

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089342.D
 Acq On : 7 Jan 2015 23:11
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Quant Time: Jan 08 05:29:22 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

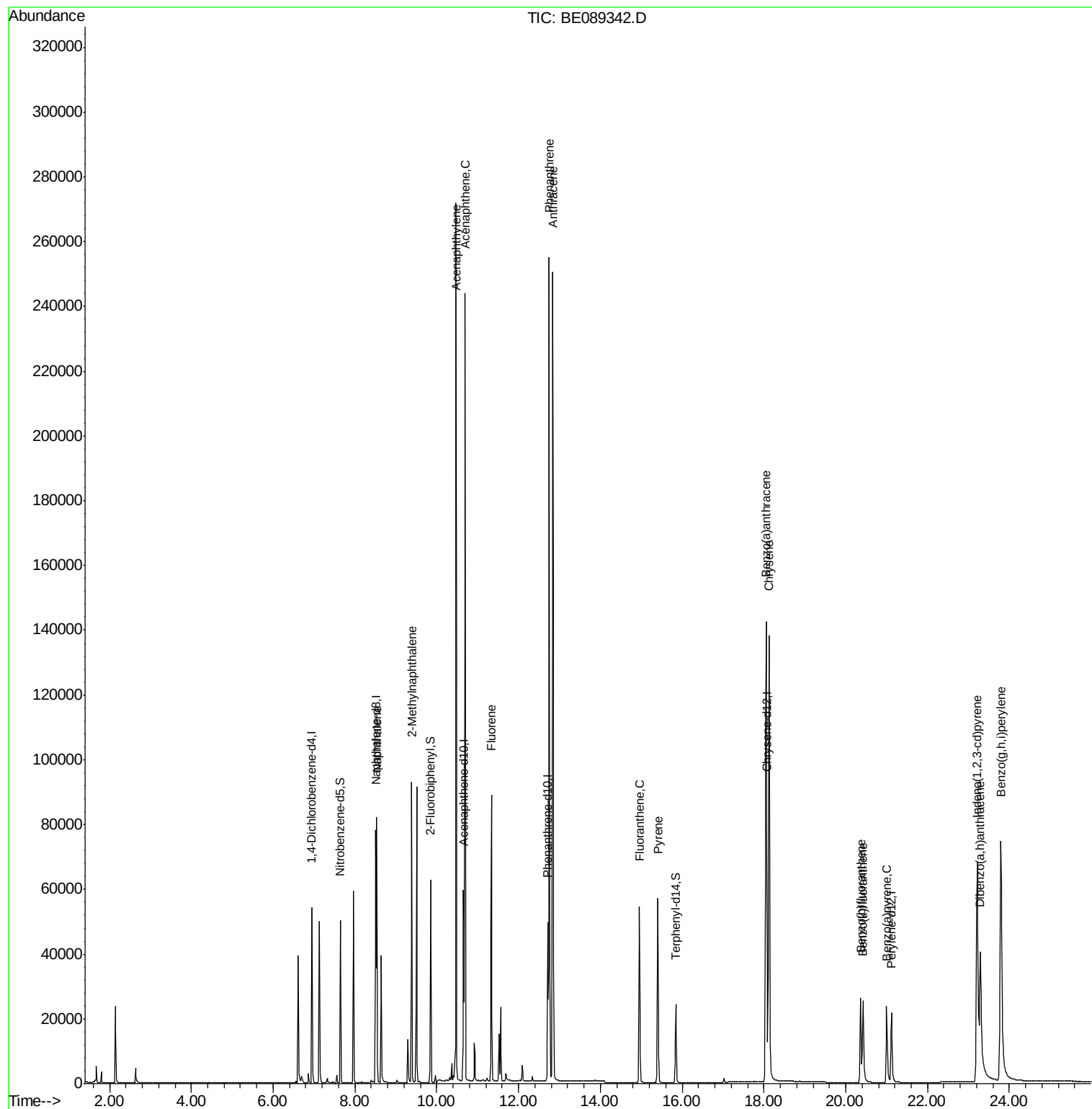
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	17616	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	67455	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	31224	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	49294	5.00	ng	0.00
15) Chrysene-d12	18.07	240	36087	5.00	ng	0.00
21) Perylene-d12	21.12	264	31984	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	25033	5.89	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	41194	5.07	ng	0.00
17) Terphenyl-d14	15.84	244	31423	5.90	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.53	128	72353	5.35	ng	100
5) 2-Methylnaphthalene	9.39	142	45652	5.64	ng	98
8) Acenaphthylene	10.47	152	260636	5.89	ng	99
9) Acenaphthene	10.69	154	39016	5.68	ng	99
10) Fluorene	11.34	166	43978	5.86	ng	99
12) Phenanthrene	12.75	178	244433	5.36	ng	99
13) Anthracene	12.84	178	245069	5.87	ng	100
14) Fluoranthene	14.95	202	55274	5.63	ng	99
16) Pyrene	15.40	202	58358	6.61	ng	100
18) Benzo(a)anthracene	18.05	228	178870	6.01	ng	99
19) Chrysene	18.12	228	176539	5.72	ng	99
20) Indeno(1,2,3-cd)pyrene	23.21	276	122951	4.15	ng	98
22) Benzo(b)fluoranthene	20.36	252	36926	5.81	ng	98
23) Benzo(k)fluoranthene	20.42	252	44221	5.40	ng	98
24) Benzo(a)pyrene	21.00	252	36471	6.06	ng	97
25) Dibenzo(a,h)anthracene	23.29	278	33958	5.36	ng	97
26) Benzo(g,h,i)perylene	23.79	276	163200	5.70	ng	98

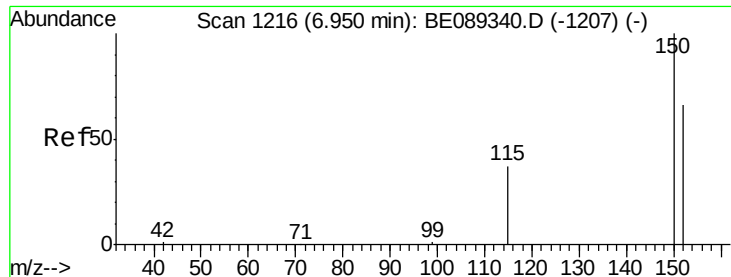
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDIC005

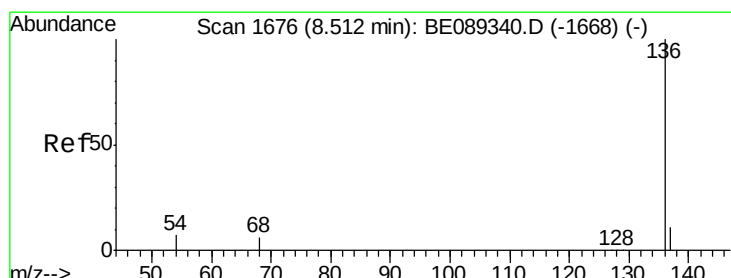
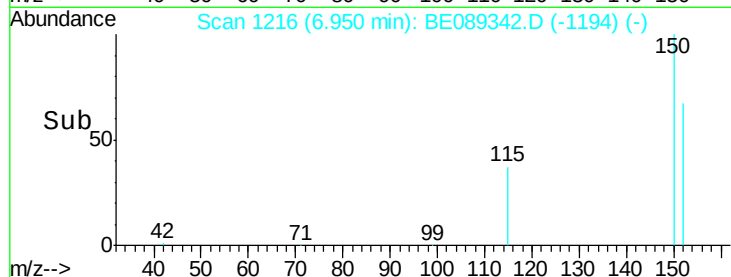
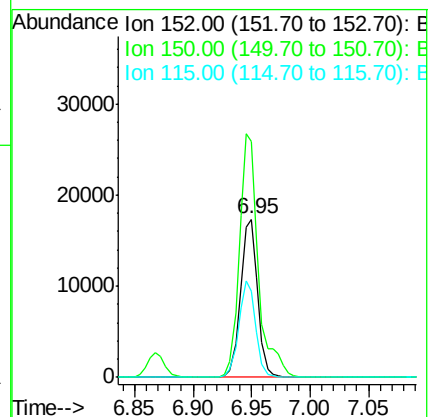
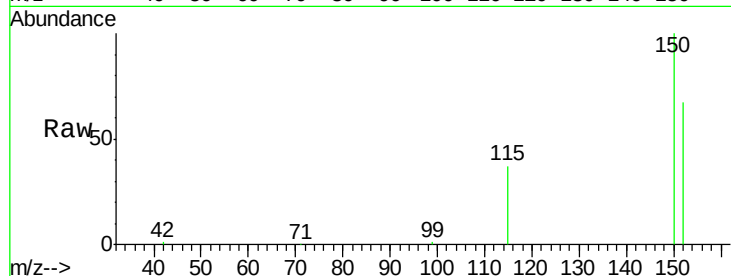
Tgt Ion:152 Resp: 17616

Ion Ratio Lower Upper

152 100

150 148.9 121.5 182.3

115 54.7 45.2 67.8



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Tgt Ion:136 Resp: 67455

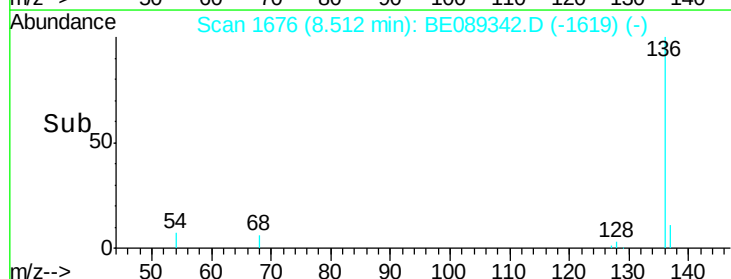
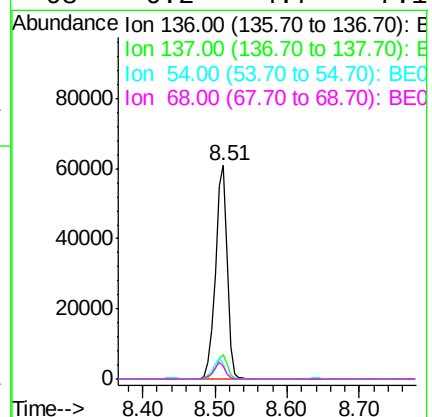
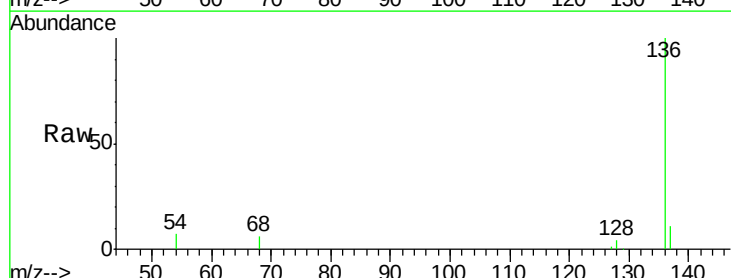
Ion Ratio Lower Upper

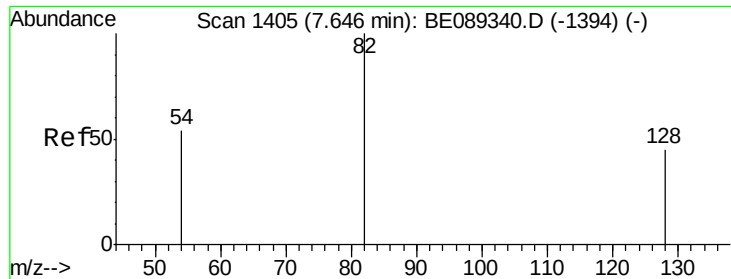
136 100

137 11.2 9.0 13.4

54 6.9 5.4 8.0

68 6.2 4.7 7.1





#3

Nitrobenzene-d5

Concen: 5.89 ng

RT: 7.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDIC005

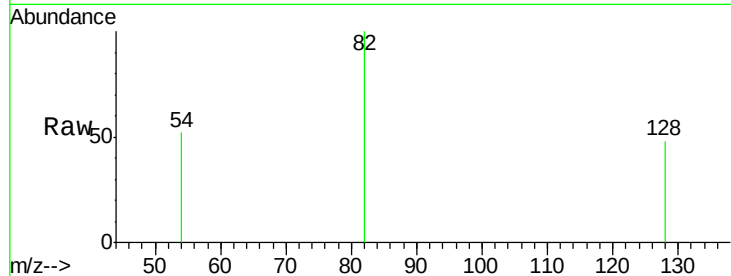
Tgt Ion: 82 Resp: 25033

Ion Ratio Lower Upper

82 100

128 47.9 36.5 54.7

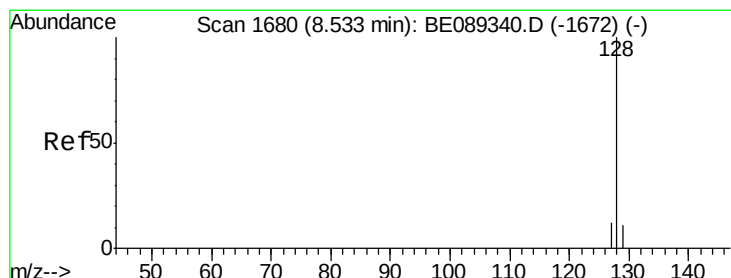
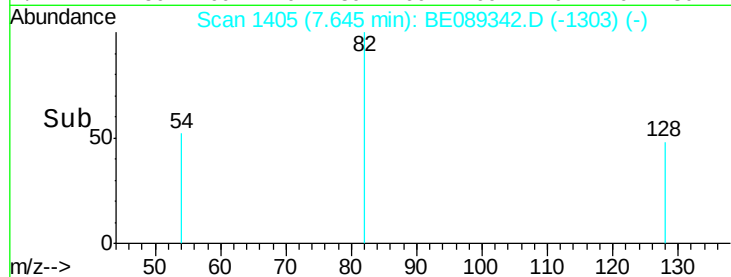
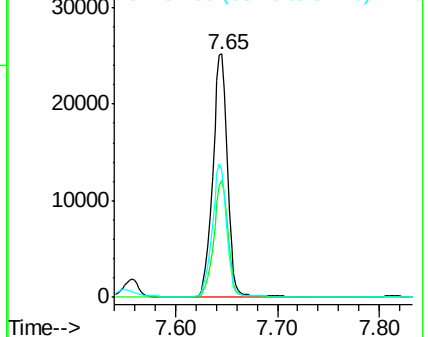
54 52.1 43.5 65.3



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: 5.35 ng

RT: 8.53 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

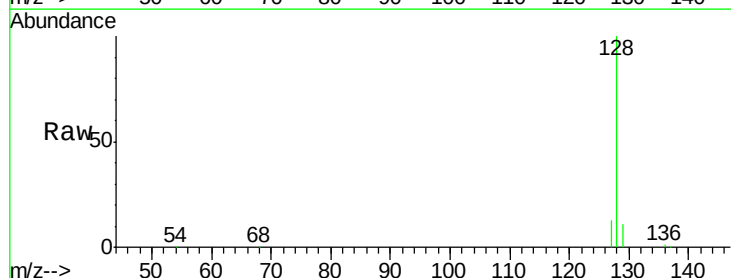
Tgt Ion: 128 Resp: 72353

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

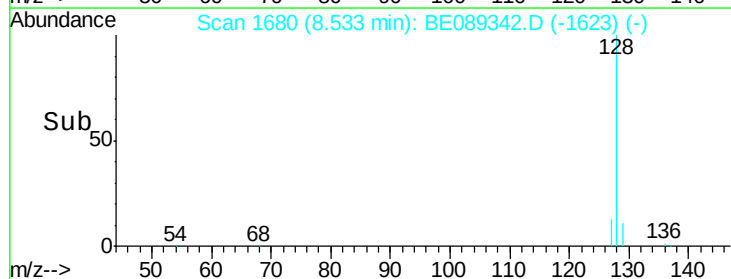
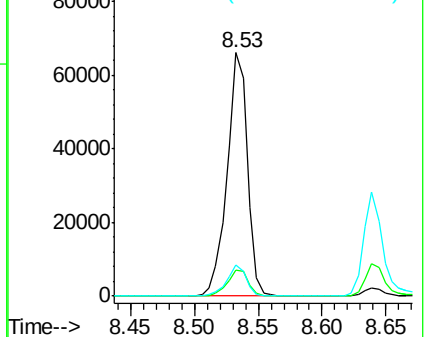
127 12.6 10.0 15.0

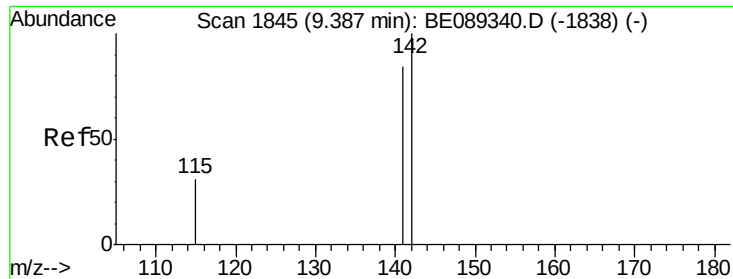


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 5.64 ng

RT: 9.39 min Scan# 1845

Delta R.T. -0.00 min

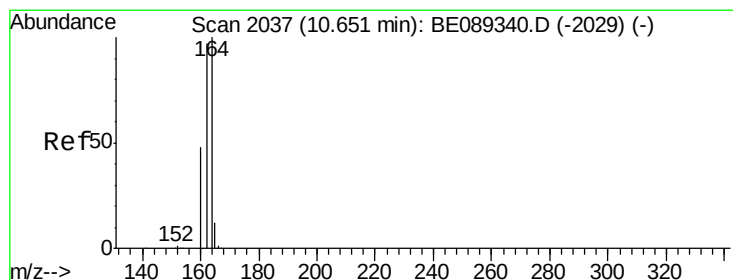
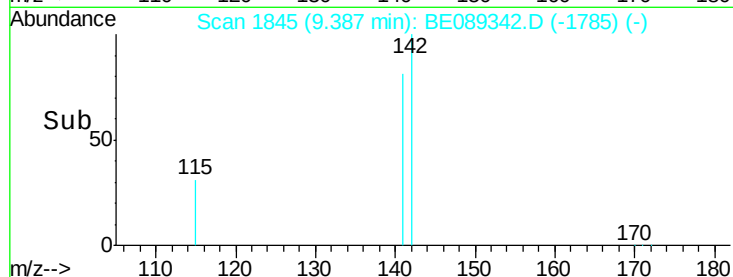
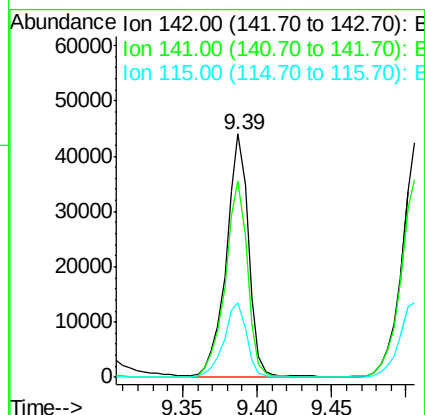
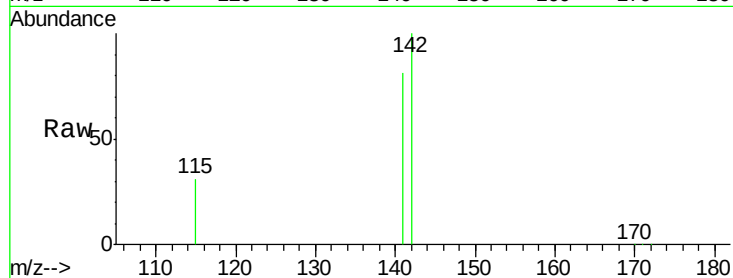
Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion:142 Resp: 45652

Ion	Ratio	Lower	Upper
142	100		
141	80.7	66.3	99.5
115	30.7	25.2	37.8



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.65 min Scan# 2037

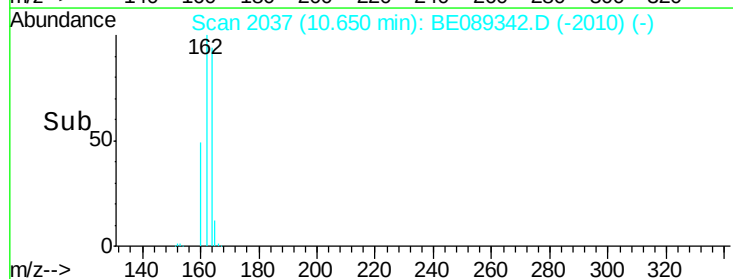
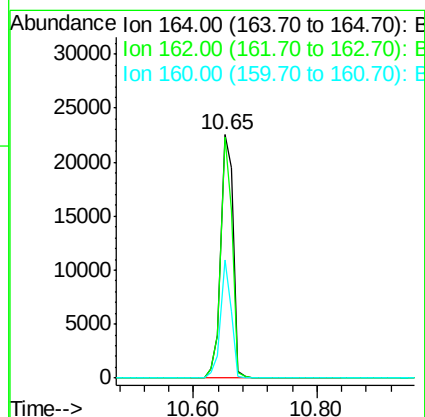
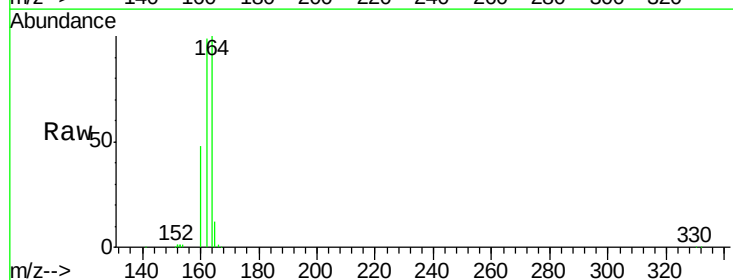
Delta R.T. -0.00 min

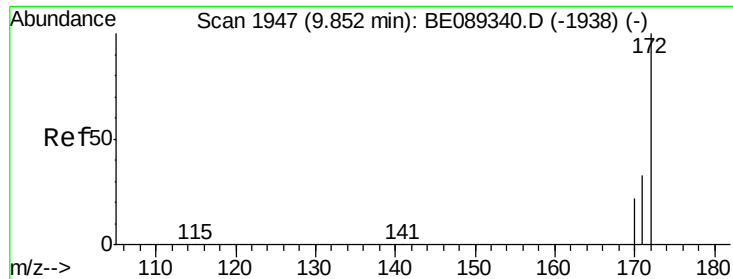
Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Tgt Ion:164 Resp: 31224

Ion	Ratio	Lower	Upper
164	100		
162	99.1	77.4	116.2
160	48.5	38.2	57.4





#7

2-Fluorobiphenyl

Concen: 5.07 ng

RT: 9.85 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDIC005

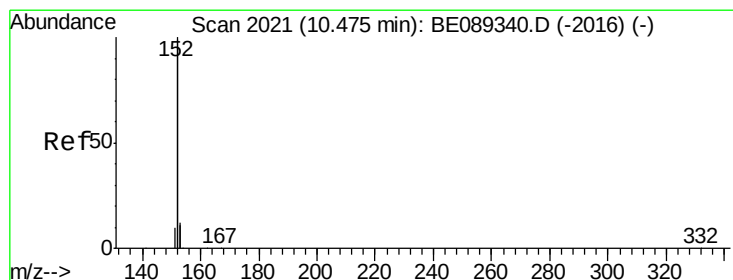
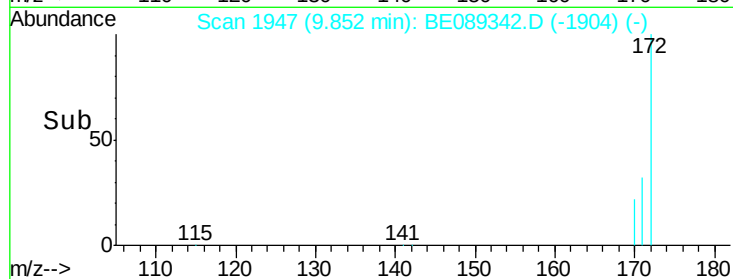
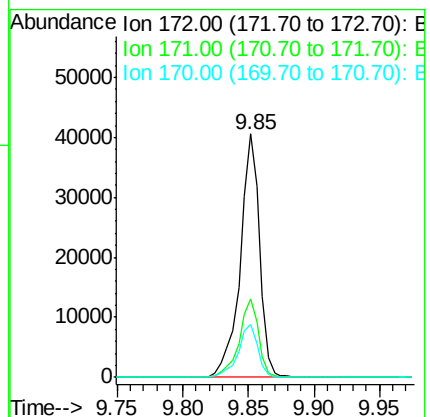
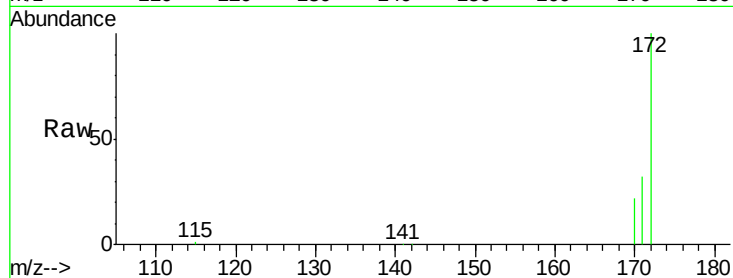
Tgt Ion:172 Resp: 41194

Ion Ratio Lower Upper

172 100

171 32.3 26.4 39.6

170 21.7 18.0 27.0



#8

Acenaphthylene

Concen: 5.89 ng

RT: 10.47 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

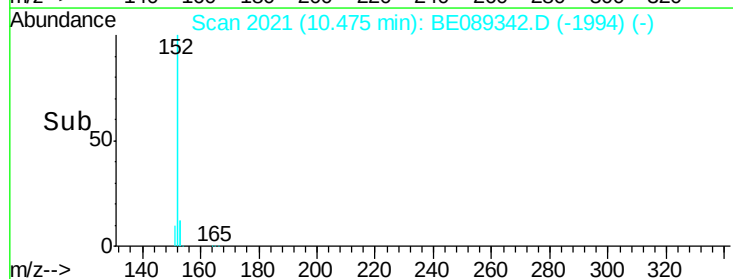
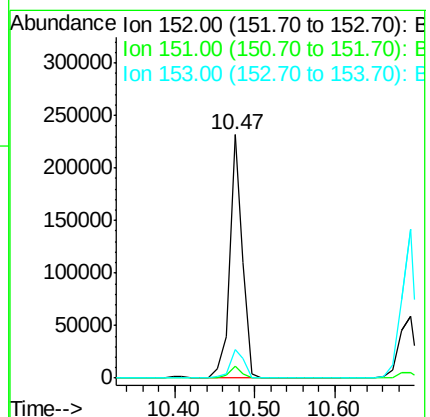
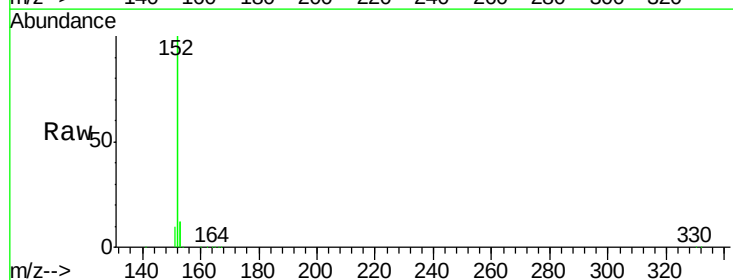
Tgt Ion:152 Resp: 260636

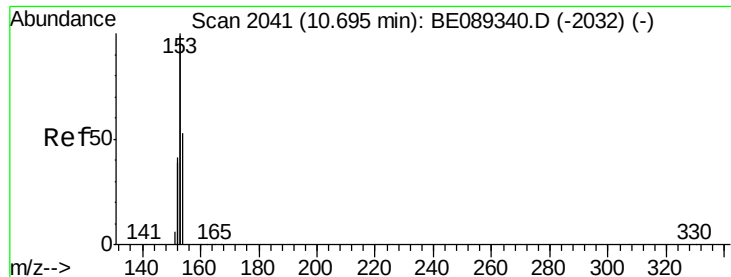
Ion Ratio Lower Upper

152 100

151 5.0 4.1 6.1

153 11.9 9.8 14.6





#9

Acenaphthene

Concen: 5.68 ng

RT: 10.69 min Scan# 2041

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDIC005

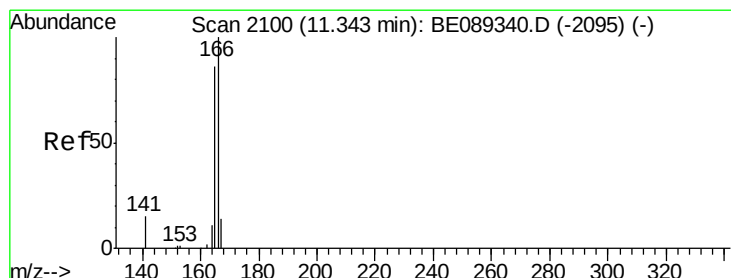
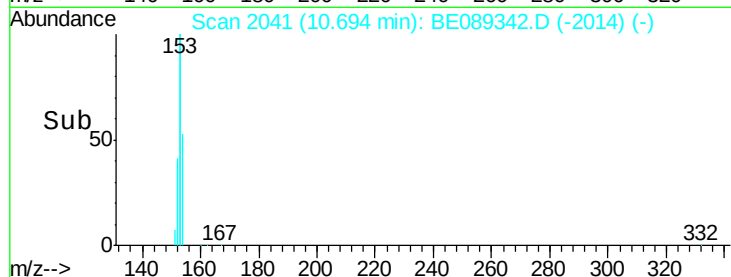
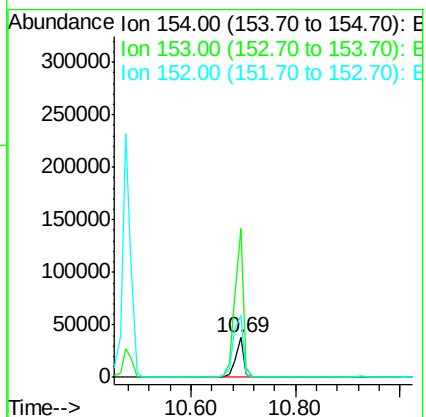
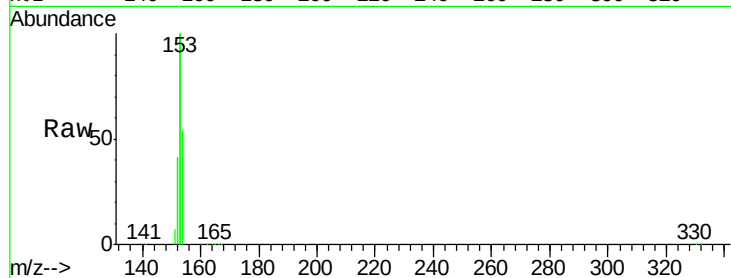
Tgt Ion:154 Resp: 39016

Ion Ratio Lower Upper

154 100

153 373.8 300.6 450.8

152 154.7 123.3 184.9



#10

Fluorene

Concen: 5.86 ng

RT: 11.34 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

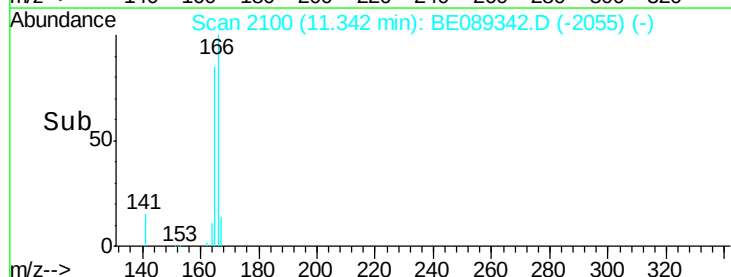
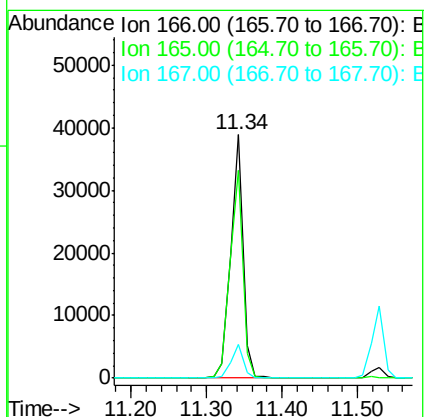
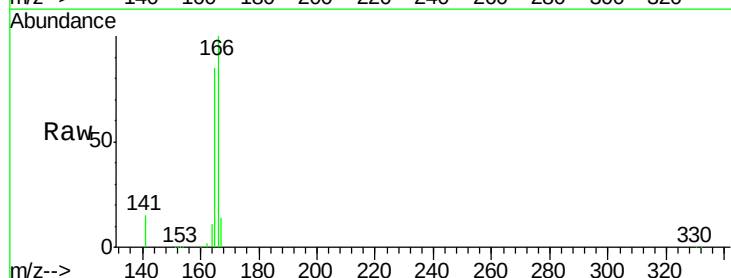
Tgt Ion:166 Resp: 43978

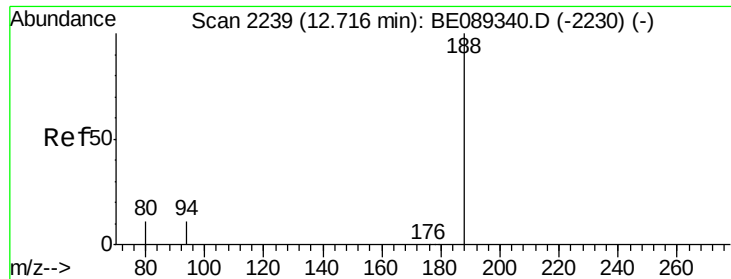
Ion Ratio Lower Upper

166 100

165 89.2 72.1 108.1

167 13.5 11.0 16.4

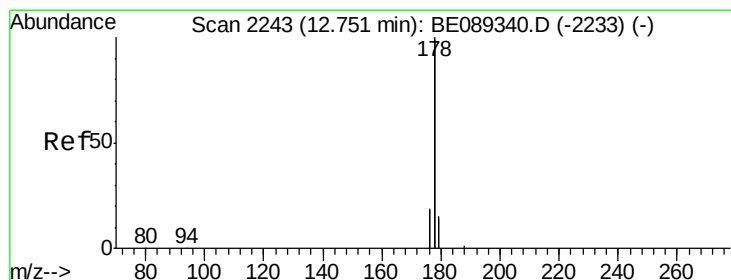
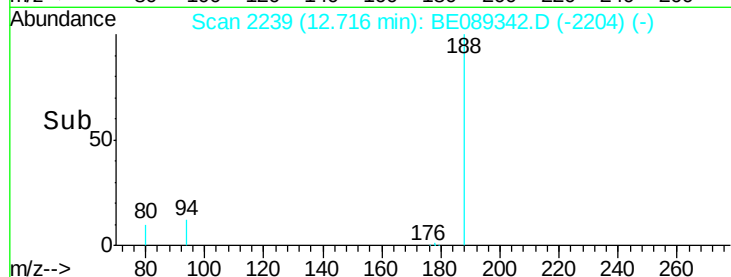
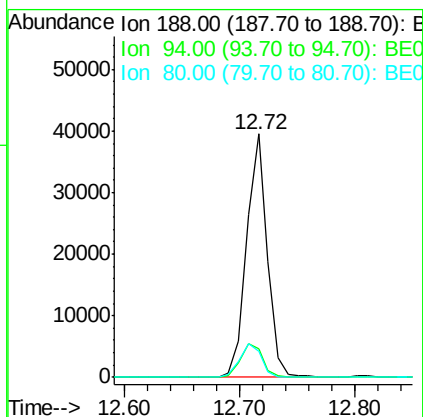
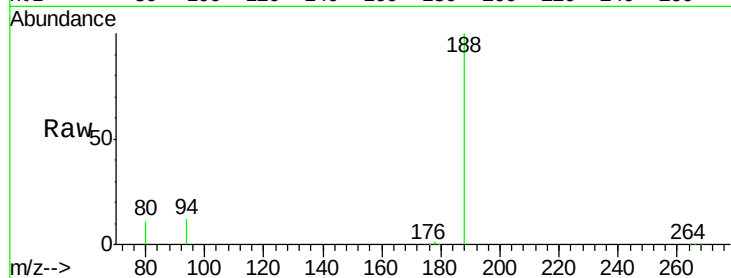




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

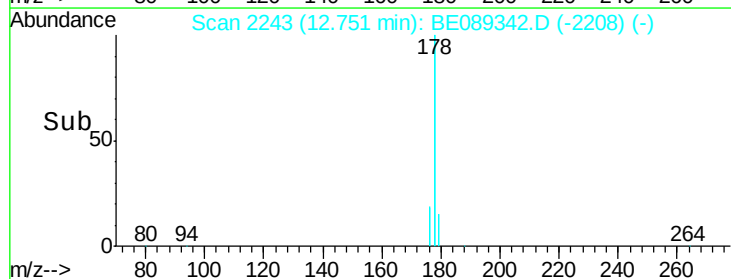
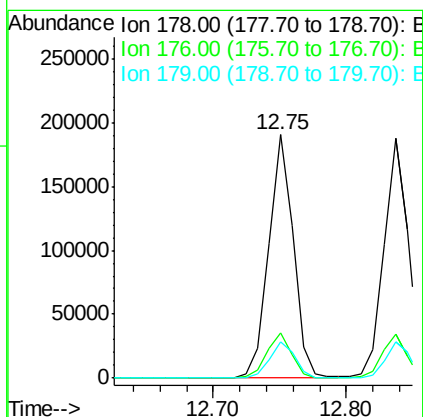
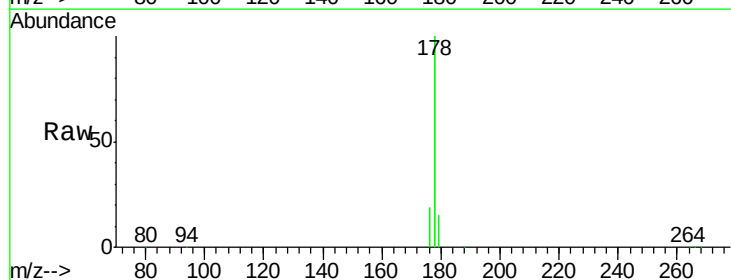
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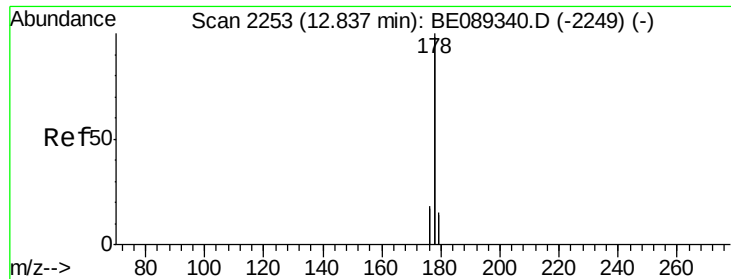
Tgt Ion:188 Resp: 49294
Ion Ratio Lower Upper
188 100
94 11.7 11.0 12.2
80 10.5 10.1 11.1



#12
Phenanthrene
Concen: 5.36 ng
RT: 12.75 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Tgt Ion:178 Resp: 244433
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 14.9 12.2 18.2





#13

Anthracene

Concen: 5.87 ng

RT: 12.84 min Scan# 2253

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDICC005

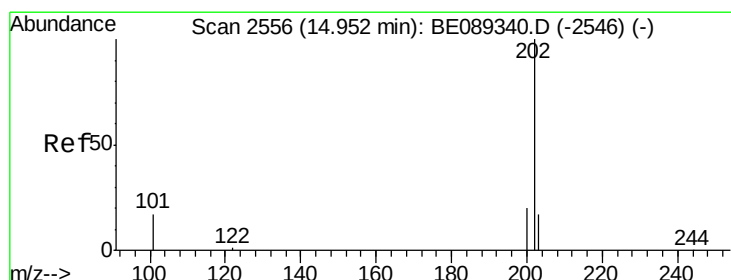
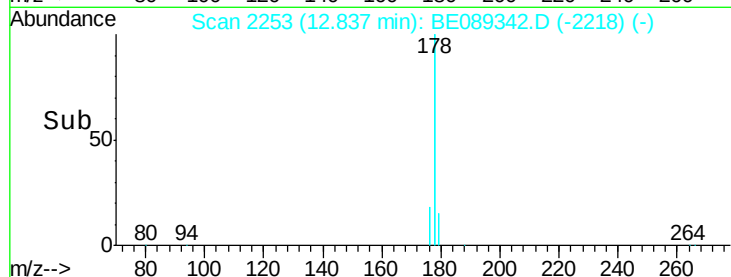
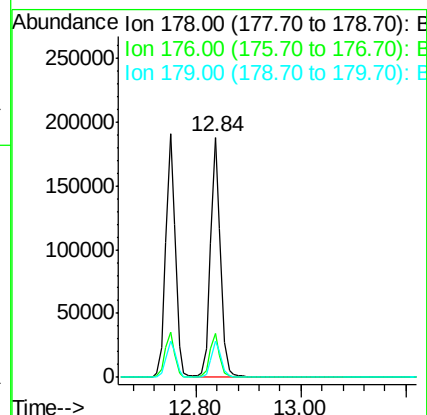
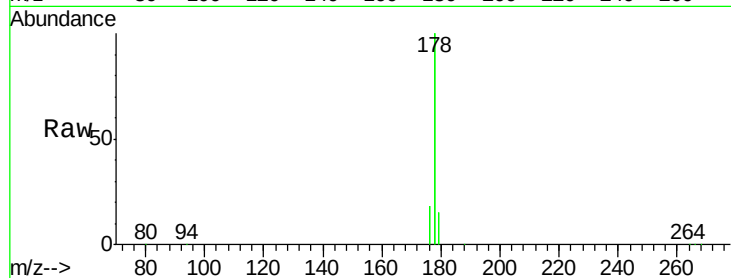
Tgt Ion:178 Resp: 245069

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 15.1 12.0 18.0



#14

Fluoranthene

Concen: 5.63 ng

RT: 14.95 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

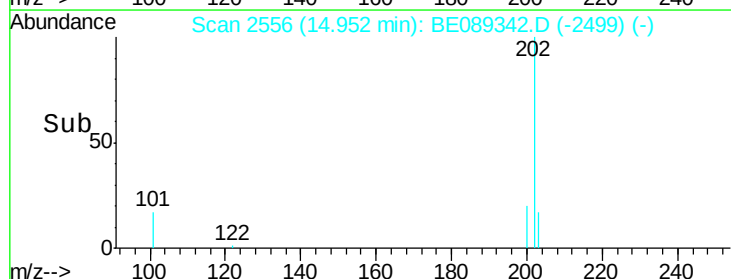
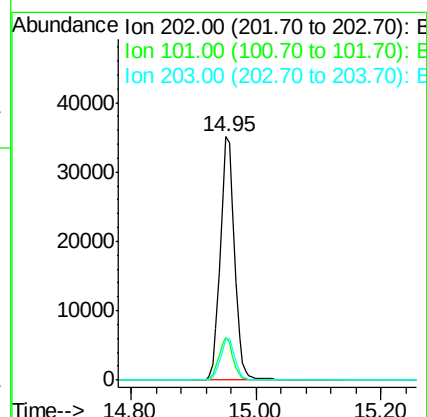
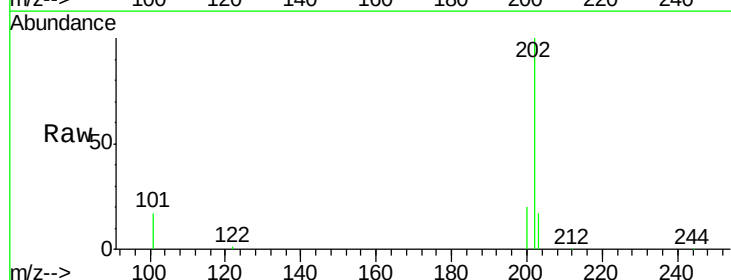
Tgt Ion:202 Resp: 55274

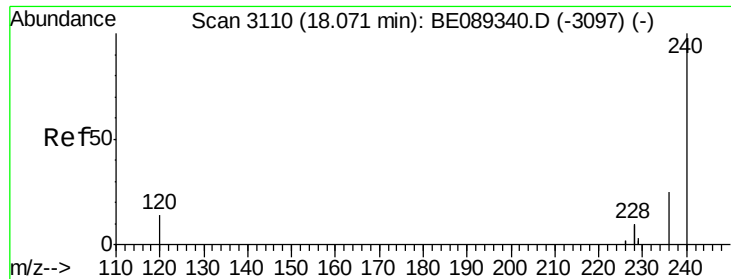
Ion Ratio Lower Upper

202 100

101 17.4 0.0 37.9

203 17.2 0.0 37.5





#15

Chrysene-d12

Concen: 5.00 ng

RT: 18.07 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDIC005

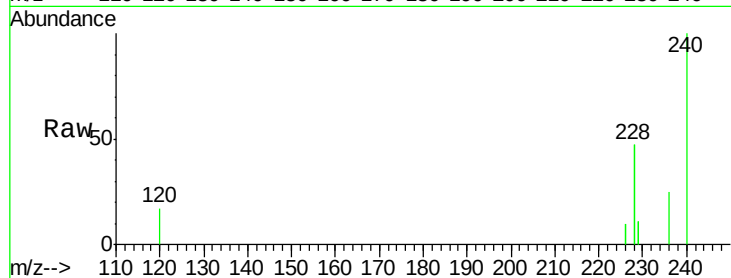
Tgt Ion:240 Resp: 36087

Ion Ratio Lower Upper

240 100

120 17.4 11.8 17.6

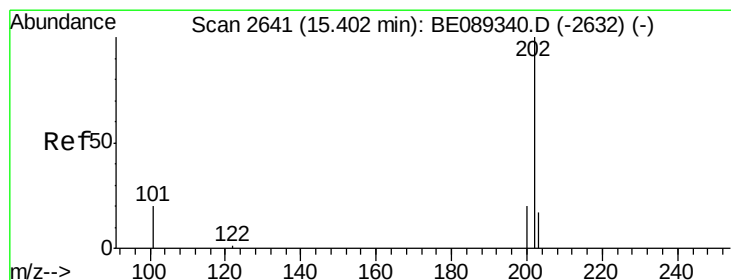
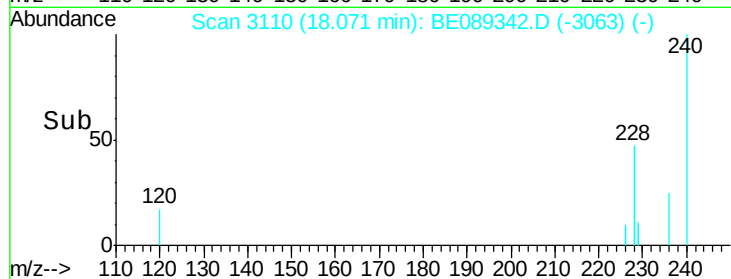
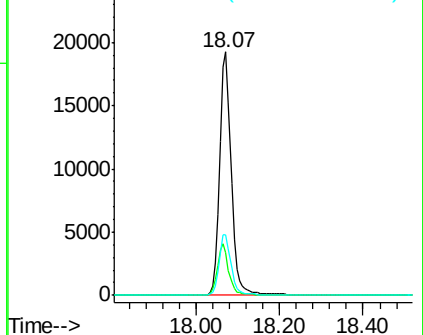
236 25.1 20.0 30.0



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



#16

Pyrene

Concen: 6.61 ng

RT: 15.40 min Scan# 2641

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

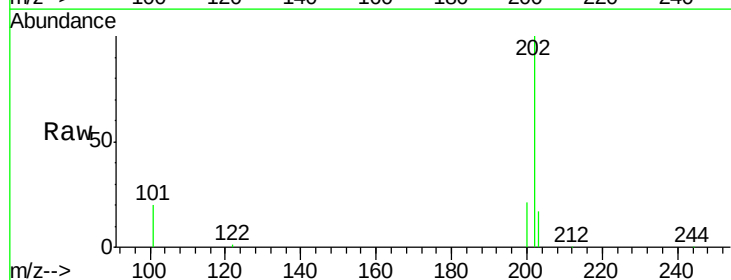
Tgt Ion:202 Resp: 58358

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

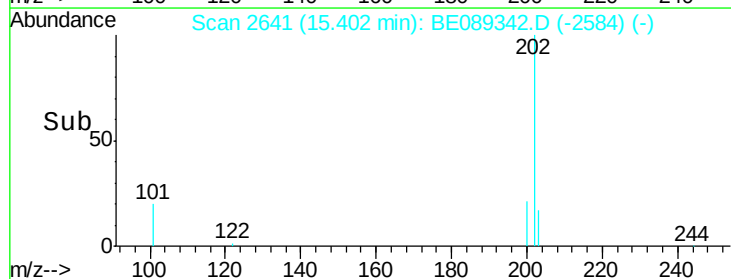
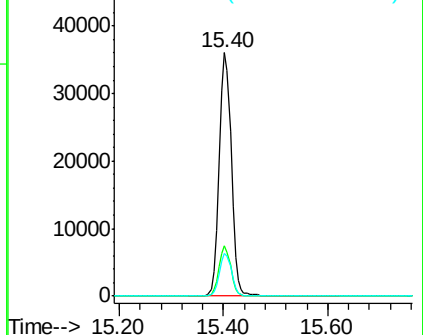
203 17.3 14.0 21.0

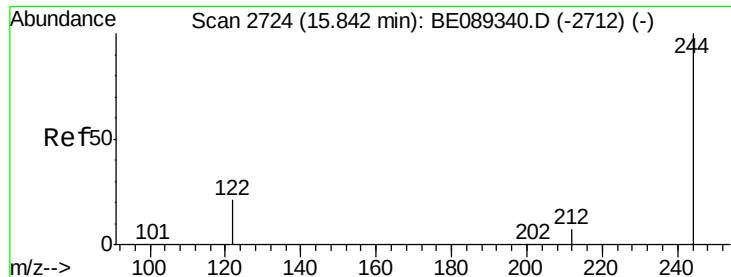


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

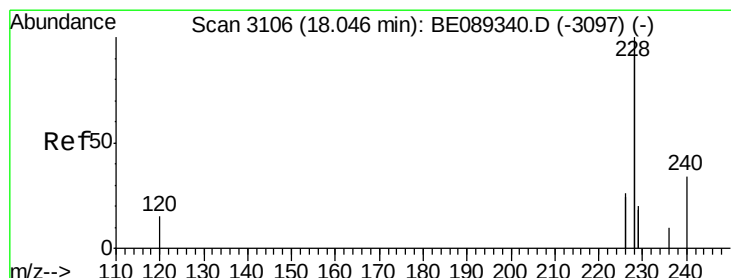
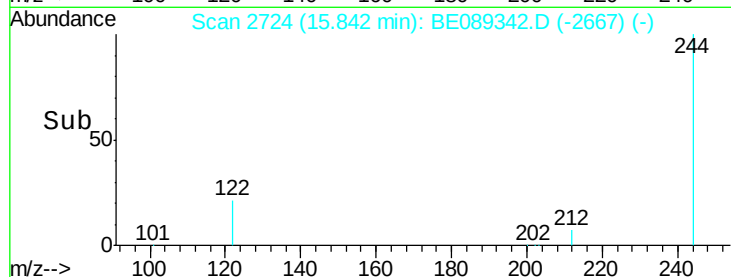
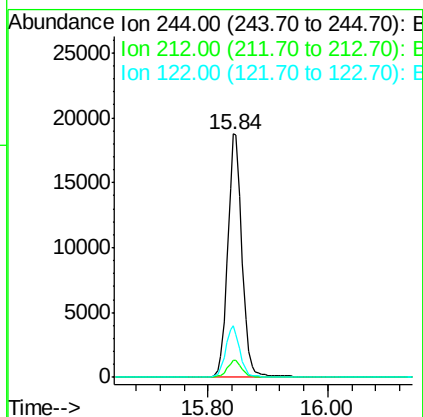
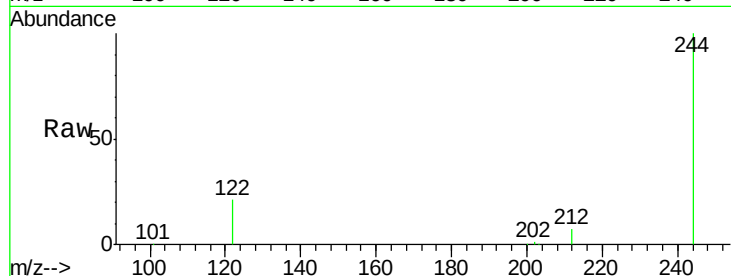




#17
 Terphenyl-d14
 Concen: 5.90 ng
 RT: 15.84 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: BE089342.D
 Acq: 7 Jan 2015 23:11

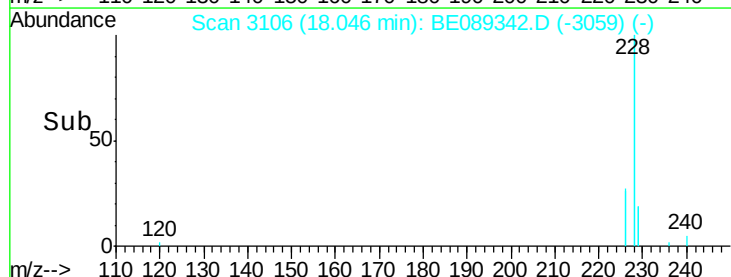
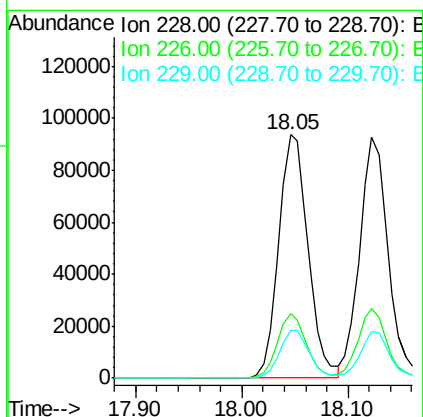
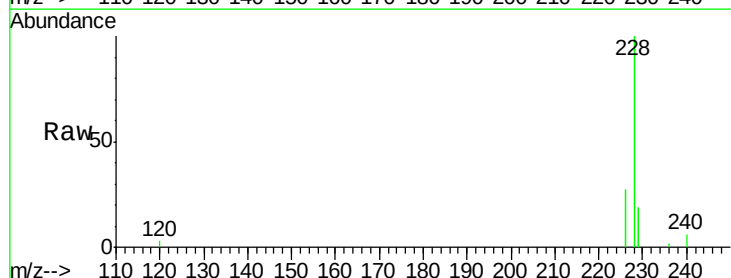
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

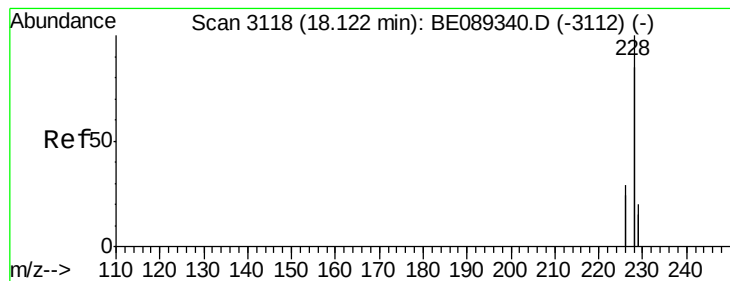
Tgt Ion: 244 Resp: 31423
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.3 9.5
 122 21.2 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 6.01 ng
 RT: 18.05 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BE089342.D
 Acq: 7 Jan 2015 23:11

Tgt Ion: 228 Resp: 178870
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.0 31.6
 229 19.4 16.0 24.0





#19

Chrysene

Concen: 5.72 ng

RT: 18.12 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDIC005

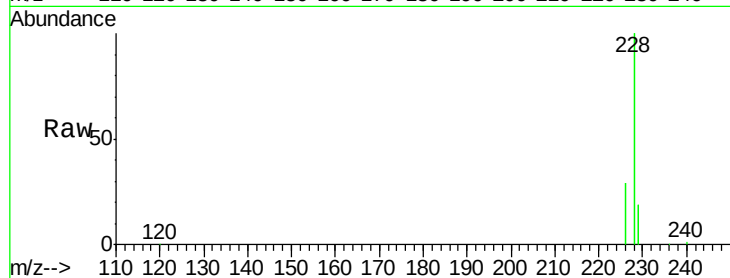
Tgt Ion:228 Resp: 176539

Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

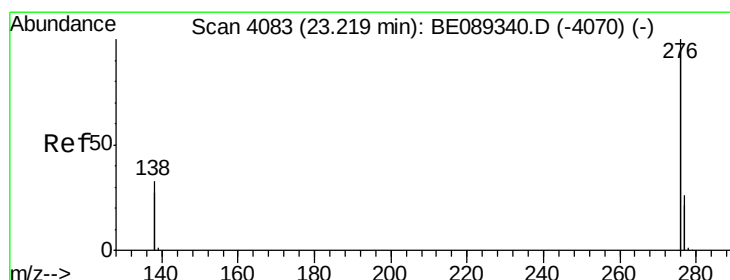
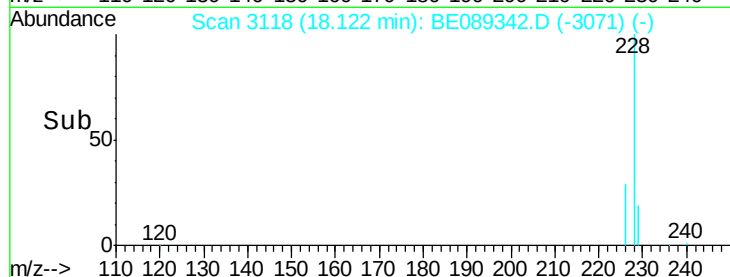
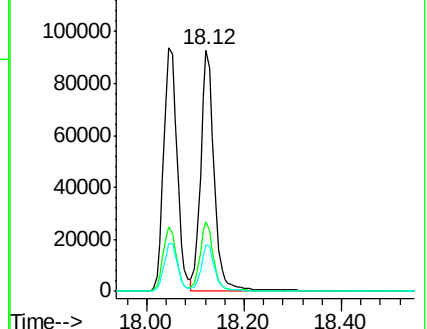
229 19.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#20

Indeno(1,2,3-cd)pyrene

Concen: 4.15 ng

RT: 23.21 min Scan# 4082

Delta R.T. -0.01 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

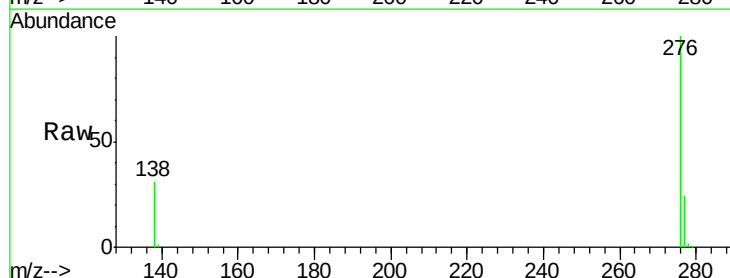
Tgt Ion:276 Resp: 122951

Ion Ratio Lower Upper

276 100

138 30.9 23.8 35.8

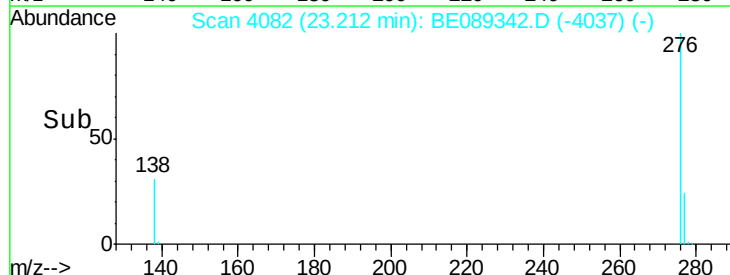
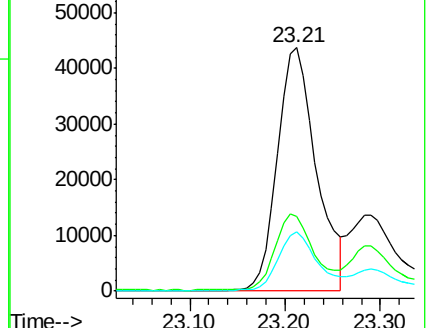
277 23.7 18.2 27.4

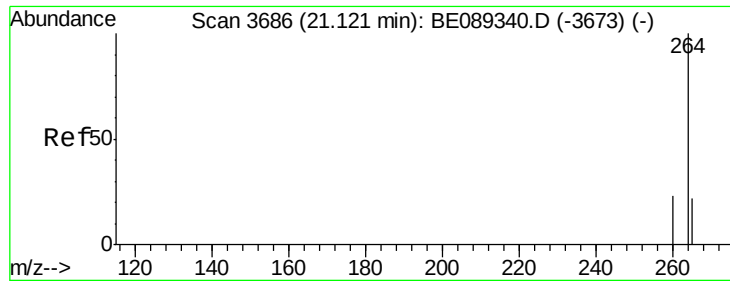


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

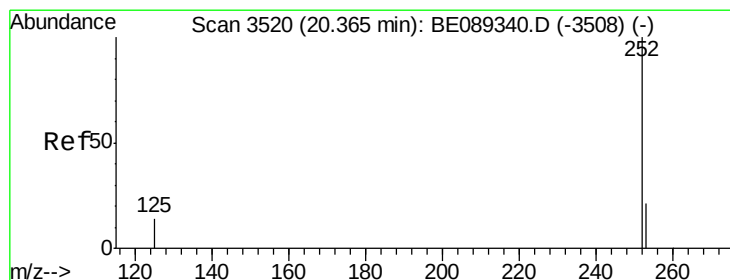
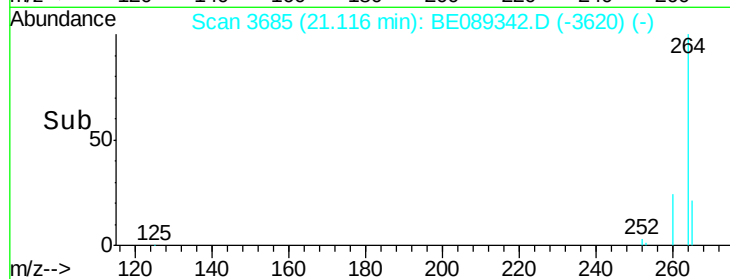
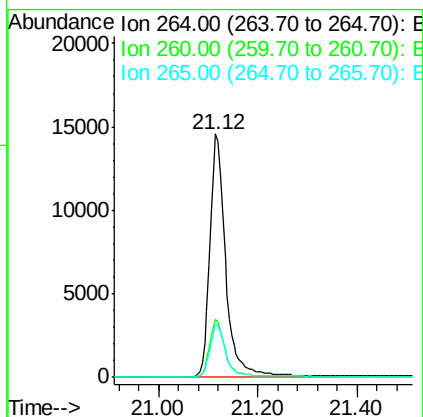
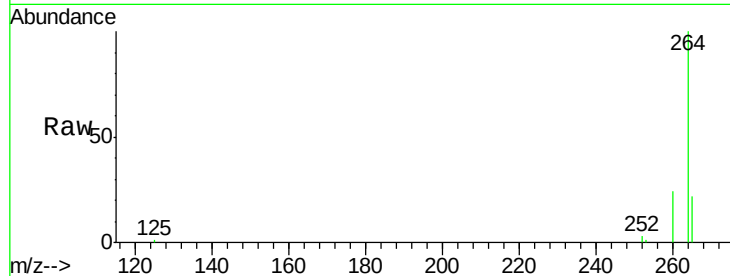




#21
Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3685
 Delta R.T. -0.01 min
 Lab File: BE089342.D
 Acq: 7 Jan 2015 23:11

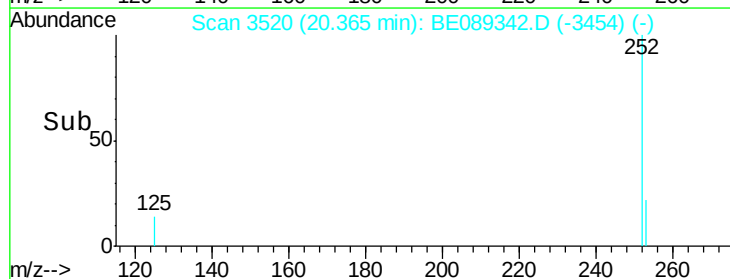
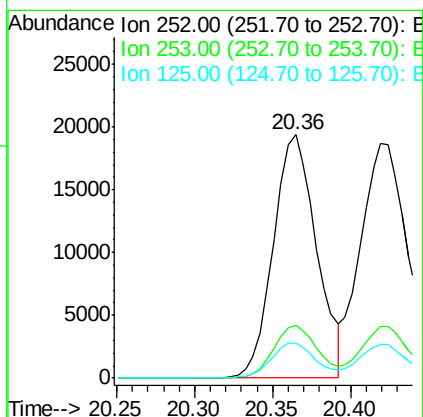
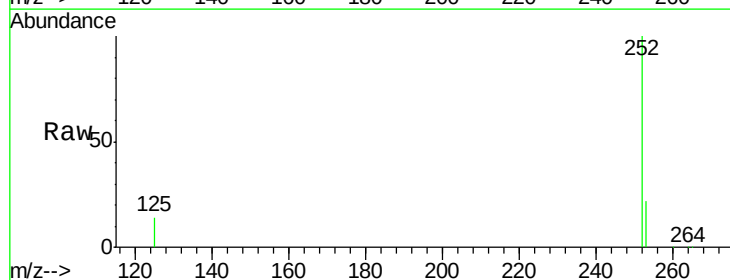
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

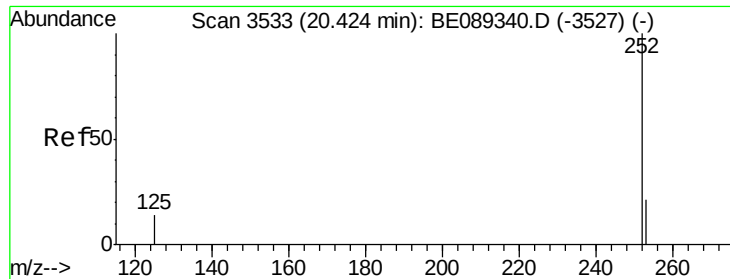
Tgt Ion: 264 Resp: 31984
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.9 28.3
 265 21.6 17.4 26.2



#22
Benzo(b)fluoranthene
 Concen: 5.81 ng
 RT: 20.36 min Scan# 3520
 Delta R.T. -0.00 min
 Lab File: BE089342.D
 Acq: 7 Jan 2015 23:11

Tgt Ion: 252 Resp: 36926
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.8 26.6
 125 14.3 12.6 18.8





#23

Benzo(k)fluoranthene

Concen: 5.40 ng

RT: 20.42 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

Instrument :

BNA_E

LabSampleId :

SSTDIC005

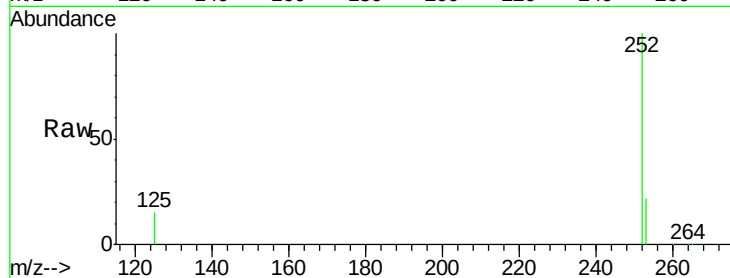
Tgt Ion:252 Resp: 44221

Ion Ratio Lower Upper

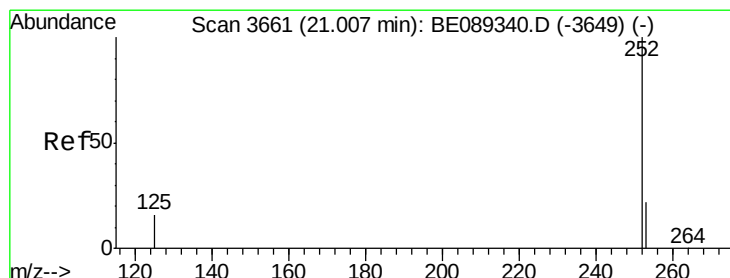
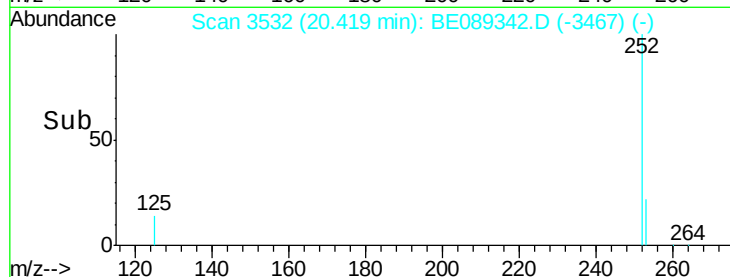
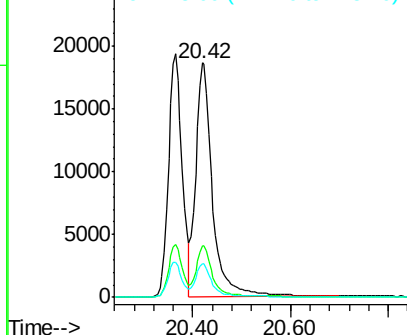
252 100

253 21.8 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: 6.06 ng

RT: 21.00 min Scan# 3660

Delta R.T. -0.01 min

Lab File: BE089342.D

Acq: 7 Jan 2015 23:11

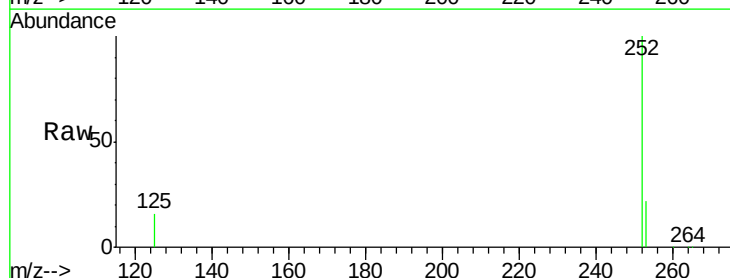
Tgt Ion:252 Resp: 36471

Ion Ratio Lower Upper

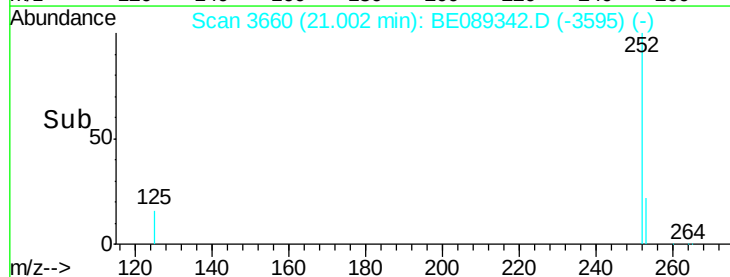
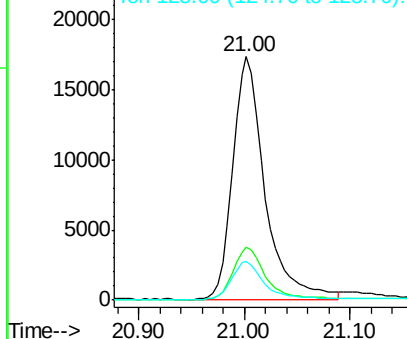
252 100

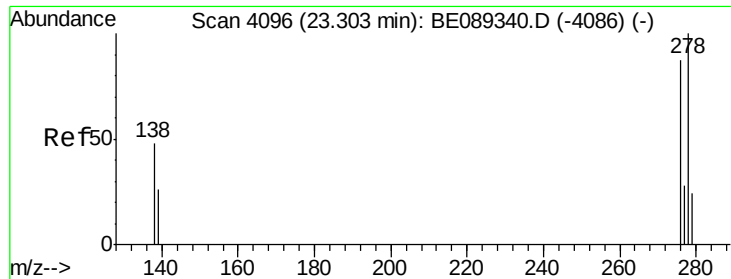
253 21.9 18.3 27.5

125 15.8 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



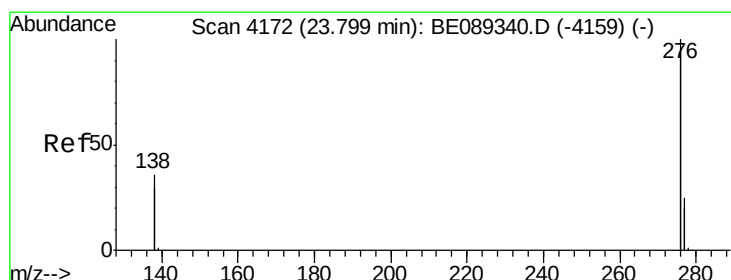
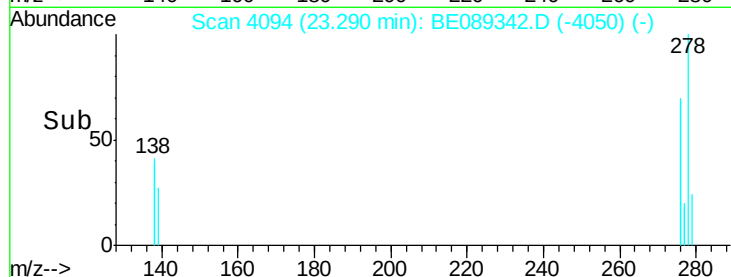
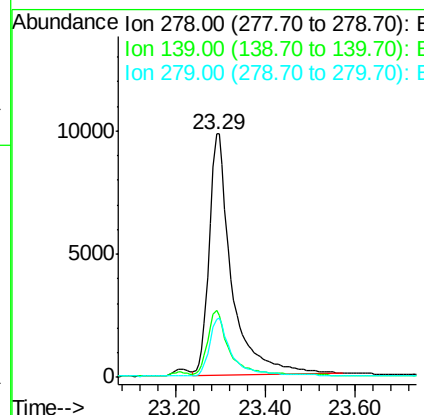
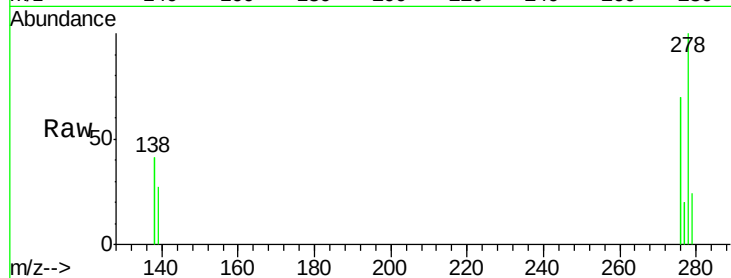


#25
Dibenzo(a,h)anthracene
Concen: 5.36 ng
RT: 23.29 min Scan# 4094
Delta R.T. -0.01 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion: 278 Resp: 33958

Ion	Ratio	Lower	Upper
278	100		
139	27.4	22.9	34.3
279	23.9	20.8	31.2



#26
Benzo(g,h,i)perylene
Concen: 5.70 ng
RT: 23.79 min Scan# 4171
Delta R.T. -0.01 min
Lab File: BE089342.D
Acq: 7 Jan 2015 23:11

Tgt Ion: 276 Resp: 163200

Ion	Ratio	Lower	Upper
276	100		
277	23.7	20.0	30.0
138	34.3	28.5	42.7

