

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089341.D
 Acq On : 7 Jan 2015 22:38
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Jan 08 05:29:06 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 05:21:18 2015
 Response via : Initial Calibration

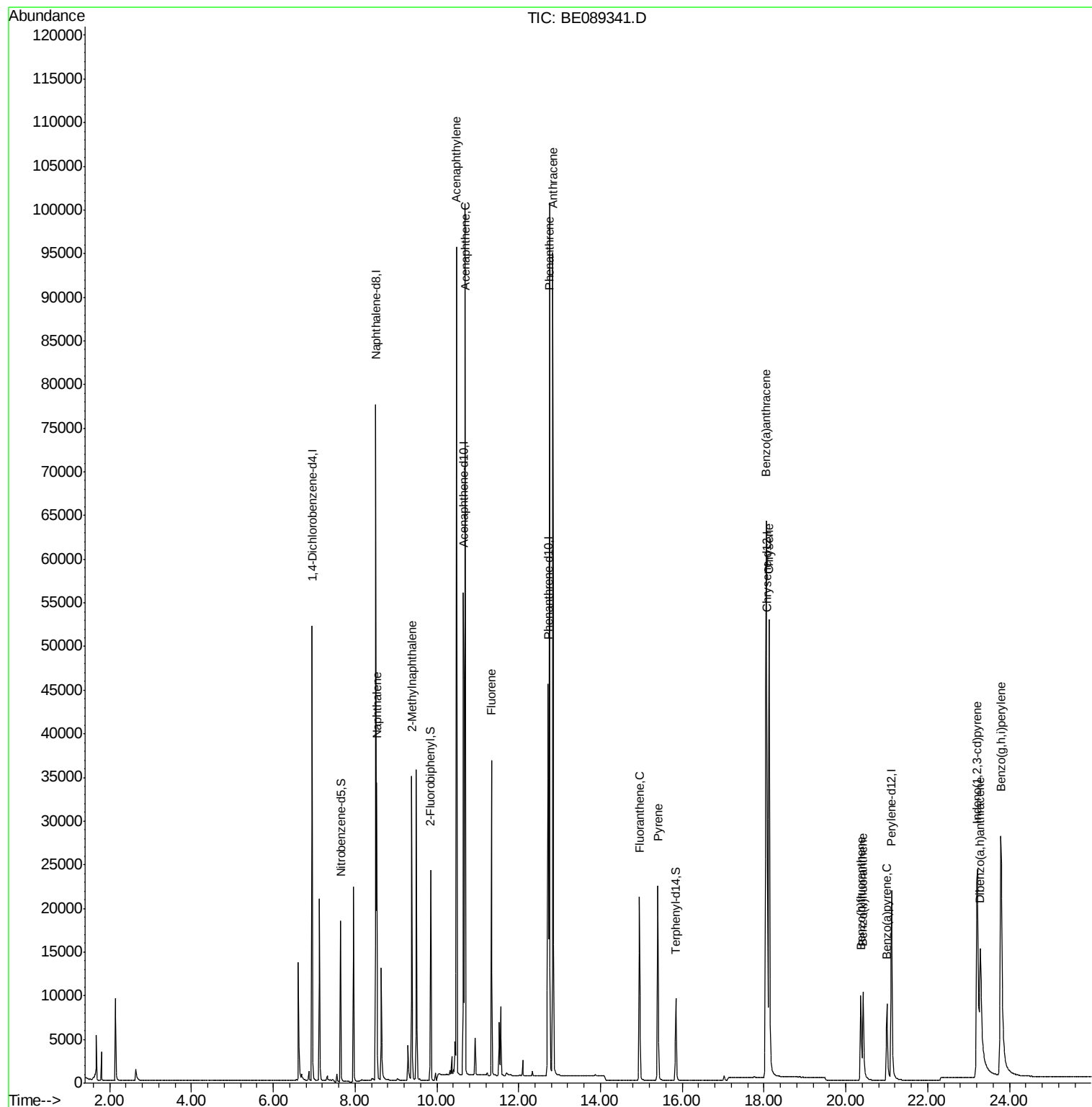
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	16824	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	64394	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	29451	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	45771	5.00	ng	0.00
15) Chrysene-d12	18.07	240	35497	5.00	ng	0.00
21) Perylene-d12	21.12	264	32467	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	9578	2.36	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	16485	2.15	ng	0.00
17) Terphenyl-d14	15.85	244	12563	2.40	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.53	128	28679	2.22	ng	99
5) 2-Methylnaphthalene	9.39	142	17888	2.32	ng	95
8) Acenaphthylene	10.47	152	101186	2.42	ng	98
9) Acenaphthene	10.69	154	15216	2.35	ng	94
10) Fluorene	11.34	166	16903	2.39	ng	99
12) Phenanthrene	12.75	178	95149	2.25	ng	99
13) Anthracene	12.84	178	94734	2.44	ng	98
14) Fluoranthene	14.96	202	21657	2.37	ng	98
16) Pyrene	15.40	202	22995	2.65	ng	99
18) Benzo(a)anthracene	18.05	228	70826	2.42	ng	99
19) Chrysene	18.12	228	71867	2.37	ng	99
20) Indeno(1,2,3-cd)pyrene	23.21	276	47377	1.62	ng	98
22) Benzo(b)fluoranthene	20.36	252	14818	2.30	ng	99
23) Benzo(k)fluoranthene	20.42	252	17940	2.16	ng	99
24) Benzo(a)pyrene	21.00	252	14427	2.36	ng	98
25) Dibenzo(a,h)anthracene	23.30	278	13344	2.07	ng	97
26) Benzo(g,h,i)perylene	23.79	276	65818	2.26	ng	99

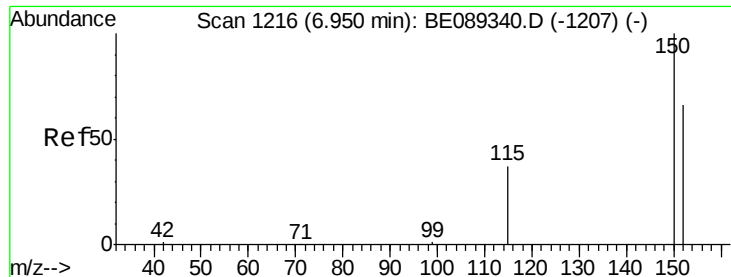
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
Data File : BE089341.D
Acq On : 7 Jan 2015 22:38
Operator : TP/IZ
Sample : SSTDICC002
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDICC002

Quant Time: Jan 08 05:29:06 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 05:21:18 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002

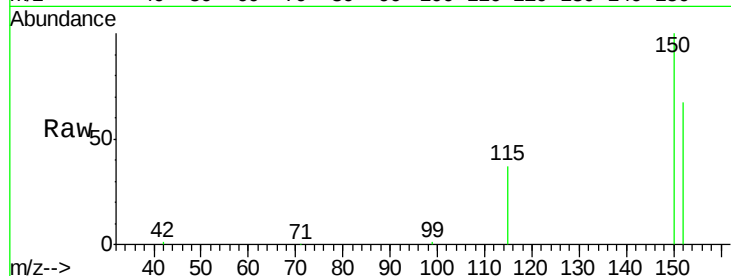
Tgt Ion:152 Resp: 16824

Ion Ratio Lower Upper

152 100

150 150.3 121.5 182.3

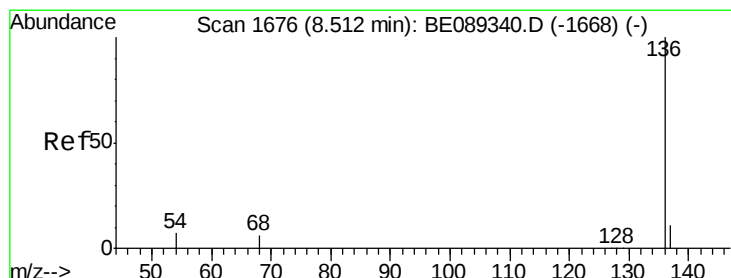
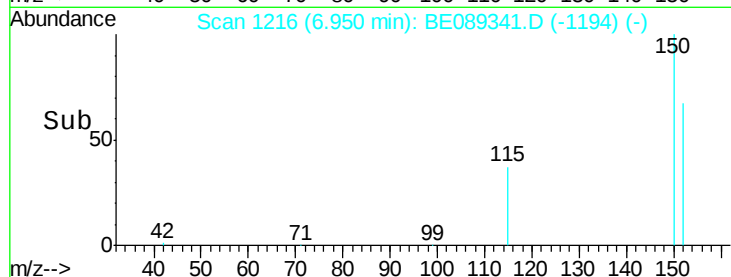
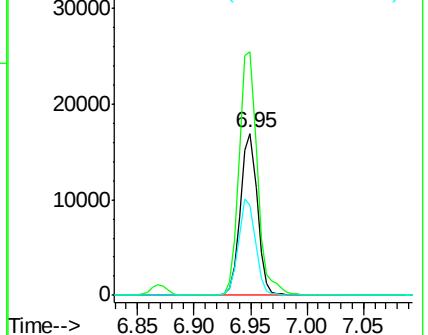
115 55.8 45.2 67.8



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: 8.51 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Tgt Ion:136 Resp: 64394

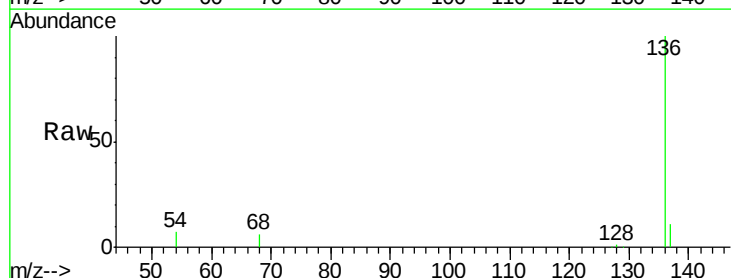
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.8 5.4 8.0

68 6.1 4.7 7.1

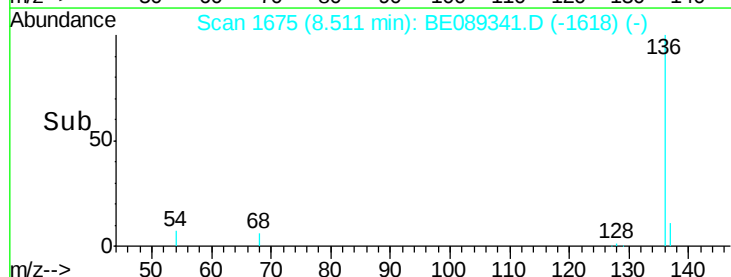
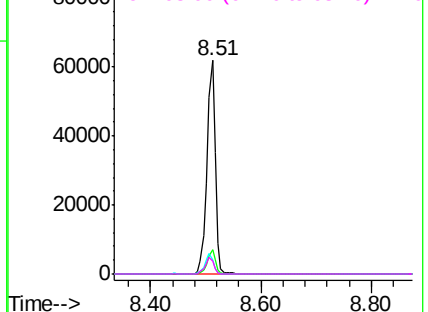


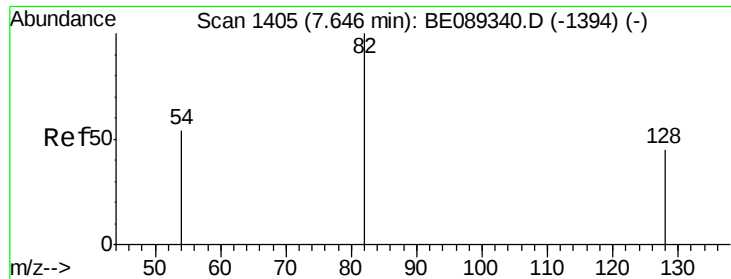
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#3

Nitrobenzene-d5

Concen: 2.36 ng

RT: 7.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002

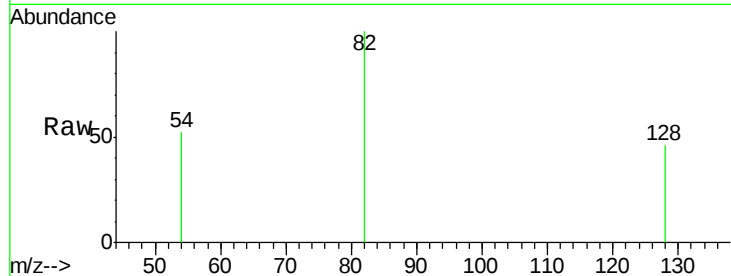
Tgt Ion: 82 Resp: 9578

Ion Ratio Lower Upper

82 100

128 46.2 36.5 54.7

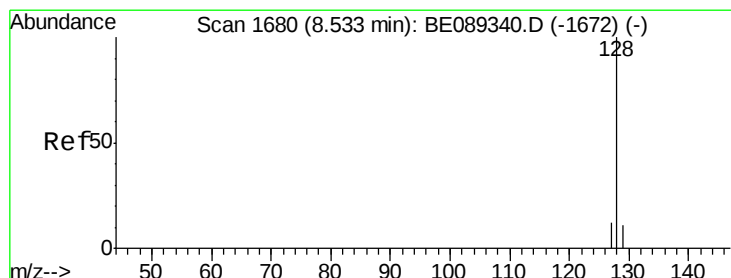
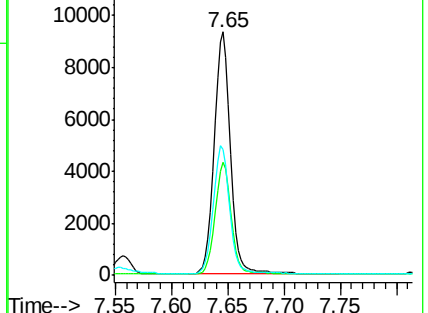
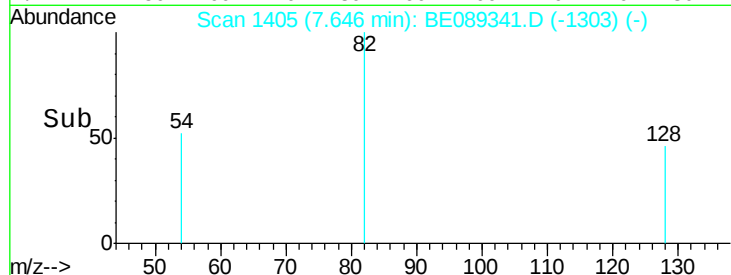
54 51.8 43.5 65.3



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#4

Naphthalene

Concen: 2.22 ng

RT: 8.53 min Scan# 1679

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

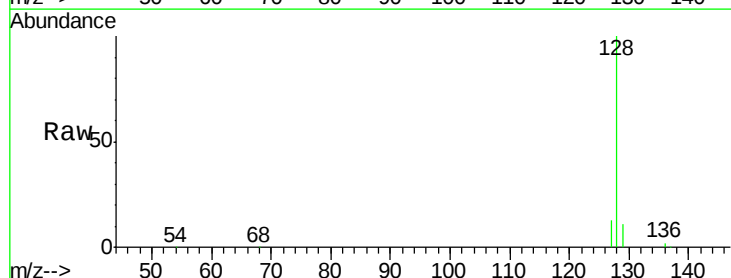
Tgt Ion: 128 Resp: 28679

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

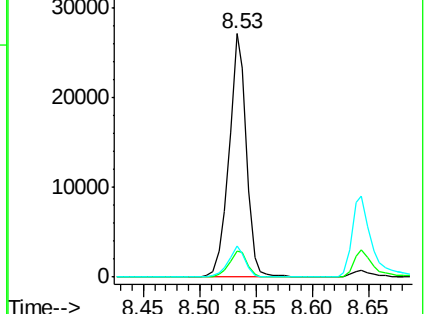
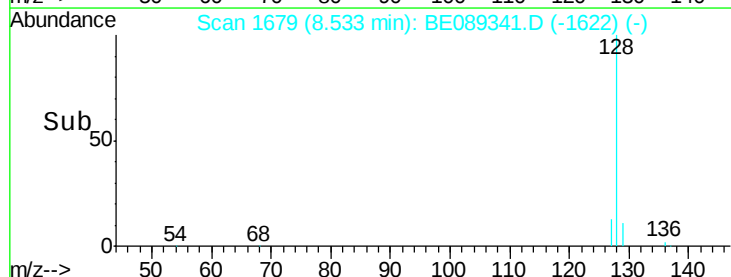
127 12.8 10.0 15.0

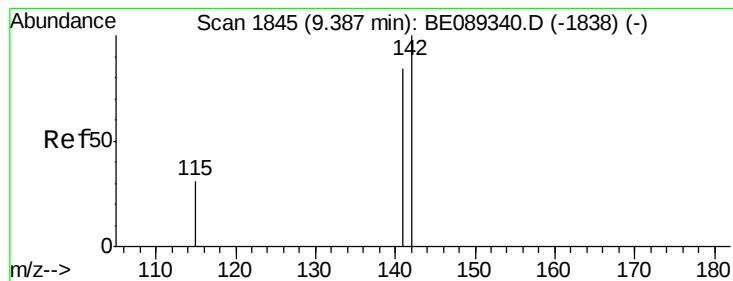


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 2.32 ng

RT: 9.39 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002

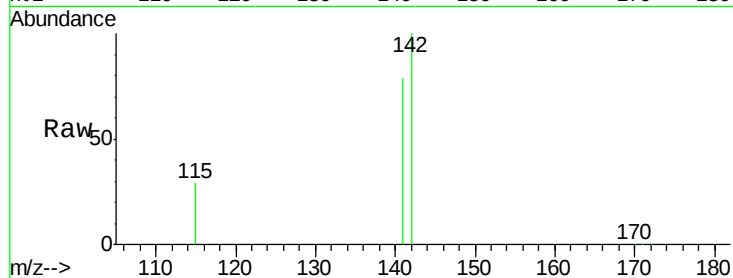
Tgt Ion:142 Resp: 17888

Ion Ratio Lower Upper

142 100

141 78.8 66.3 99.5

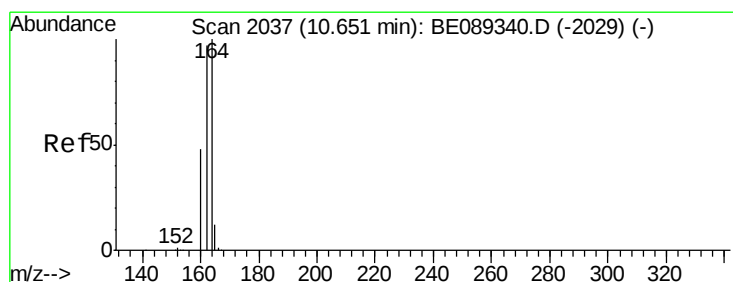
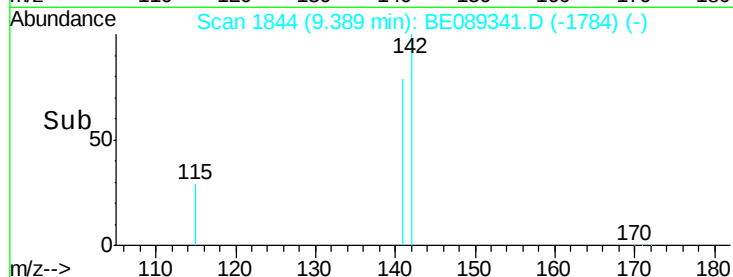
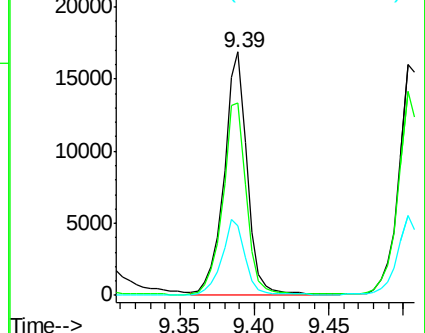
115 28.6 25.2 37.8



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: 10.65 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

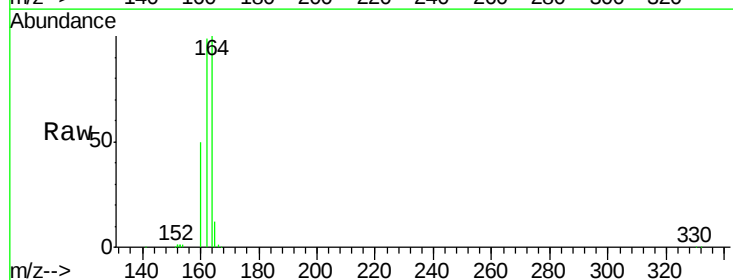
Tgt Ion:164 Resp: 29451

Ion Ratio Lower Upper

164 100

162 99.3 77.4 116.2

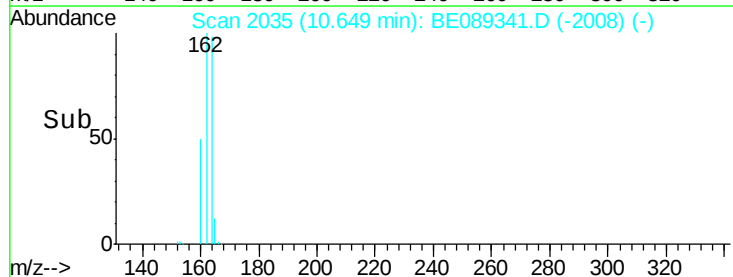
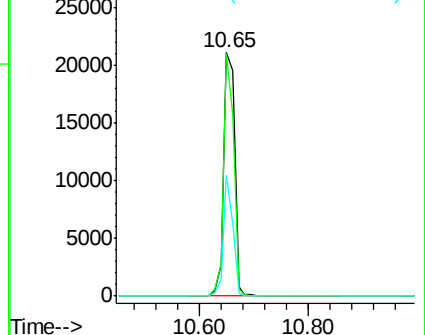
160 49.6 38.2 57.4

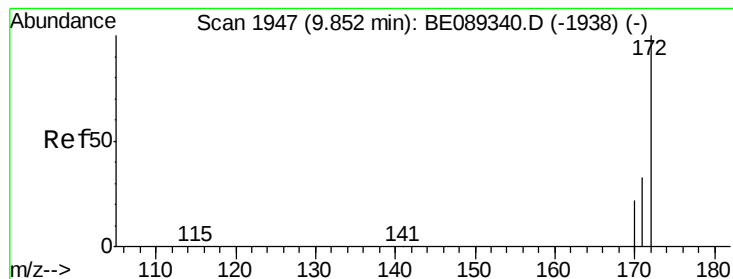


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 2.15 ng

RT: 9.85 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002

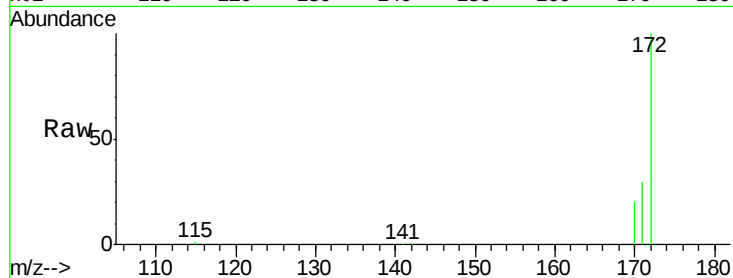
Tgt Ion:172 Resp: 16485

Ion Ratio Lower Upper

172 100

171 30.5 26.4 39.6

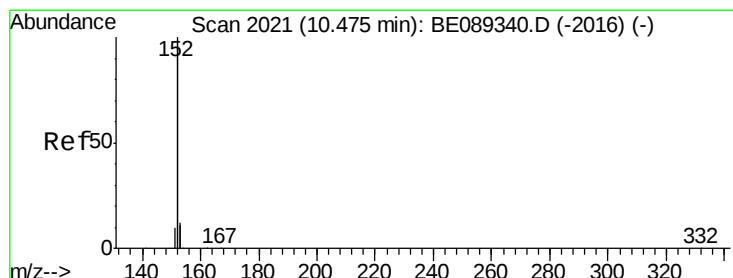
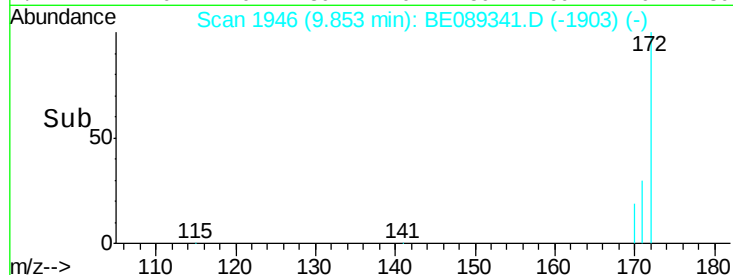
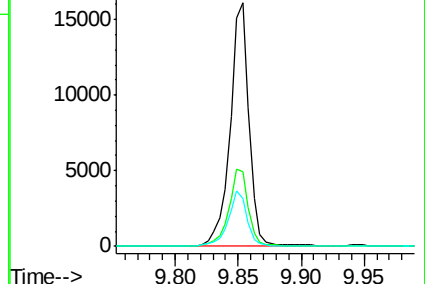
170 19.7 18.0 27.0



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: 2.42 ng

RT: 10.47 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

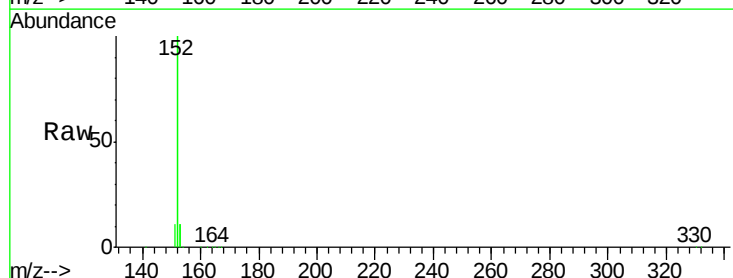
Tgt Ion:152 Resp: 101186

Ion Ratio Lower Upper

152 100

151 5.3 4.1 6.1

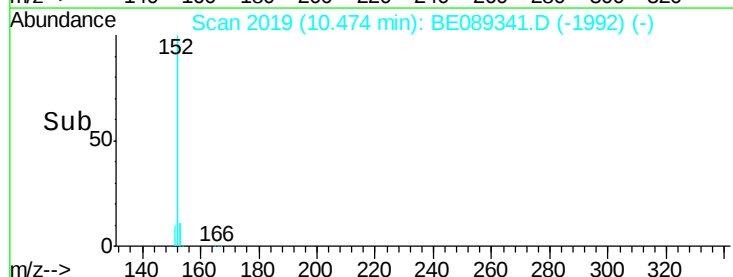
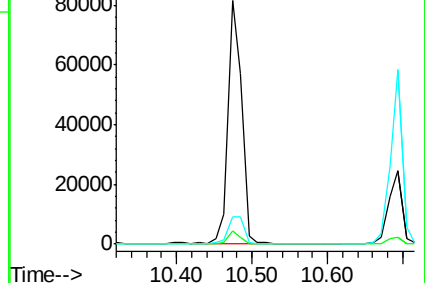
153 11.5 9.8 14.6

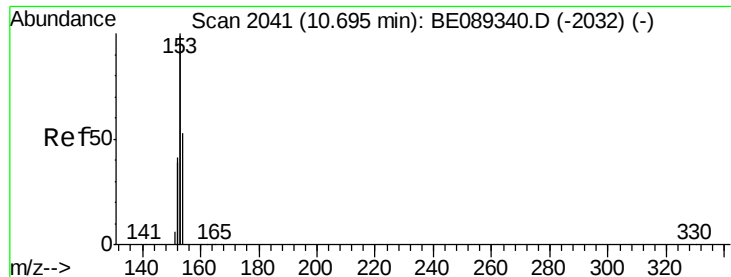


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 2.35 ng

RT: 10.69 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002

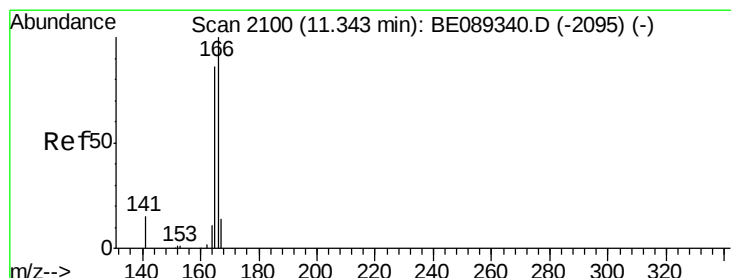
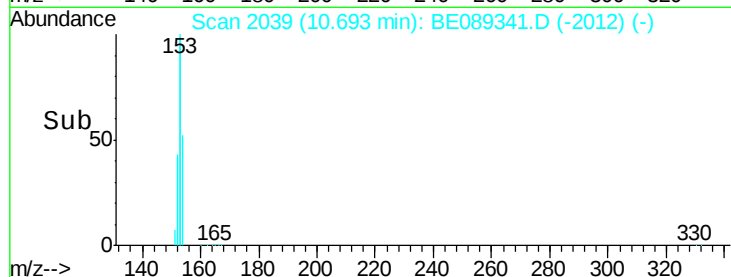
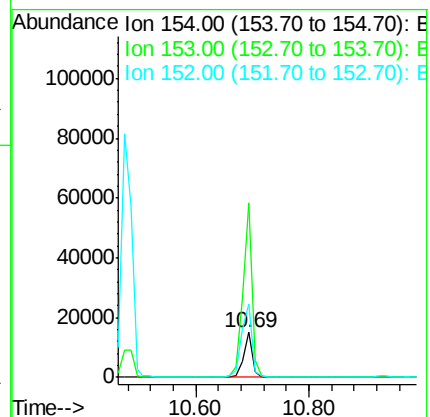
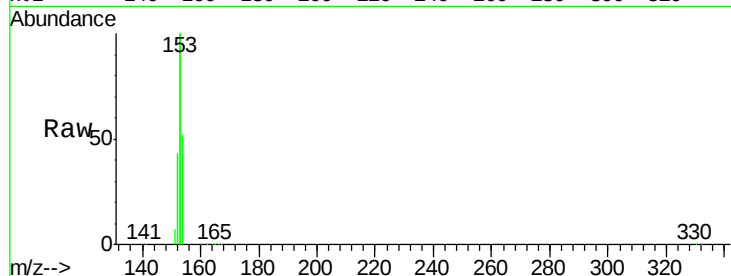
Tgt Ion:154 Resp: 15216

Ion Ratio Lower Upper

154 100

153 386.3 300.6 450.8

152 164.2 123.3 184.9



#10

Fluorene

Concen: 2.39 ng

RT: 11.34 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

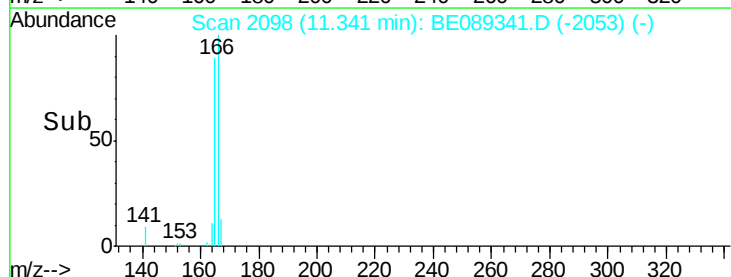
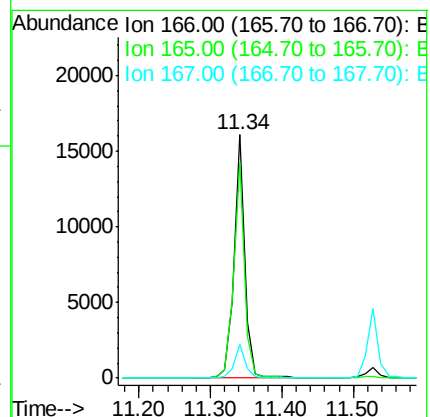
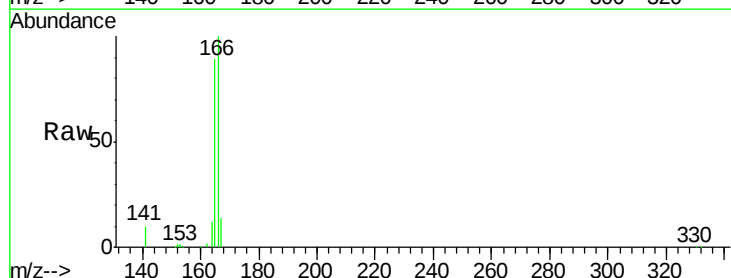
Tgt Ion:166 Resp: 16903

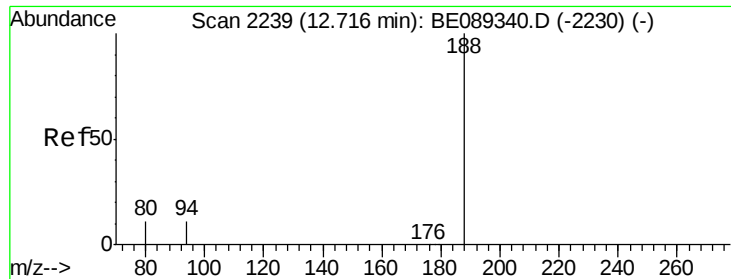
Ion Ratio Lower Upper

166 100

165 89.4 72.1 108.1

167 13.4 11.0 16.4

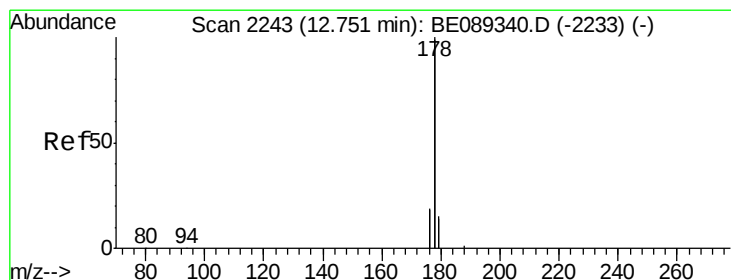
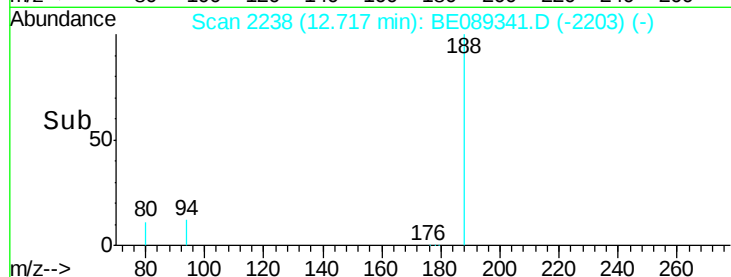
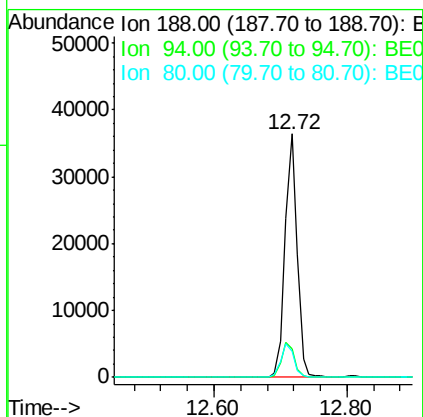
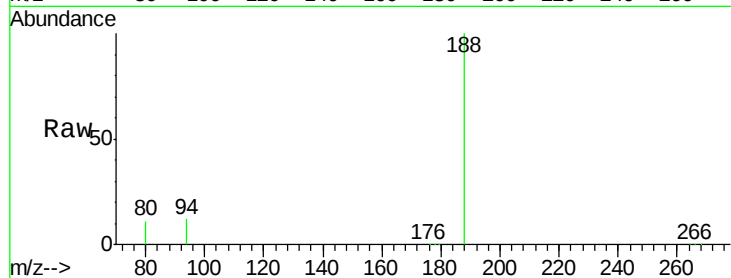




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

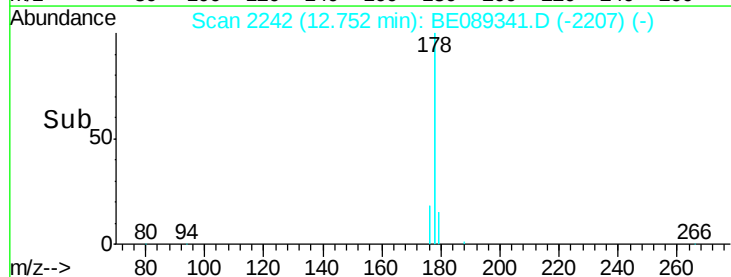
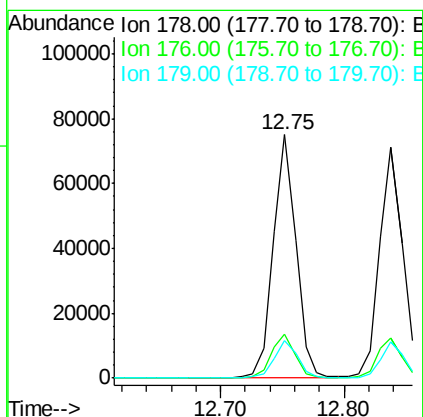
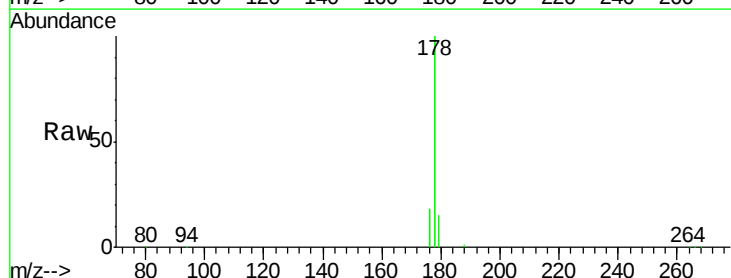
Instrument :
BNA_E
LabSampleId :
SSTDICC002

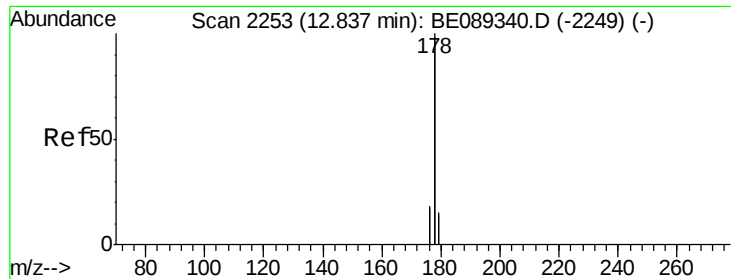
Tgt Ion:188 Resp: 45771
Ion Ratio Lower Upper
188 100
94 12.0 11.0 12.2
80 10.7 10.1 11.1



#12
Phenanthrene
Concen: 2.25 ng
RT: 12.75 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion:178 Resp: 95149
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.3 12.2 18.2





#13

Anthracene

Concen: 2.44 ng

RT: 12.84 min Scan# 2252

Delta R.T. 0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002

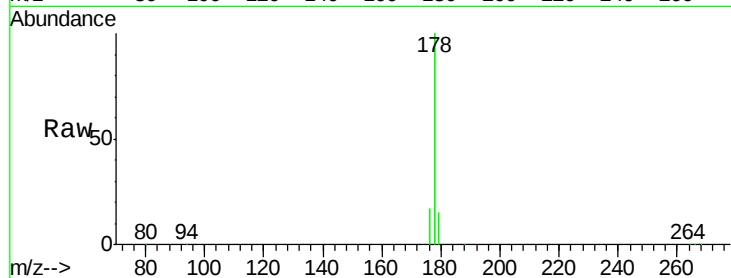
Tgt Ion:178 Resp: 94734

Ion Ratio Lower Upper

178 100

176 17.4 14.7 22.1

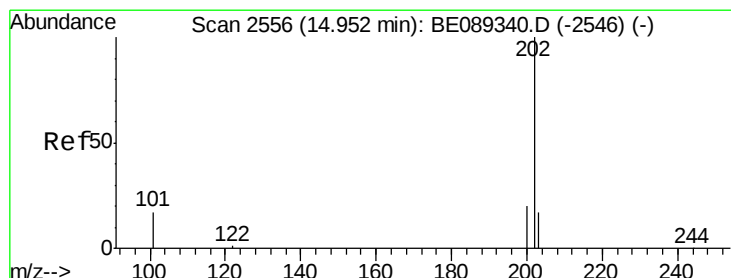
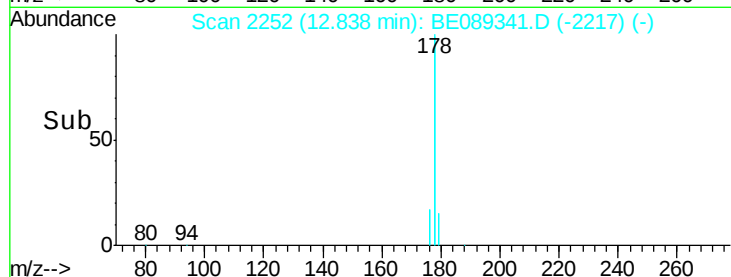
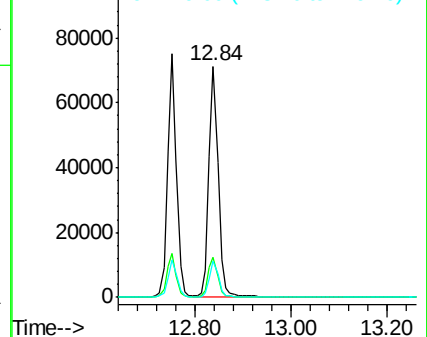
179 15.4 12.0 18.0



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

Fluoranthene

Concen: 2.37 ng

RT: 14.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

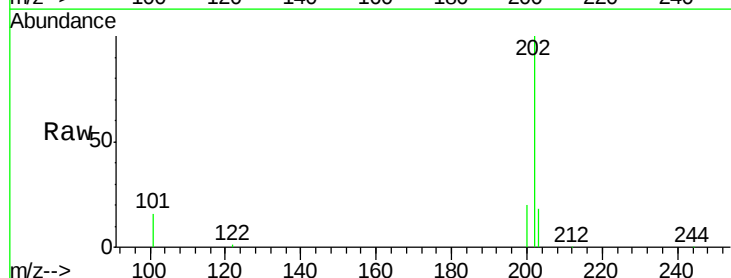
Tgt Ion:202 Resp: 21657

Ion Ratio Lower Upper

202 100

101 16.4 0.0 37.9

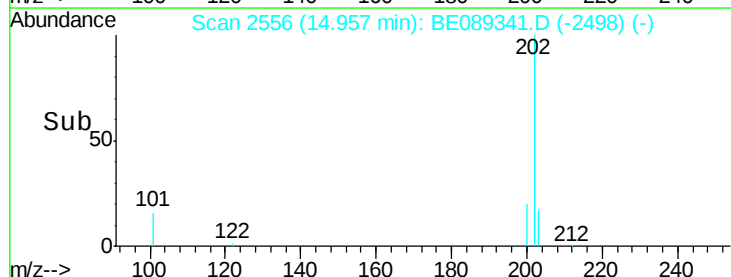
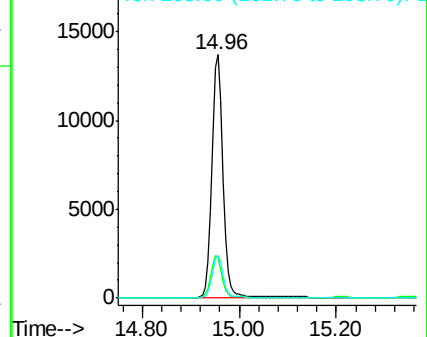
203 17.6 0.0 37.5

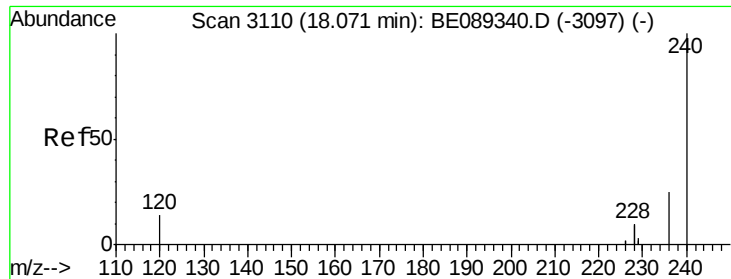


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

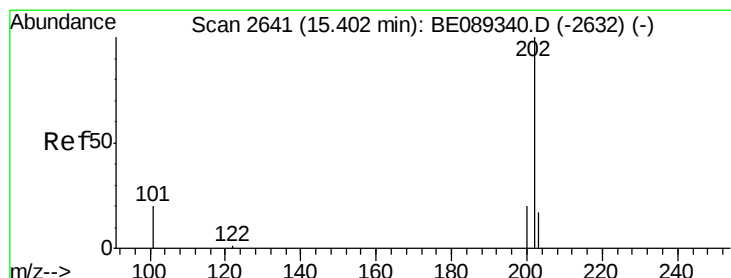
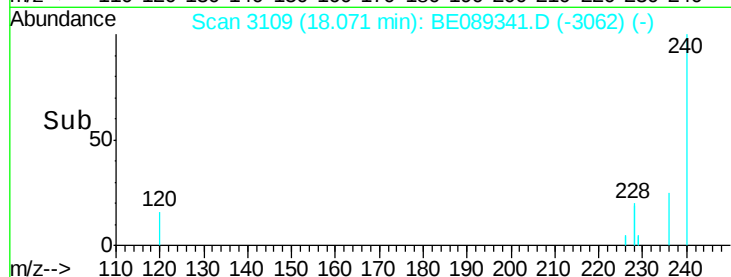
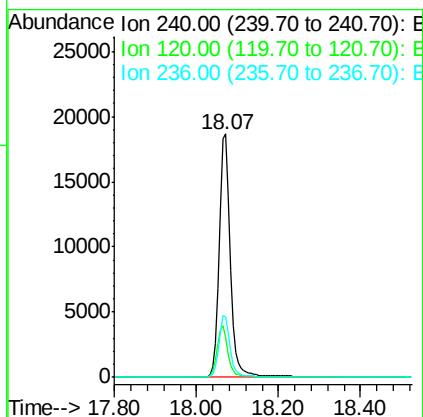
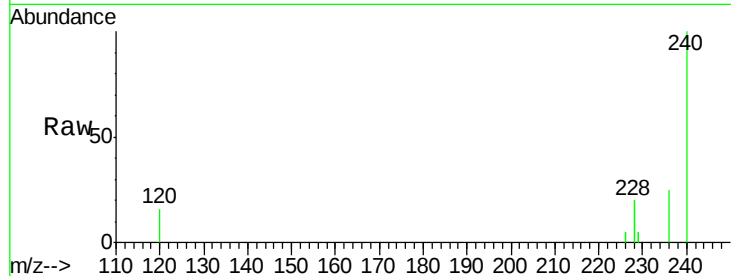




#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

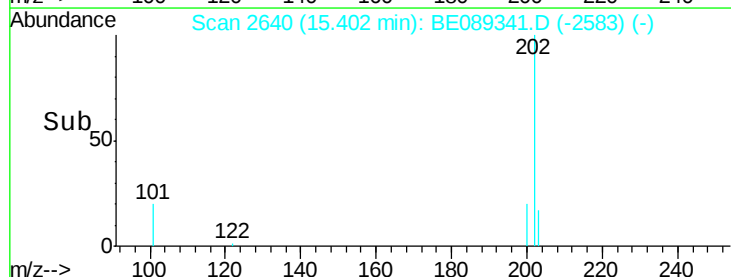
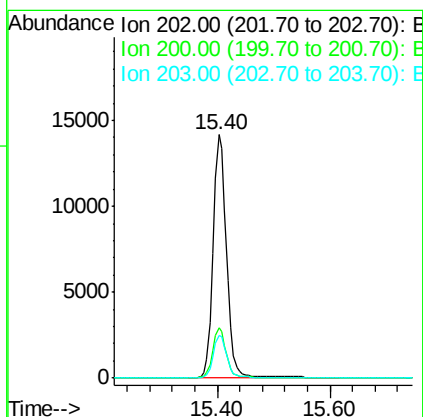
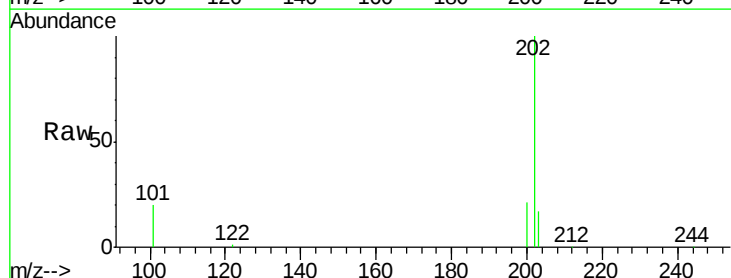
Instrument :
BNA_E
LabSampleId :
SSTDIC002

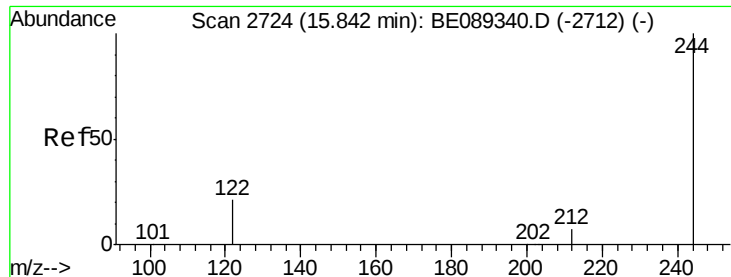
Tgt Ion:240 Resp: 35497
Ion Ratio Lower Upper
240 100
120 16.5 11.8 17.6
236 25.1 20.0 30.0



#16
Pyrene
Concen: 2.65 ng
RT: 15.40 min Scan# 2640
Delta R.T. -0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion:202 Resp: 22995
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 17.3 14.0 21.0

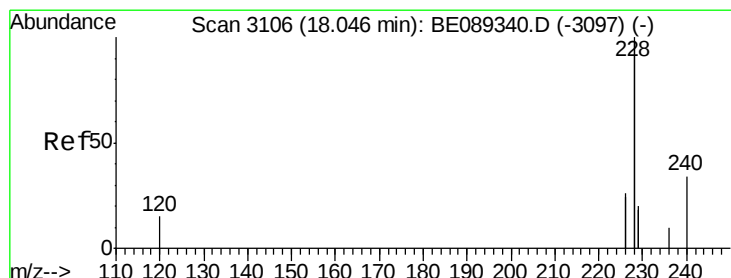
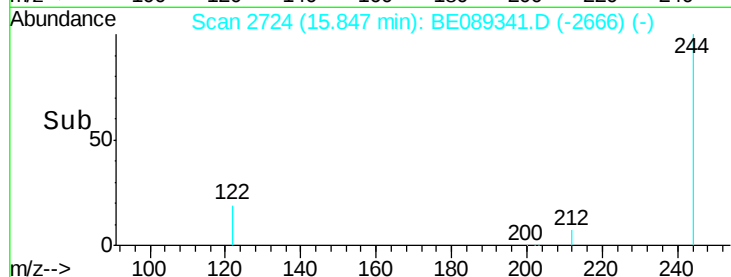
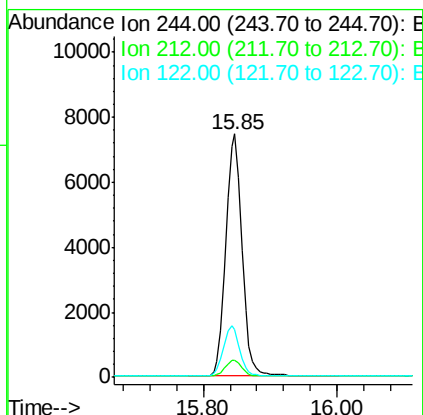
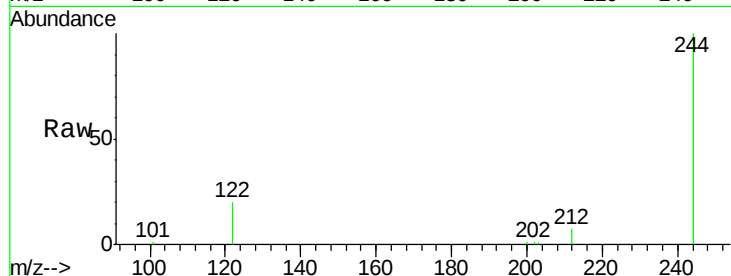




#17
 Terphenyl-d14
 Concen: 2.40 ng
 RT: 15.85 min Scan# 2724
 Delta R.T. 0.01 min
 Lab File: BE089341.D
 Acq: 7 Jan 2015 22:38

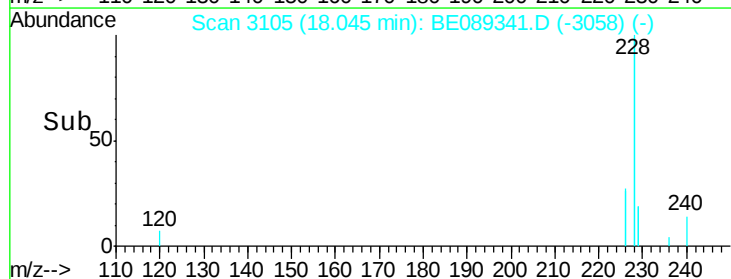
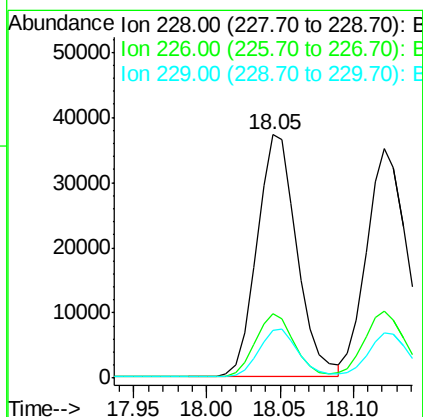
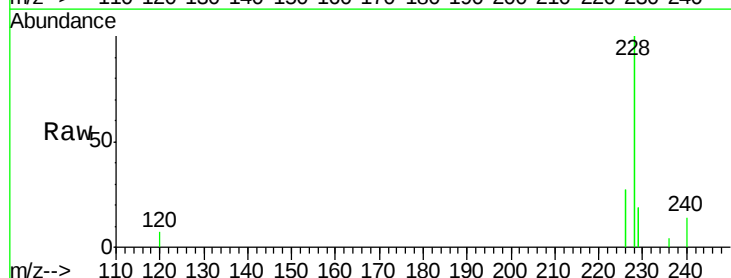
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

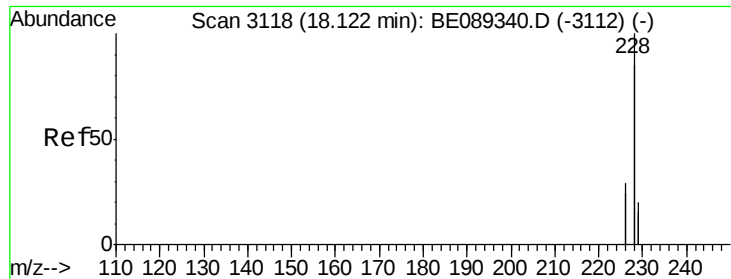
Tgt Ion: 244 Resp: 12563
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.3 9.5
 122 19.5 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 2.42 ng
 RT: 18.05 min Scan# 3105
 Delta R.T. -0.00 min
 Lab File: BE089341.D
 Acq: 7 Jan 2015 22:38

Tgt Ion: 228 Resp: 70826
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.0 31.6
 229 19.5 16.0 24.0





#19

Chrysene

Concen: 2.37 ng

RT: 18.12 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002

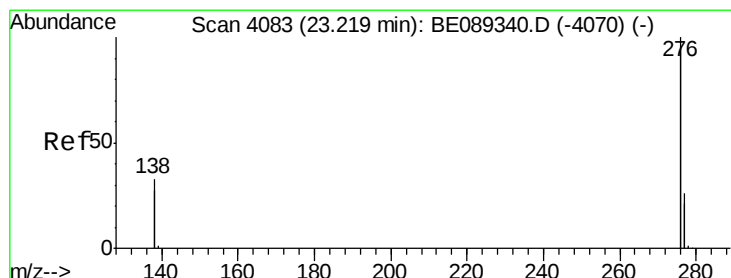
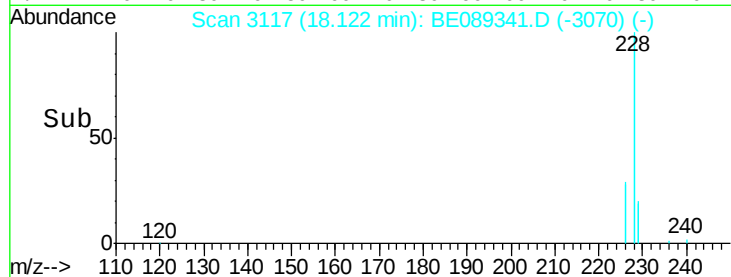
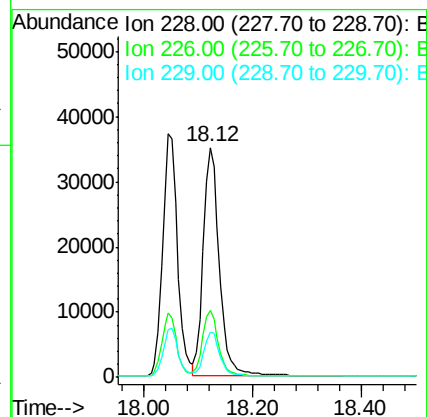
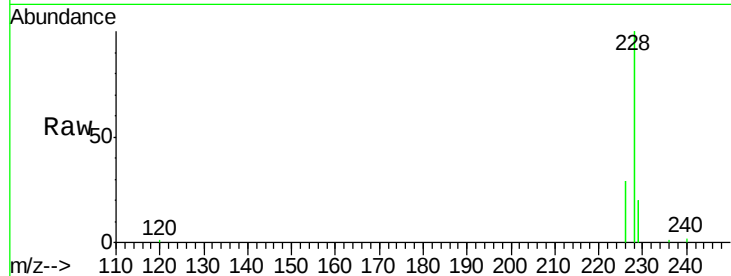
Tgt Ion:228 Resp: 71867

Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

229 19.5 16.1 24.1



#20

Indeno(1,2,3-cd)pyrene

Concen: 1.62 ng

RT: 23.21 min Scan# 4081

Delta R.T. -0.01 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

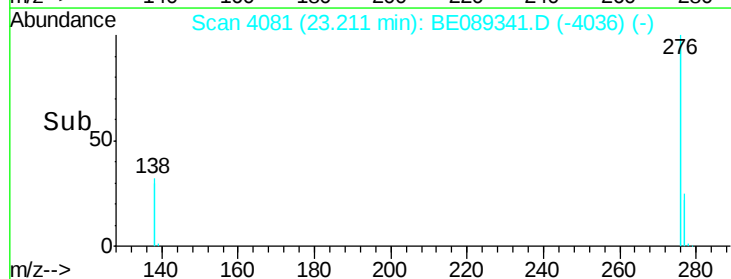
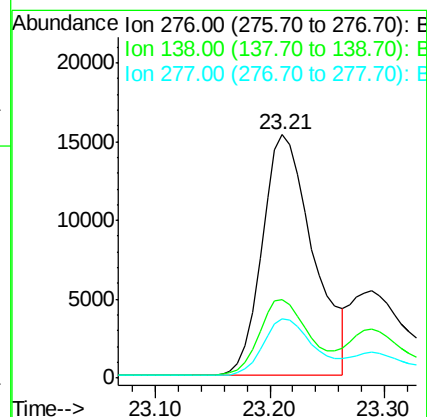
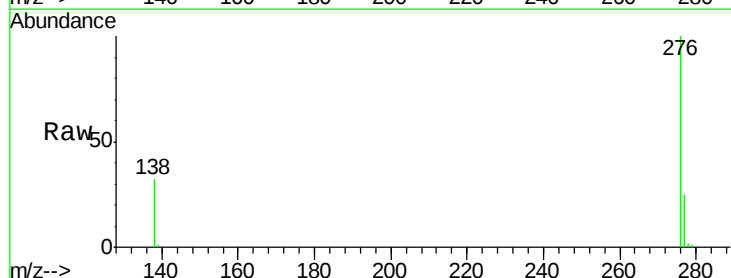
Tgt Ion:276 Resp: 47377

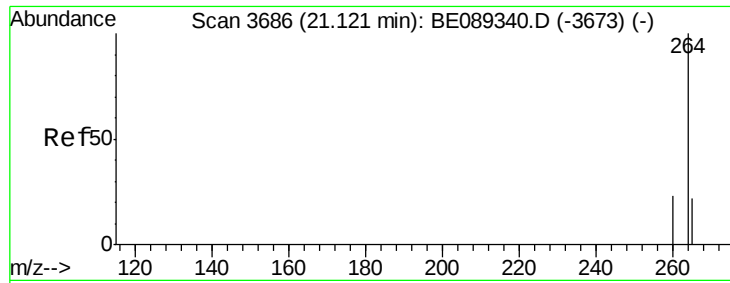
Ion Ratio Lower Upper

276 100

138 31.1 23.8 35.8

277 23.7 18.2 27.4

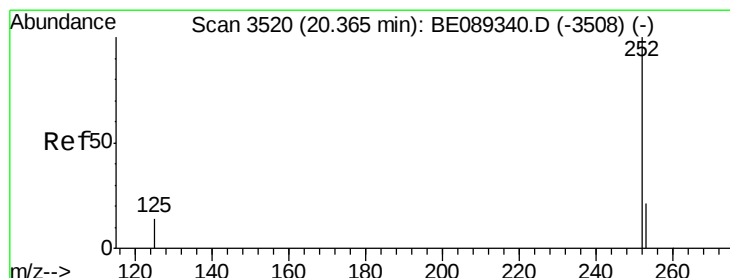
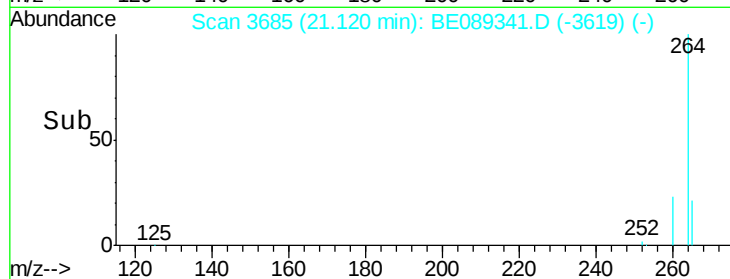
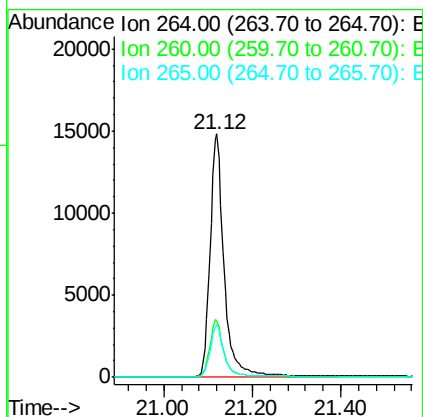
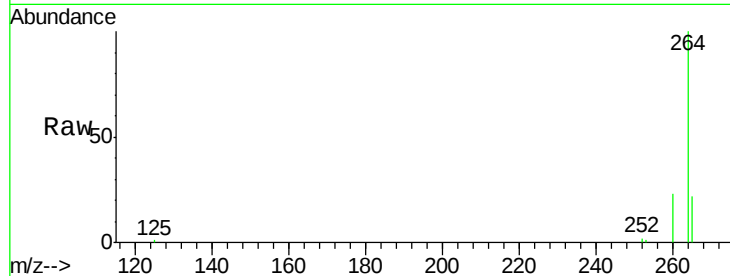




#21
Perylene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 3685
Delta R.T. -0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

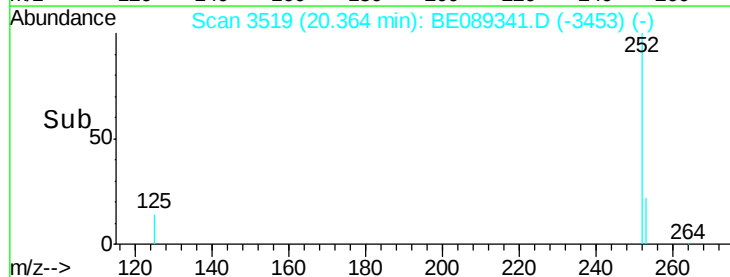
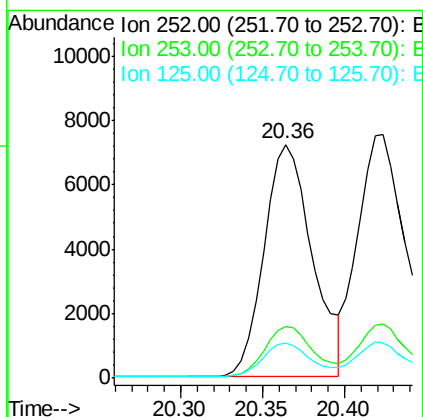
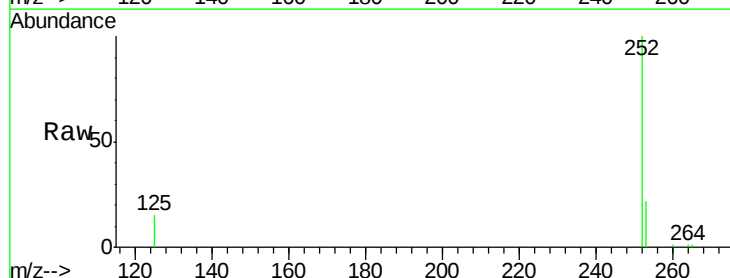
Instrument :
BNA_E
LabSampleId :
SSTDIC002

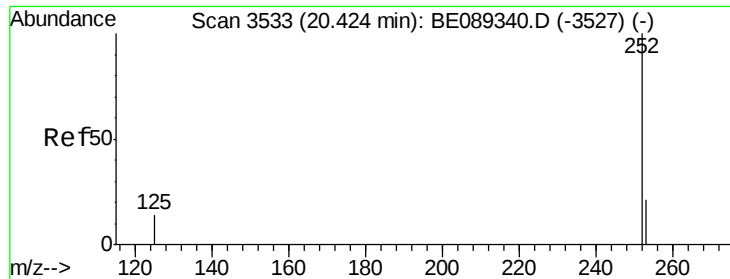
Tgt Ion:264 Resp: 32467
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 21.7 17.4 26.2



#22
Benzo(b)fluoranthene
Concen: 2.30 ng
RT: 20.36 min Scan# 3519
Delta R.T. -0.00 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion:252 Resp: 14818
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 14.9 12.6 18.8





#23

Benzo(k)fluoranthene

Concen: 2.16 ng

RT: 20.42 min Scan# 3532

Delta R.T. -0.00 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

Instrument :

BNA_E

LabSampleId :

SSTDICC002

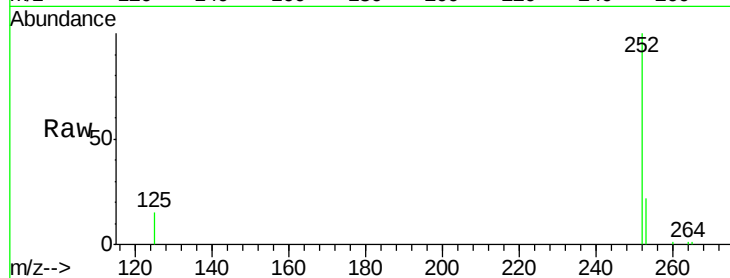
Tgt Ion:252 Resp: 17940

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

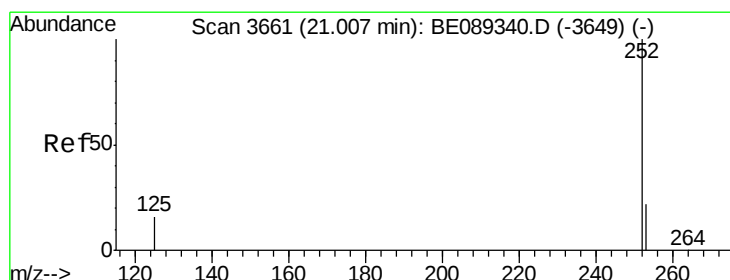
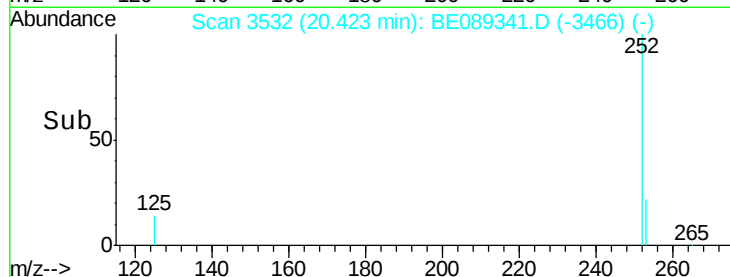
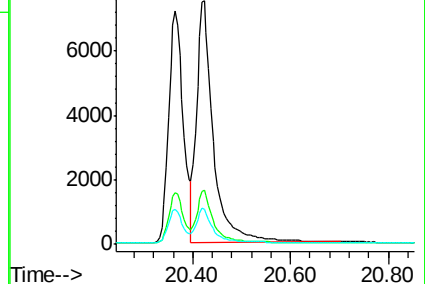
125 14.6 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Benzo(a)pyrene

Concen: 2.36 ng

RT: 21.00 min Scan# 3659

Delta R.T. -0.01 min

Lab File: BE089341.D

Acq: 7 Jan 2015 22:38

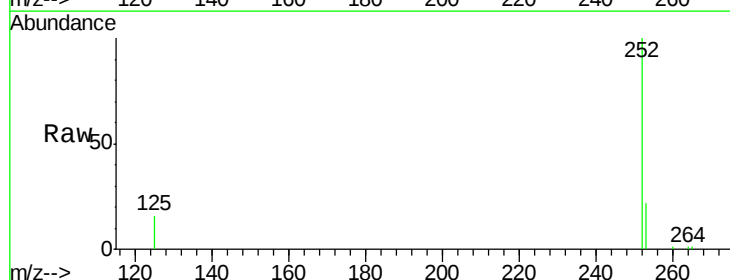
Tgt Ion:252 Resp: 14427

Ion Ratio Lower Upper

252 100

253 21.8 18.3 27.5

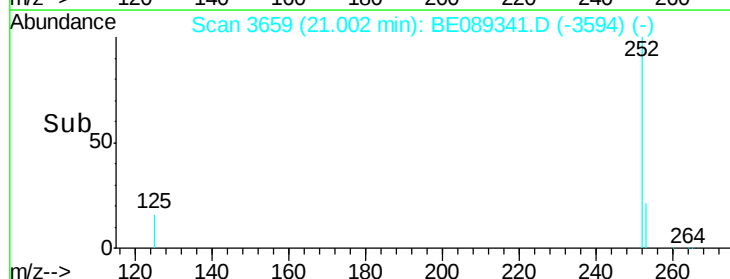
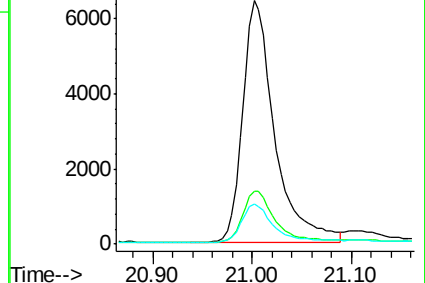
125 16.2 13.8 20.8

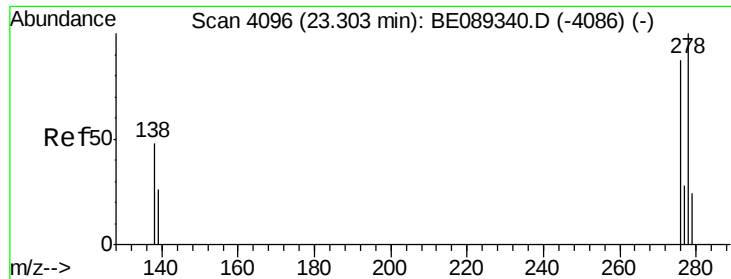


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



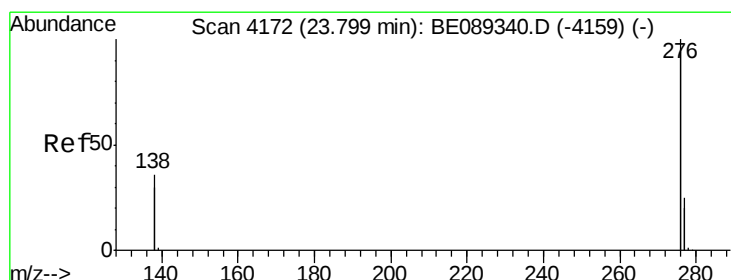
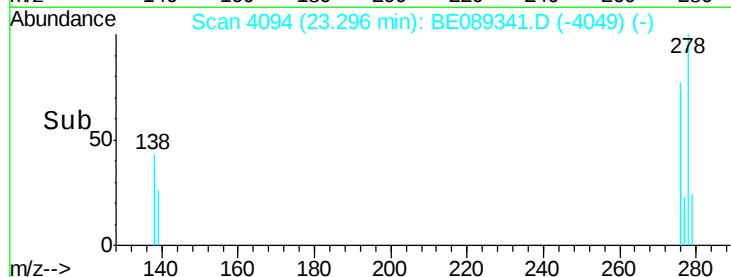
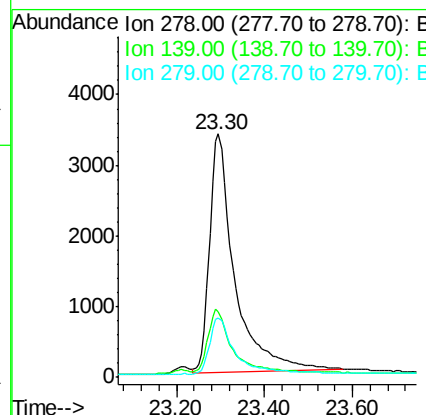
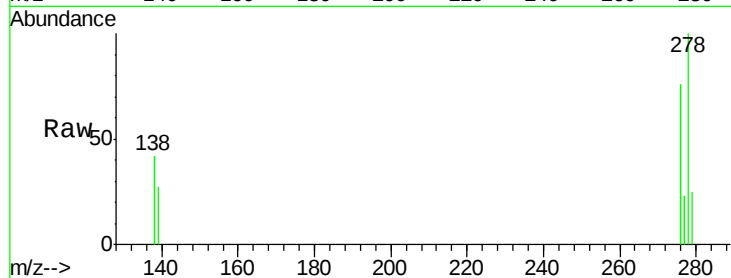


#25
Dibenzo(a,h)anthracene
Concen: 2.07 ng
RT: 23.30 min Scan# 4094
Delta R.T. -0.01 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Instrument :
BNA_E
LabSampleId :
SSTDICC002

Tgt Ion: 278 Resp: 13344

Ion	Ratio	Lower	Upper
278	100		
139	26.9	22.9	34.3
279	24.5	20.8	31.2



#26
Benzo(g,h,i)perylene
Concen: 2.26 ng
RT: 23.79 min Scan# 4170
Delta R.T. -0.01 min
Lab File: BE089341.D
Acq: 7 Jan 2015 22:38

Tgt Ion: 276 Resp: 65818

Ion	Ratio	Lower	Upper
276	100		
277	24.2	20.0	30.0
138	35.0	28.5	42.7

