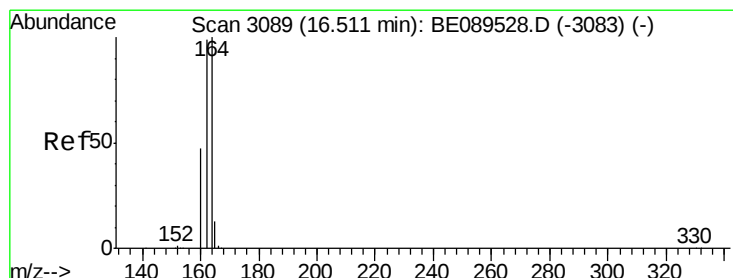
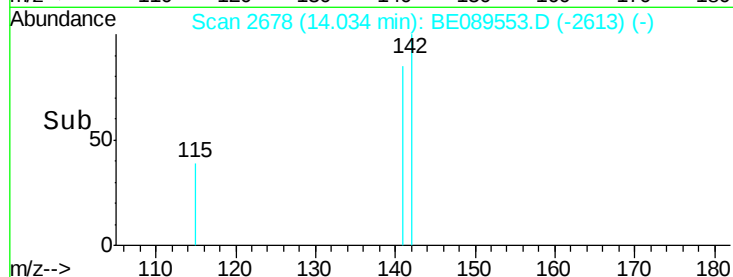
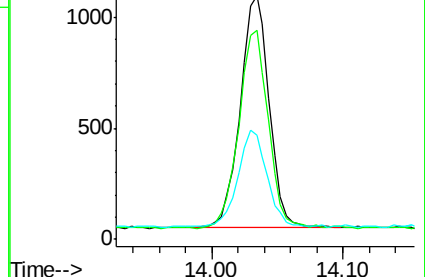
115 42.5 30.6 45.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.51 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

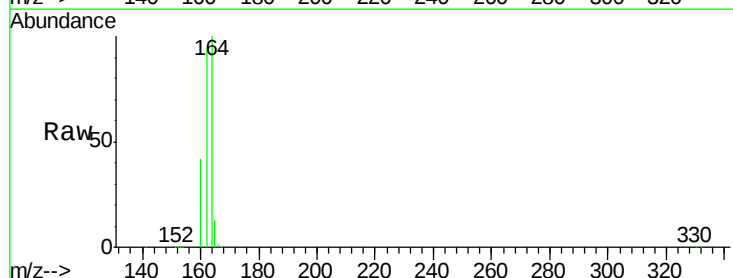
Tgt Ion:164 Resp: 88569

Ion Ratio Lower Upper

164 100

162 94.3 79.5 119.3

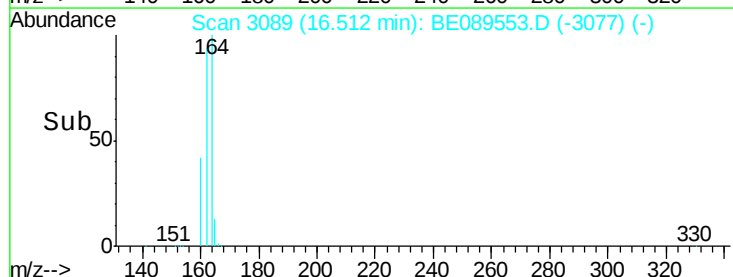
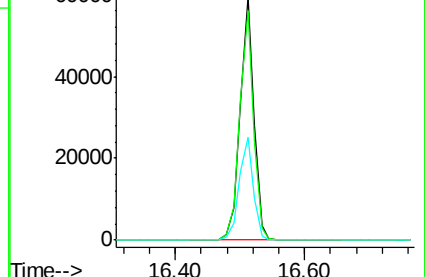
160 42.5 37.6 56.4

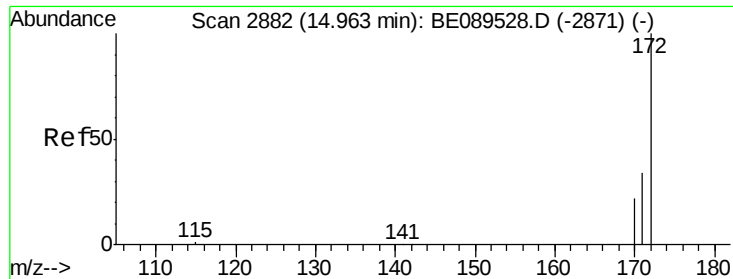


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 6.83 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

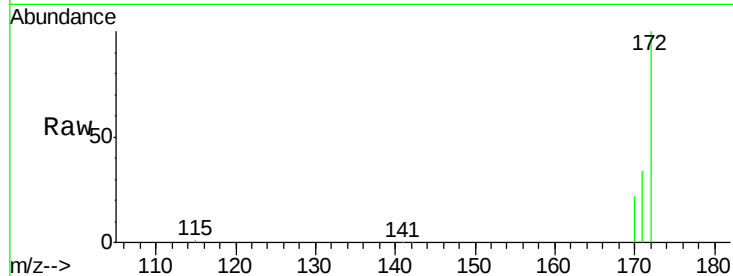
Tgt Ion:172 Resp: 161417

Ion Ratio Lower Upper

172 100

171 34.0 27.7 41.5

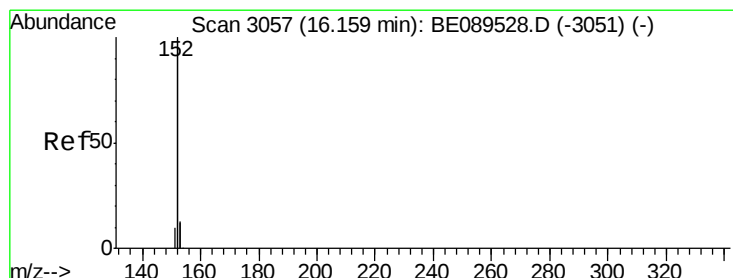
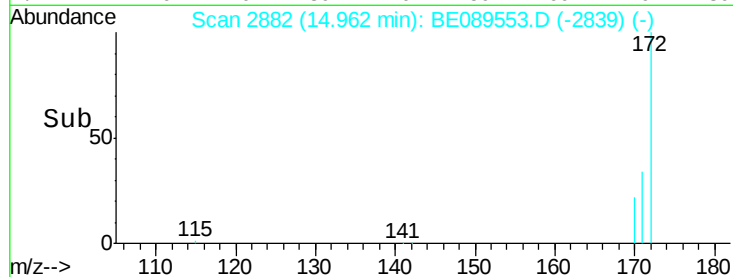
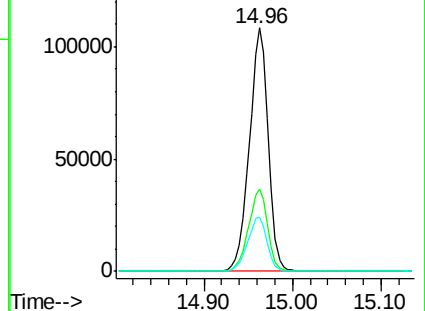
170 22.4 18.3 27.5



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: BE089553.D

Acq: 7 Feb 2015 9:25

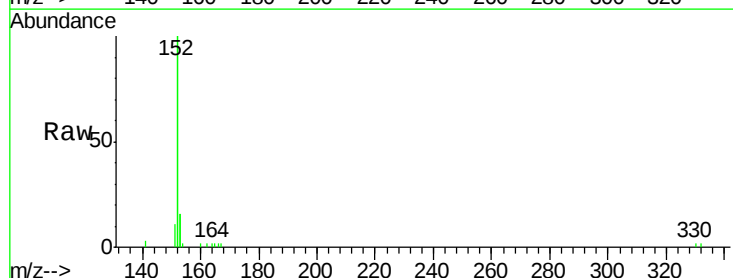
Tgt Ion:152 Resp: 7930

Ion Ratio Lower Upper

152 100

151 5.4 4.0 6.0

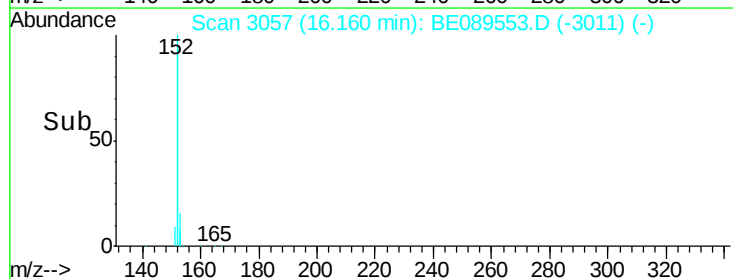
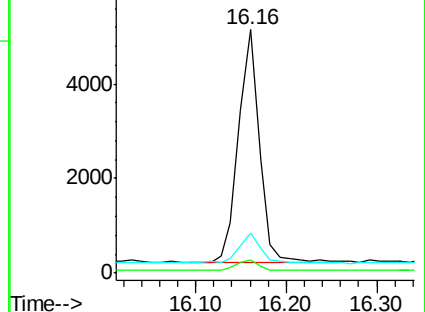
153 12.7 10.6 15.8

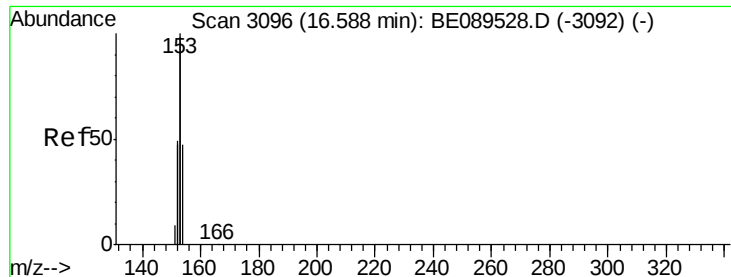


Abundance Ion 152.00 (151.70 to 152.70): E

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: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

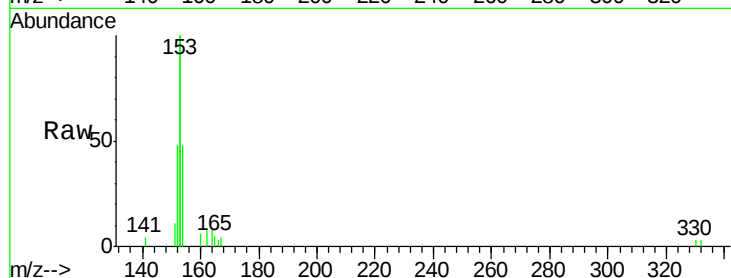
Tgt Ion:154 Resp: 1437

Ion Ratio Lower Upper

154 100

153 441.1 340.8 511.2

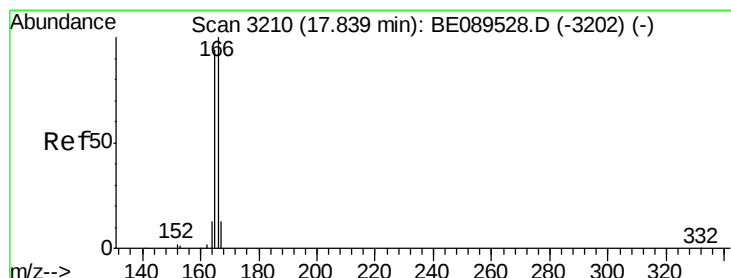
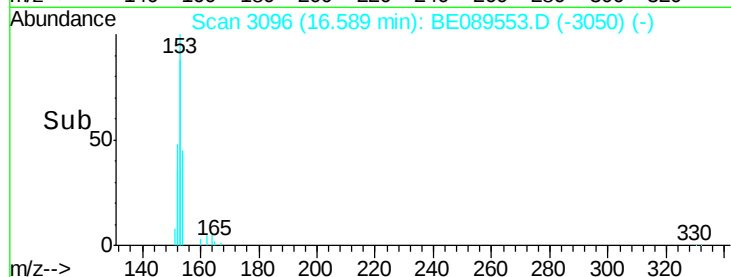
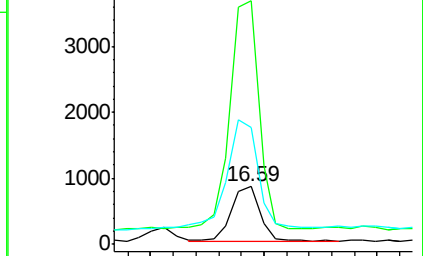
152 228.3 165.5 248.3



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: 0.06 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

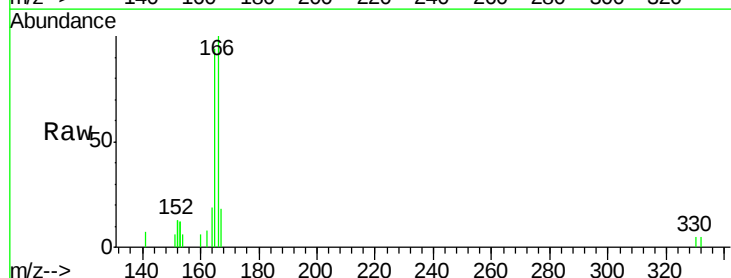
Tgt Ion:166 Resp: 1512

Ion Ratio Lower Upper

166 100

165 90.7 75.5 113.3

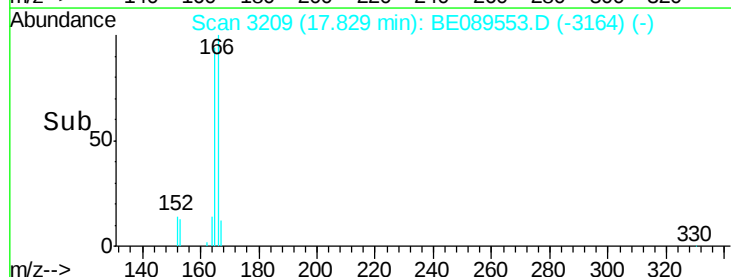
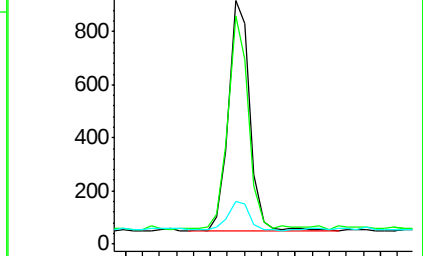
167 12.9 10.9 16.3

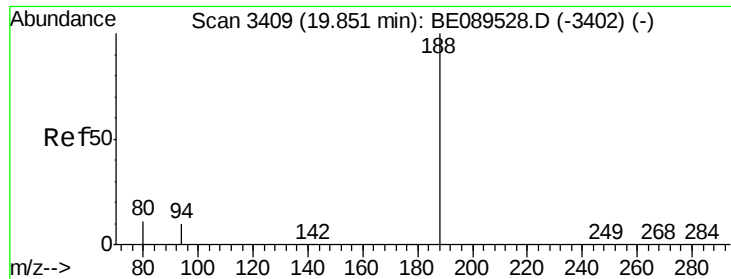


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

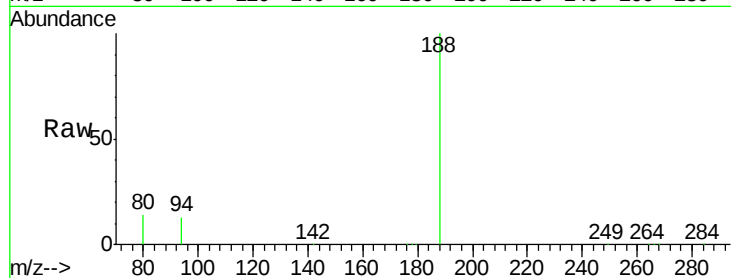




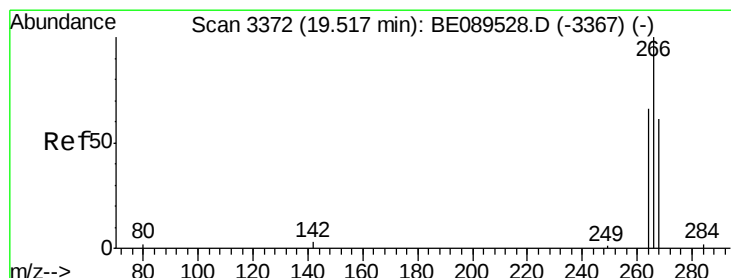
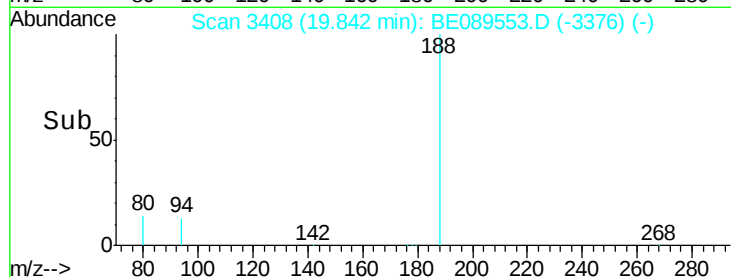
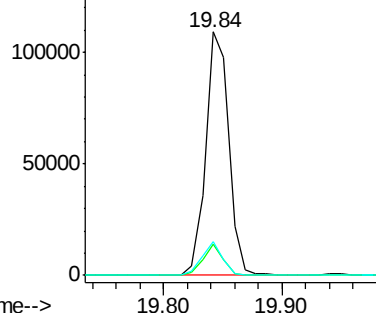
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3408
Delta R.T. -0.01 min
Lab File: BE089553.D
Acq: 7 Feb 2015 9:25

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion:188 Resp: 147924
Ion Ratio Lower Upper
188 100
94 12.6 8.4 12.6#
80 14.0 8.6 12.8#

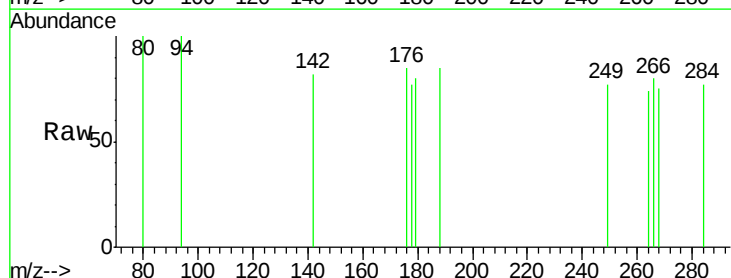


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

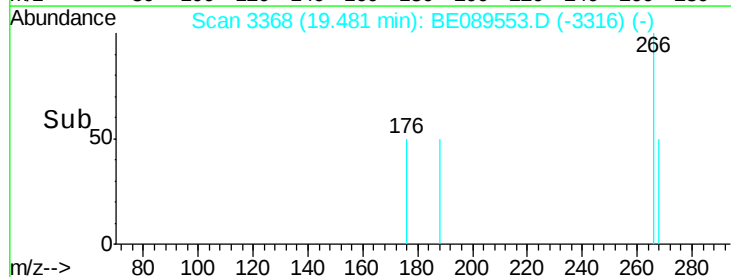
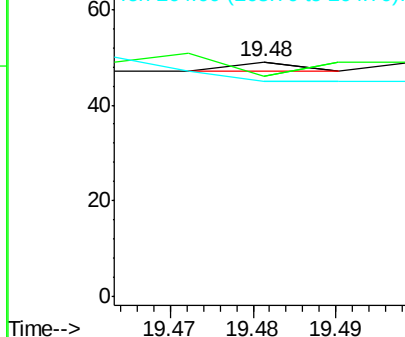


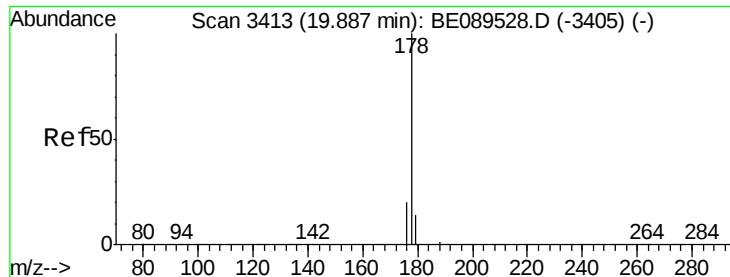
#12
Pentachlorophenol
Concen: 0.53 ng
RT: 19.48 min Scan# 3368
Delta R.T. -0.04 min
Lab File: BE089553.D
Acq: 7 Feb 2015 9:25

Tgt Ion:266 Resp: 1
Ion Ratio Lower Upper
266 100
268 93.9 57.9 86.9#
264 91.8 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: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

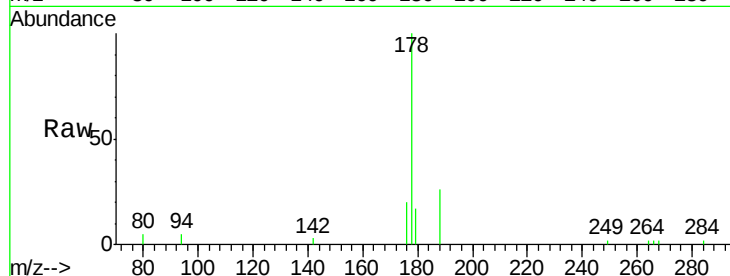
Tgt Ion:178 Resp: 2488

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

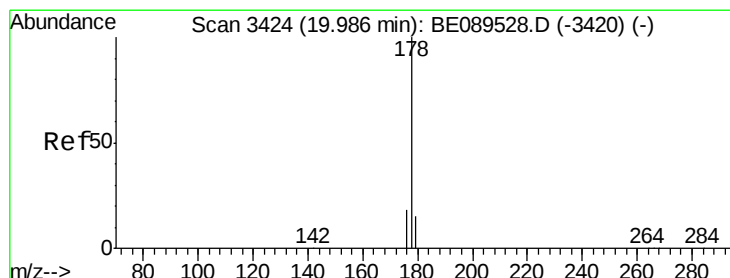
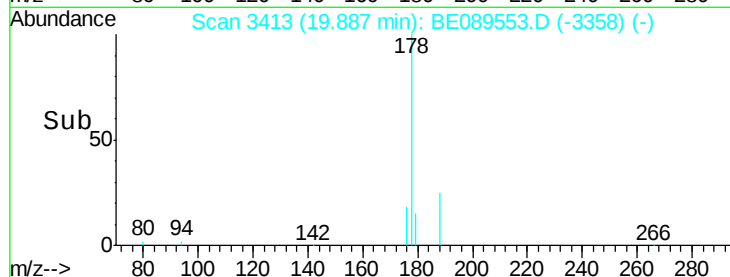
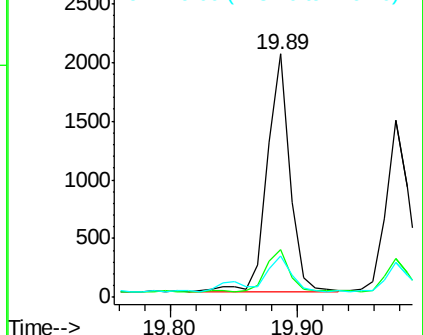
179 15.5 12.2 18.2



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: BE089553.D

Acq: 7 Feb 2015 9:25

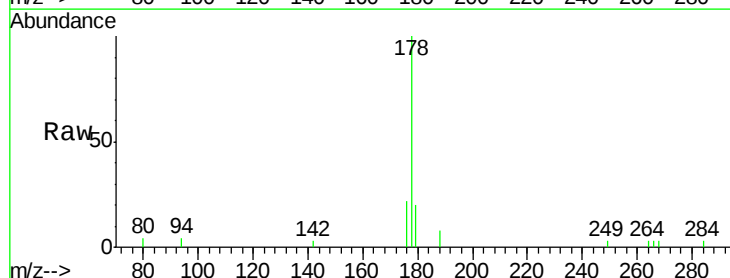
Tgt Ion:178 Resp: 1833

Ion Ratio Lower Upper

178 100

176 19.4 14.5 21.7

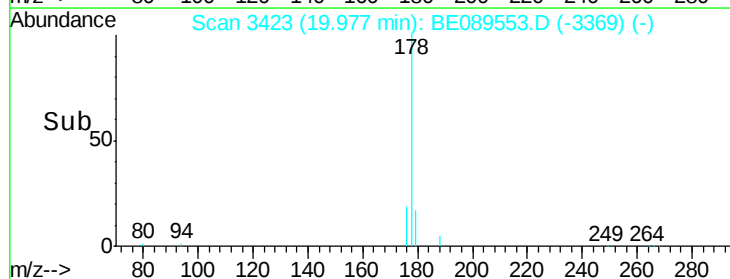
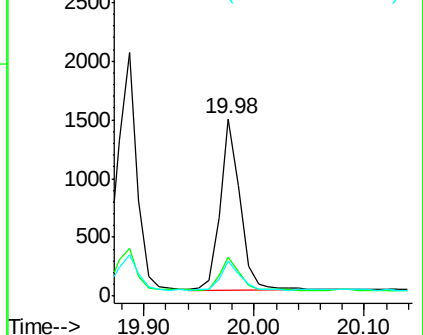
179 16.8 12.2 18.2

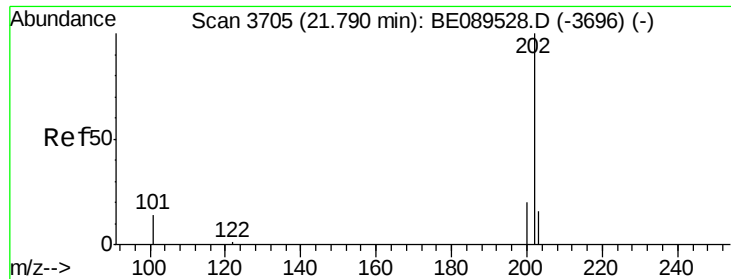


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

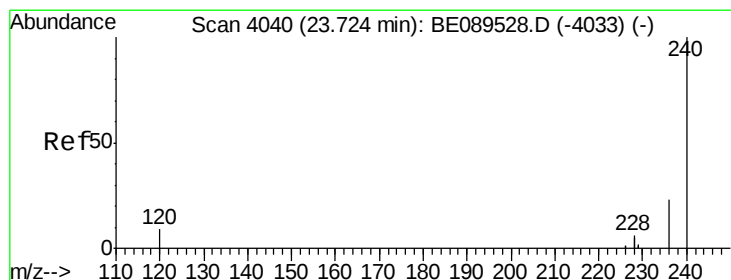
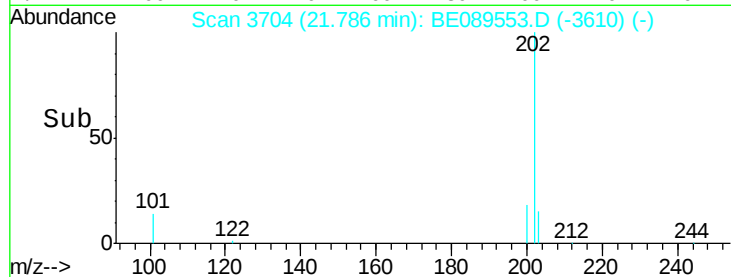
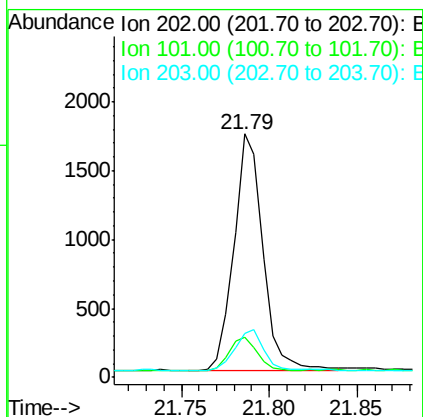
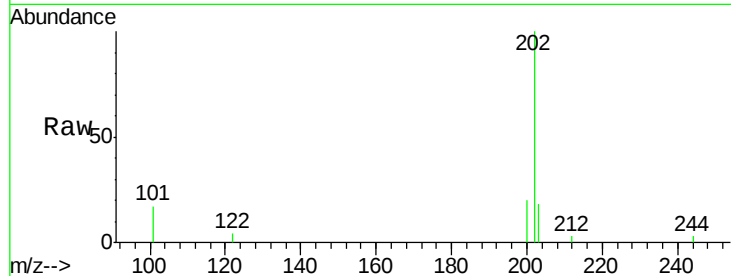




#15
Fluoranthene
Concen: 0.06 ng
RT: 21.79 min Scan# 3704
Delta R.T. -0.00 min
Lab File: BE089553.D
Acq: 7 Feb 2015 9:25

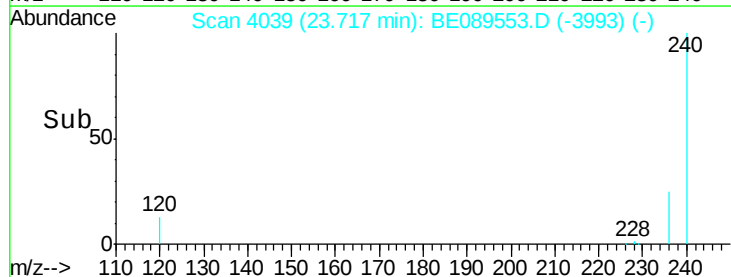
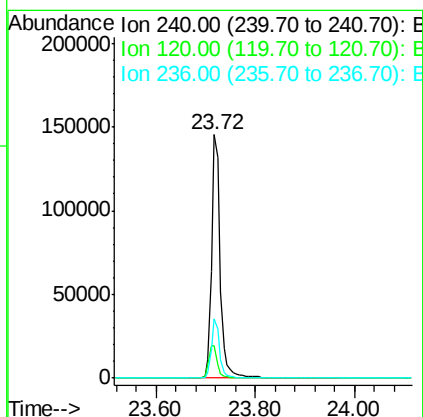
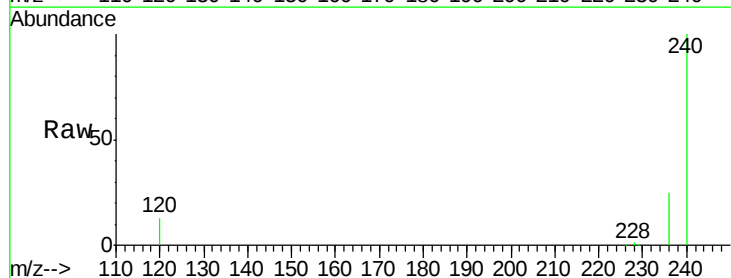
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

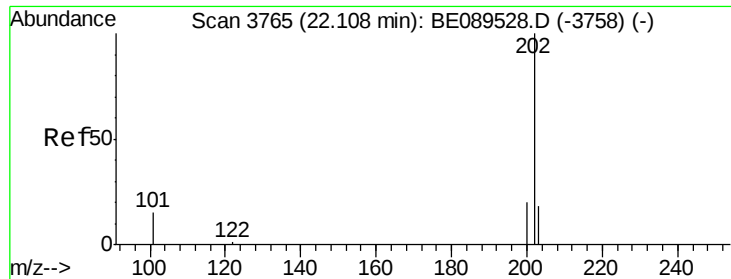
Tgt Ion: 202 Resp: 1969
Ion Ratio Lower Upper
202 100
101 13.9 11.6 17.4
203 17.7 13.6 20.4



#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.72 min Scan# 4039
Delta R.T. -0.01 min
Lab File: BE089553.D
Acq: 7 Feb 2015 9:25

Tgt Ion: 240 Resp: 173174
Ion Ratio Lower Upper
240 100
120 13.1 7.2 10.8#
236 24.5 18.5 27.7





#17

Pyrene

Concen: 0.06 ng

RT: 22.10 min Scan# 3764

Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

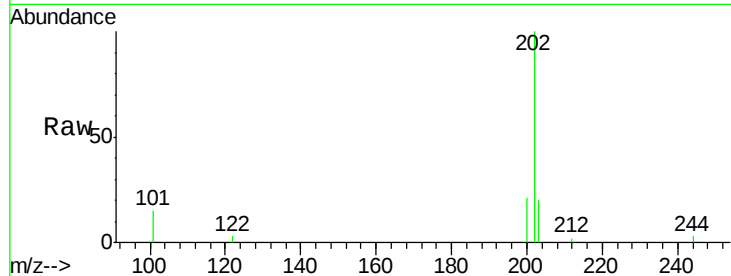
Tgt Ion:202 Resp: 2154

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

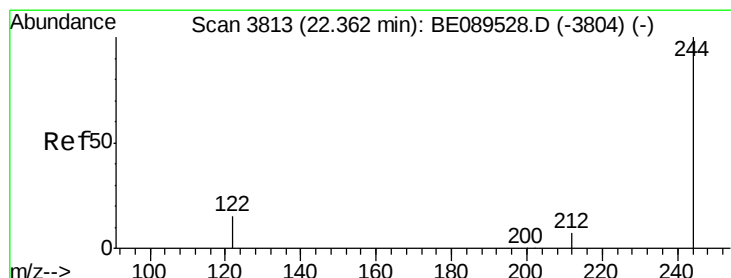
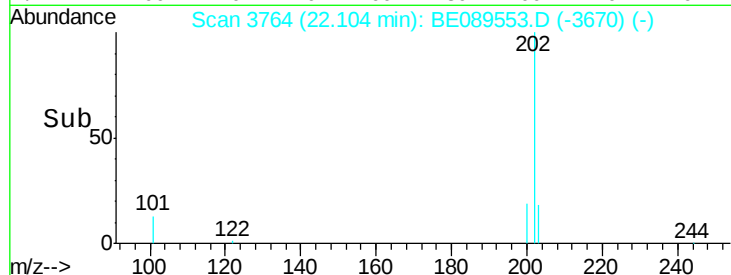
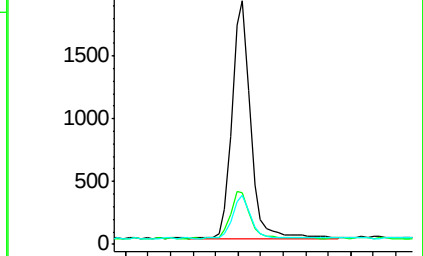
203 17.9 13.5 20.3



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: 7.84 ng

RT: 22.36 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

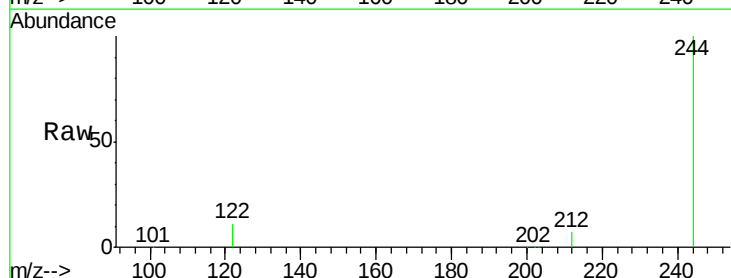
Tgt Ion:244 Resp: 179133

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

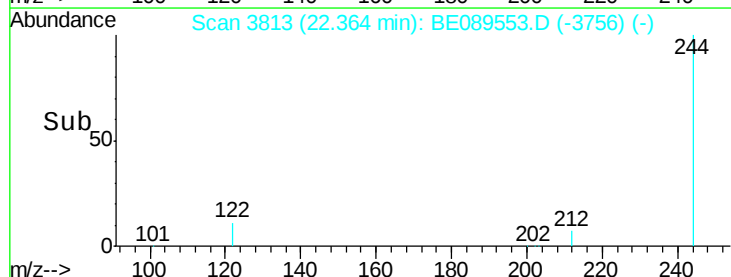
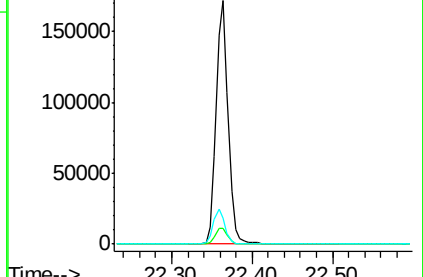
122 10.8 12.6 19.0#

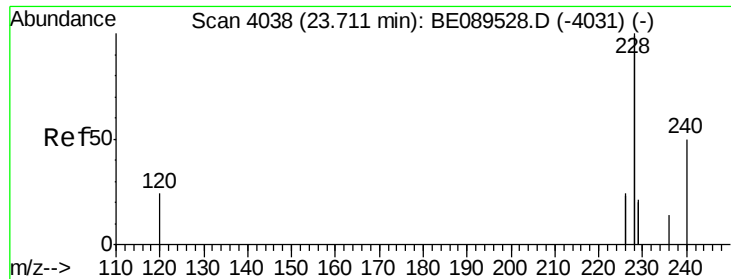


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.70 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

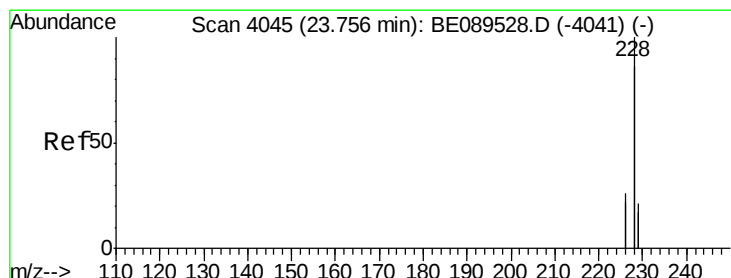
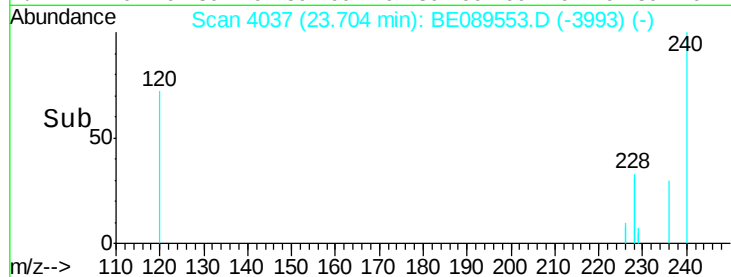
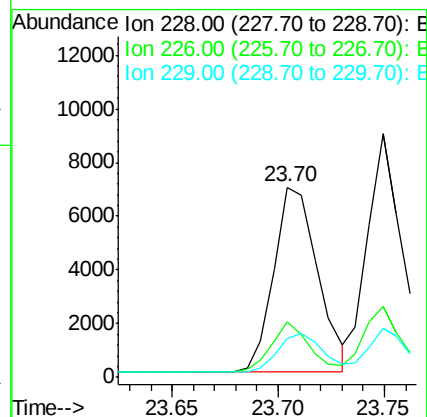
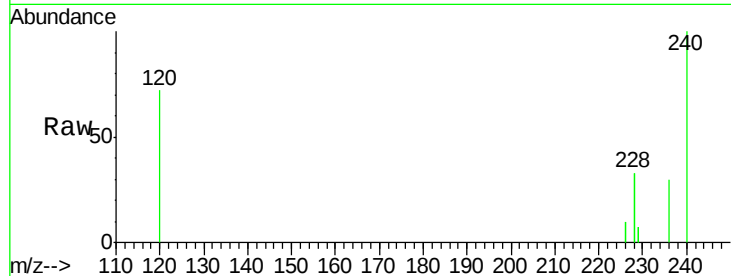
Tgt Ion:228 Resp: 9935

Ion Ratio Lower Upper

228 100

226 29.4 19.0 28.4#

229 20.1 16.8 25.2



#20

Chrysene

Concen: 0.07 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

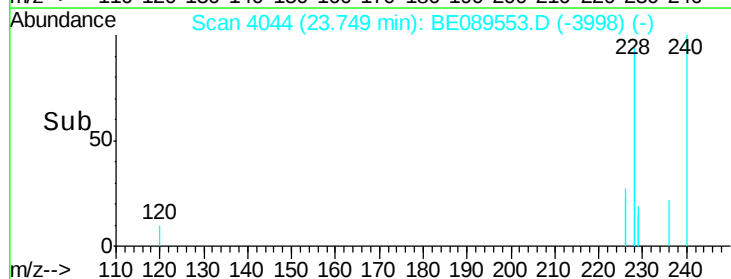
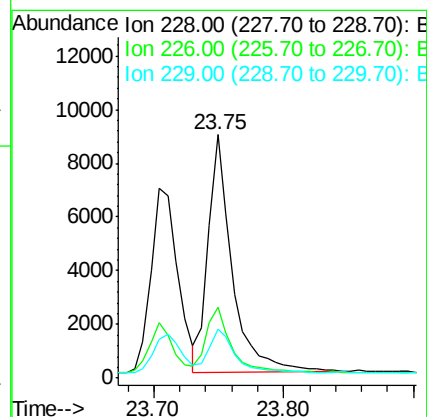
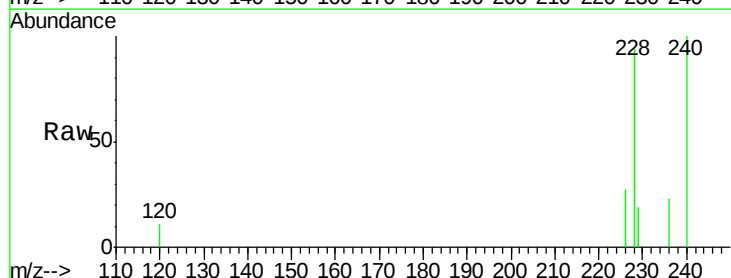
Tgt Ion:228 Resp: 11332

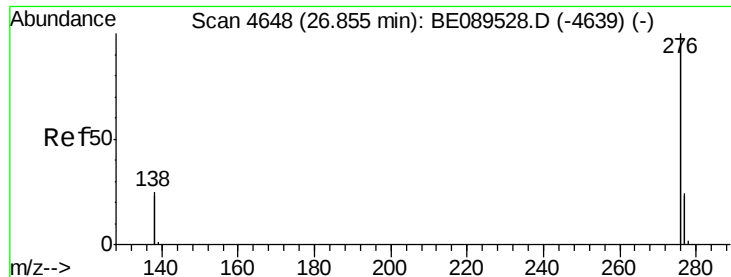
Ion Ratio Lower Upper

228 100

226 29.0 21.0 31.4

229 20.0 16.7 25.1

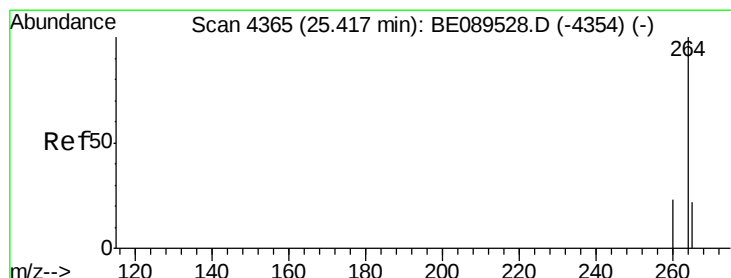
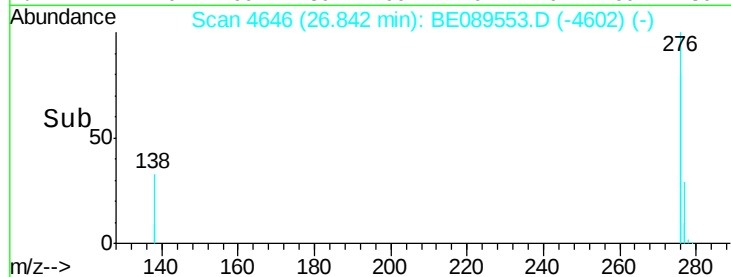
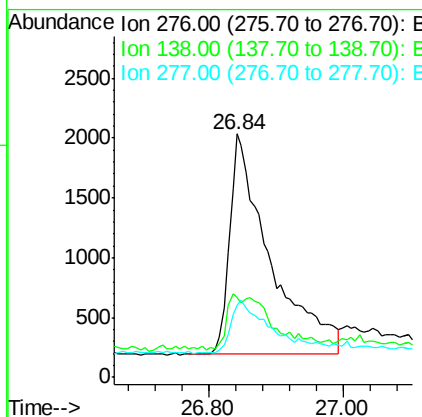
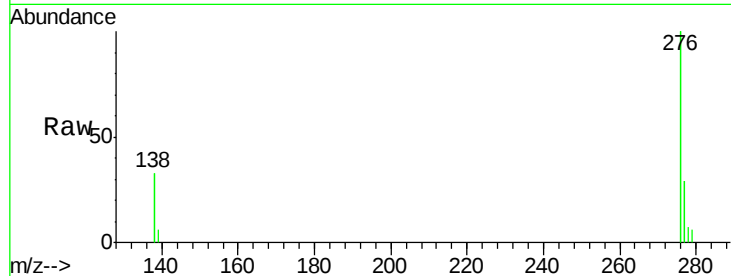




#21
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 26.84 min Scan# 4646
Delta R.T. -0.01 min
Lab File: BE089553.D
Acq: 7 Feb 2015 9:25

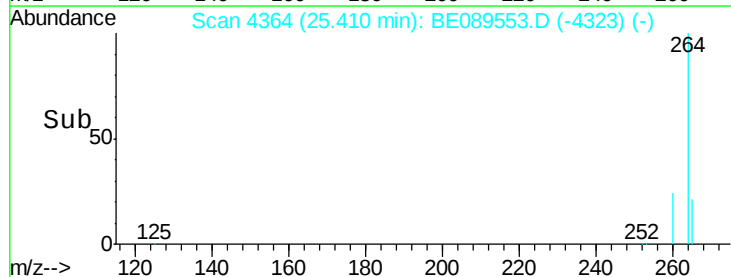
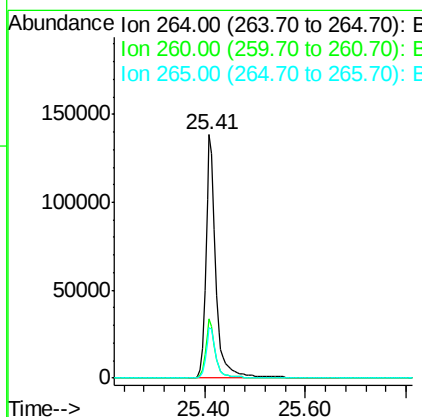
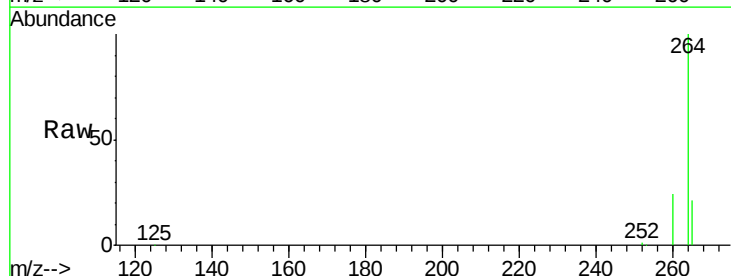
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

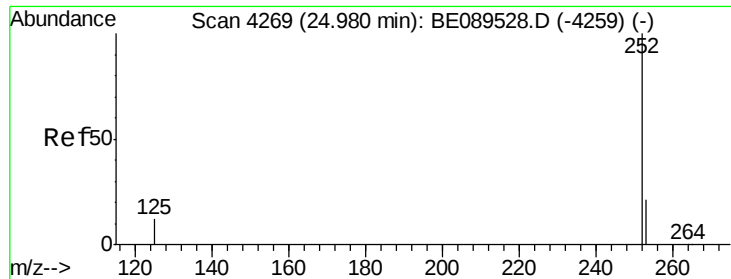
Tgt Ion: 276 Resp: 7678
Ion Ratio Lower Upper
276 100
138 9.4 23.0 34.4#
277 20.9 19.9 29.9



#22
Perylene-d12
Concen: 5.00 ng
RT: 25.41 min Scan# 4364
Delta R.T. -0.01 min
Lab File: BE089553.D
Acq: 7 Feb 2015 9:25

Tgt Ion: 264 Resp: 188202
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 20.7 17.5 26.3





#23

Benzo(b)fluoranthene

Concen: 0.04 ng

RT: 24.97 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

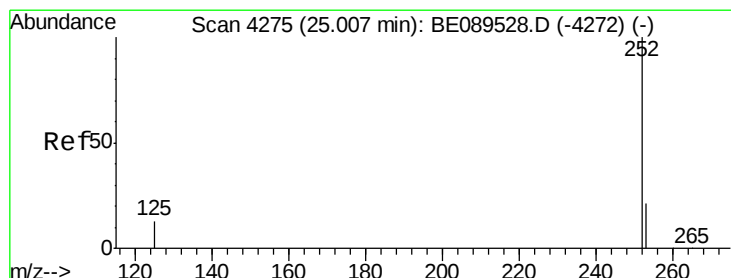
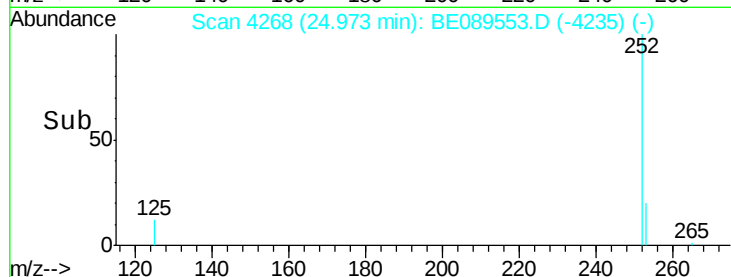
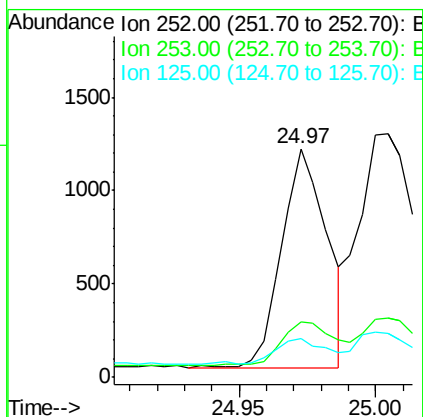
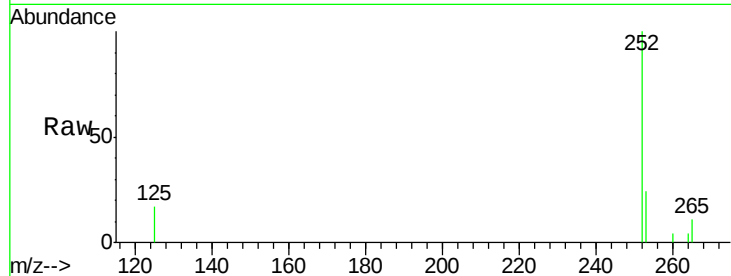
Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

Tgt Ion:	252	Resp:	1361
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	17.2	10.4	15.6#



#24

Benzo(k)fluoranthene

Concen: 0.05 ng

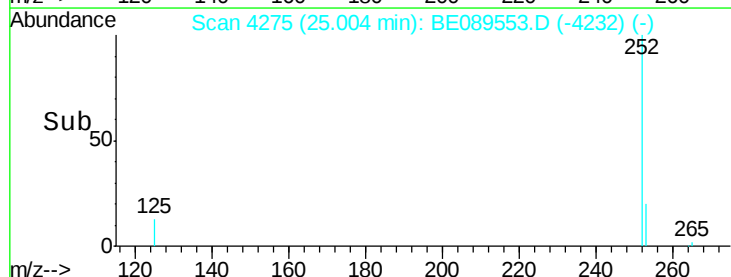
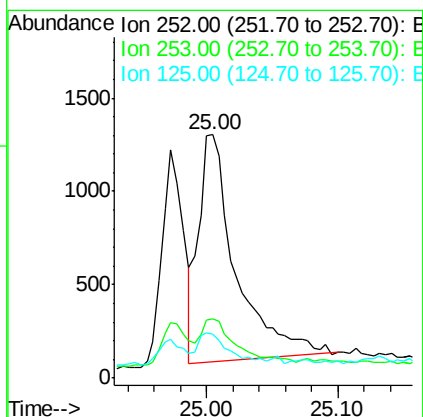
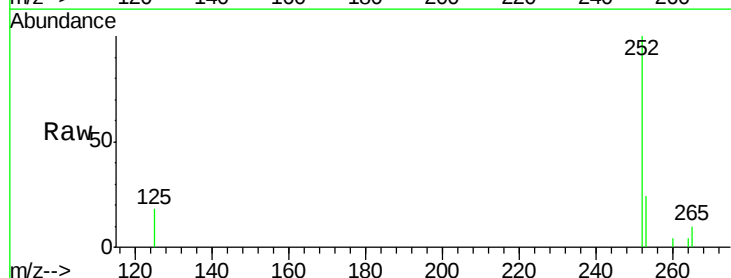
RT: 25.00 min Scan# 4275

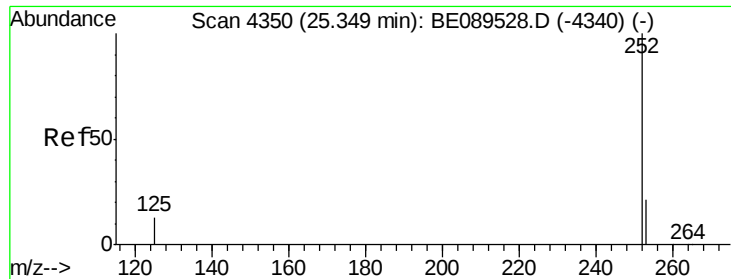
Delta R.T. -0.00 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

Tgt Ion:	252	Resp:	2388
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	18.2	10.6	15.8#





#25

Benzo(a)pyrene

Concen: 0.04 ng

RT: 25.34 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE089553.D

Acq: 7 Feb 2015 9:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

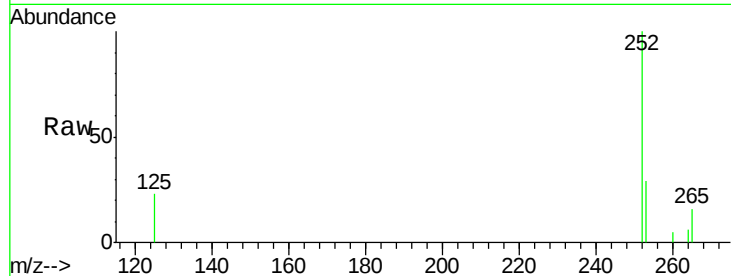
Tgt Ion:252 Resp: 1494

Ion Ratio Lower Upper

252 100

253 29.0 17.8 26.6#

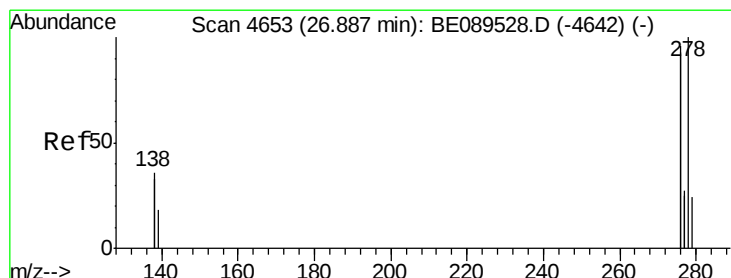
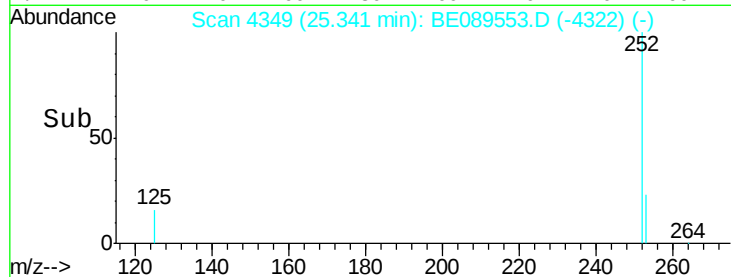
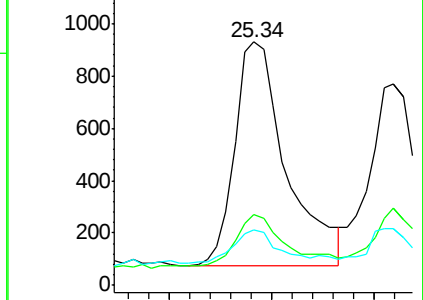
125 22.7 11.4 17.2#



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: BE089553.D

Acq: 7 Feb 2015 9:25

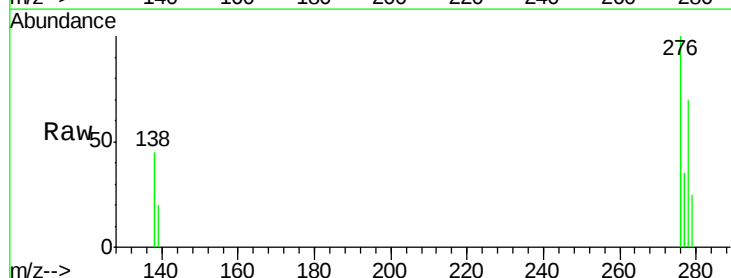
Tgt Ion:278 Resp: 1470

Ion Ratio Lower Upper

278 100

139 28.4 15.7 23.5#

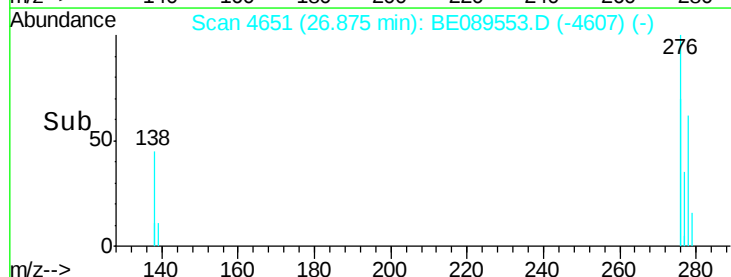
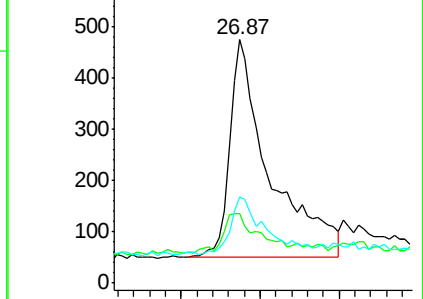
279 35.5 19.5 29.3#

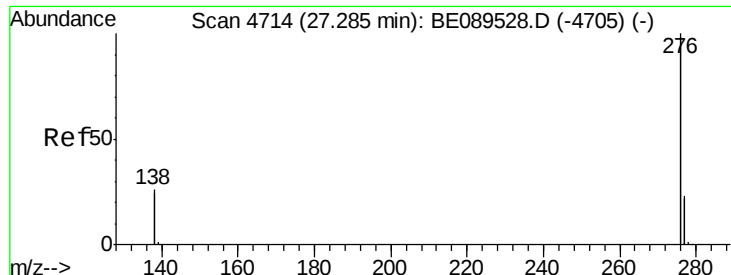


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

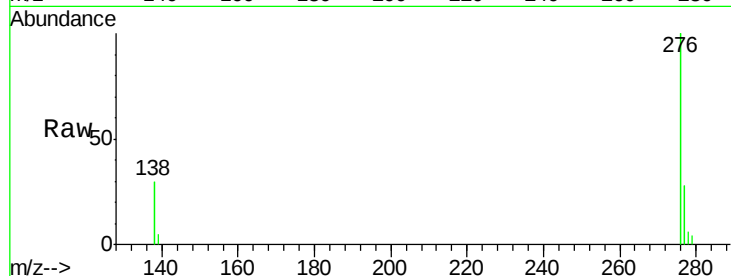




#27
 Benzo(g,h,i)perylene
 Concen: 0.05 ng
 RT: 27.27 min Scan# 4712
 Delta R.T. -0.01 min
 Lab File: BE089553.D
 Acq: 7 Feb 2015 9:25

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	27.8
138	29.9	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

