

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010715\
 Data File : BE089350.D
 Acq On : 8 Jan 2015 6:23
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : LOQ-WATER-1.0PPM-SIM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 08 15:41:50 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 15:21:44 2015
 Response via : Initial Calibration

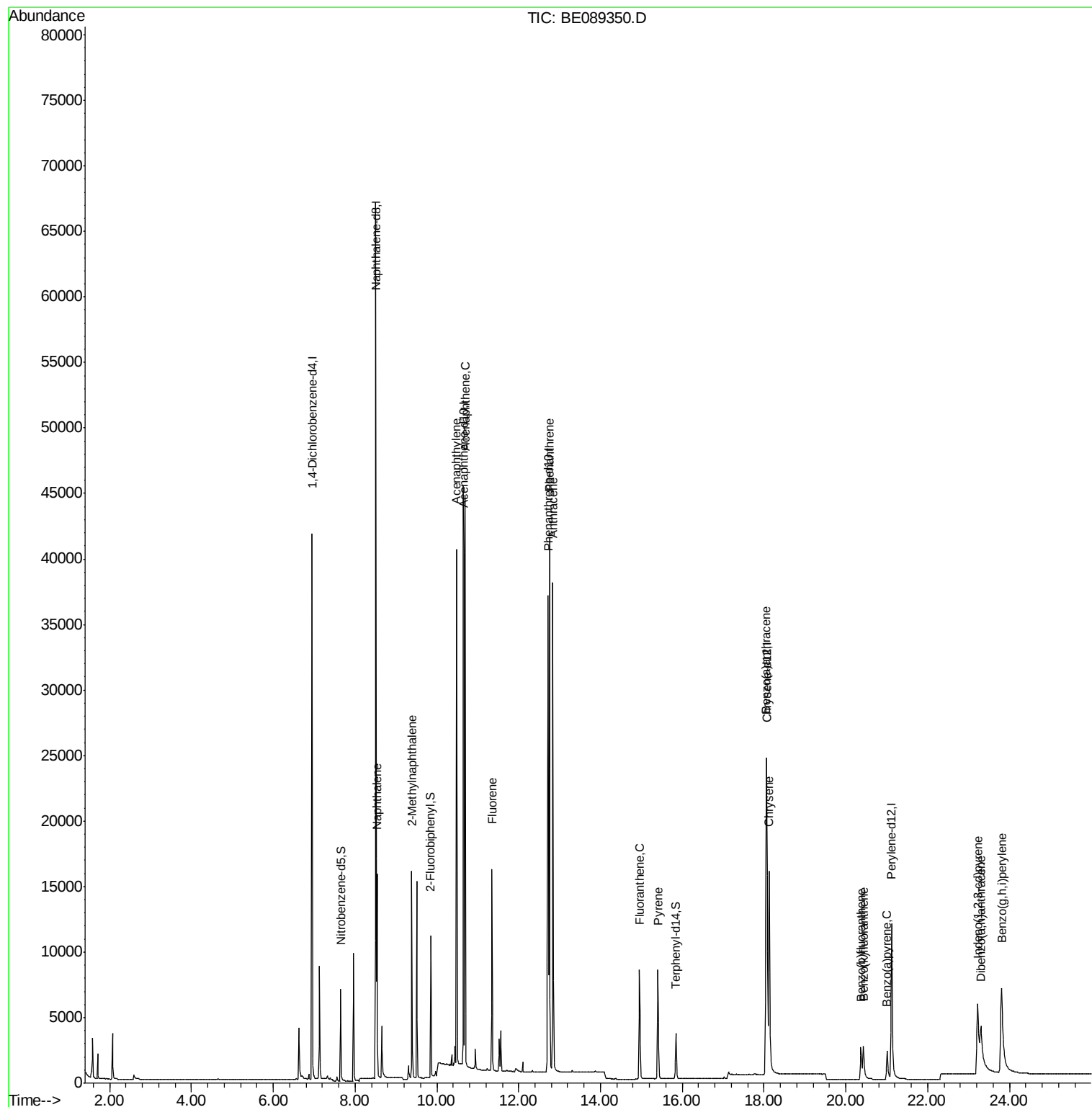
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	12370	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	48428	5.00	ng	0.00
6) Acenaphthene-d10	10.66	164	23043	5.00	ng	0.01
11) Phenanthrene-d10	12.72	188	37139	5.00	ng	0.00
15) Chrysene-d12	18.07	240	22002	5.00	ng	0.00
21) Perylene-d12	21.12	264	18875	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	3377	1.00	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	6459	1.03	ng	0.00
17) Terphenyl-d14	15.85	244	4764	1.22	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	11264	1.03	ng	99
5) 2-Methylnaphthalene	9.39	142	7144	1.05	ng	99
8) Acenaphthylene	10.47	152	41315	1.05	ng	99
9) Acenaphthene	10.69	154	6364	1.04	ng	98
10) Fluorene	11.34	166	6949	1.06	ng	100
12) Phenanthrene	12.75	178	39436	1.02	ng	99
13) Anthracene	12.84	178	37770	1.01	ng	99
14) Fluoranthene	14.96	202	8568	1.00	ng	99
16) Pyrene	15.41	202	8874	1.23	ng	99
18) Benzo(a)anthracene	18.05	228	21967	0.98	ng	98
19) Chrysene	18.13	228	22924	1.02	ng	99
20) Indeno(1,2,3-cd)pyrene	23.22	276	11865	0.55	ng	99
22) Benzo(b)fluoranthene	20.37	252	3895	0.94	ng	97
23) Benzo(k)fluoranthene	20.43	252	5354	1.03	ng	98
24) Benzo(a)pyrene	21.01	252	3984	0.98	ng	97
25) Dibenzo(a,h)anthracene	23.31	278	3525	0.95	ng	94
26) Benzo(g,h,i)perylene	23.81	276	18613	0.99	ng	97

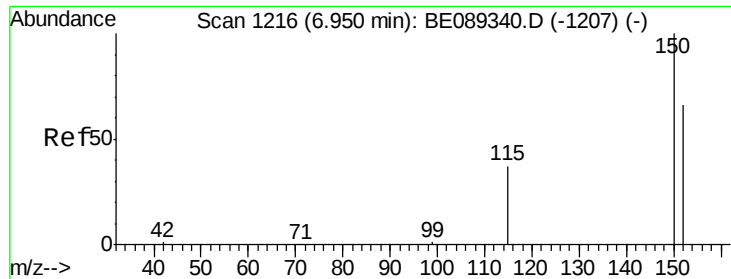
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

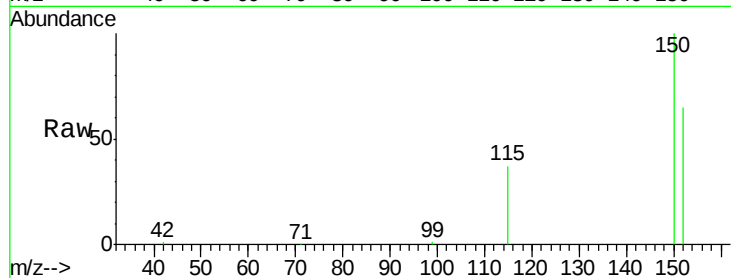
Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

ClientSampleId :



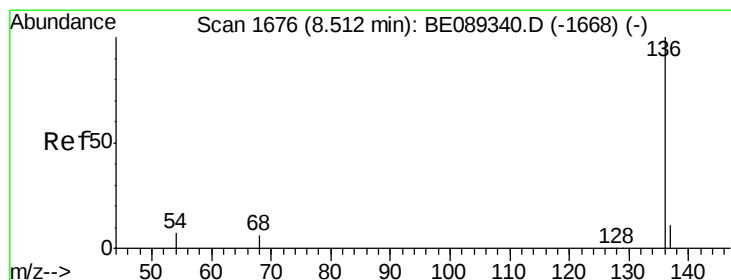
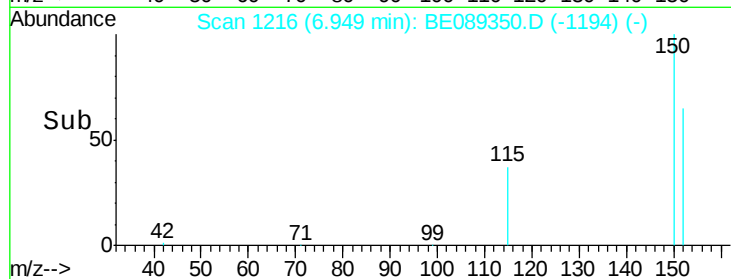
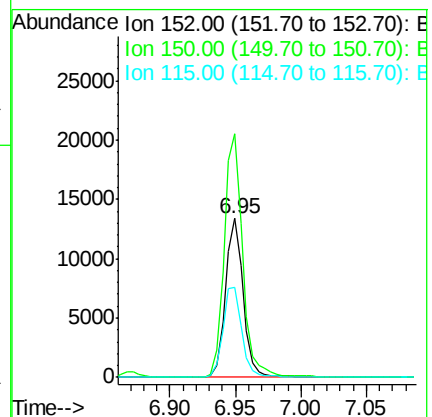
Tgt Ion:152 Resp: 12370

Ion Ratio Lower Upper

152 100

150 153.3 121.5 182.3

115 57.0 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: BE089350.D

Acq: 8 Jan 2015 6:23

Tgt Ion:136 Resp: 48428

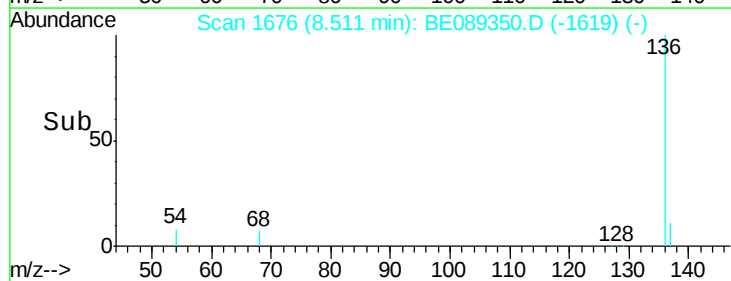
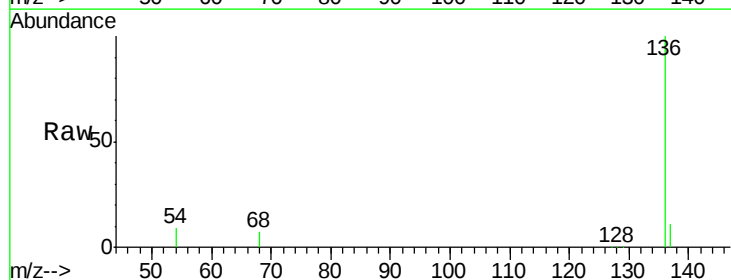
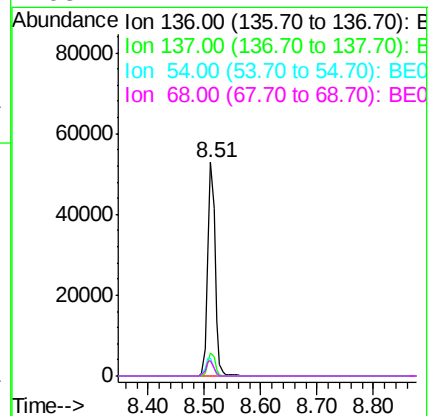
Ion Ratio Lower Upper

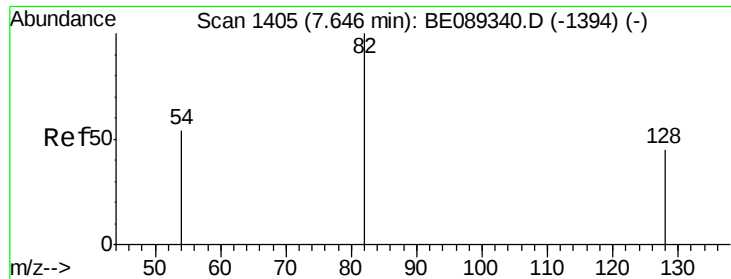
136 100

137 10.8 9.0 13.4

54 8.5 5.4 8.0#

68 7.4 4.7 7.1#

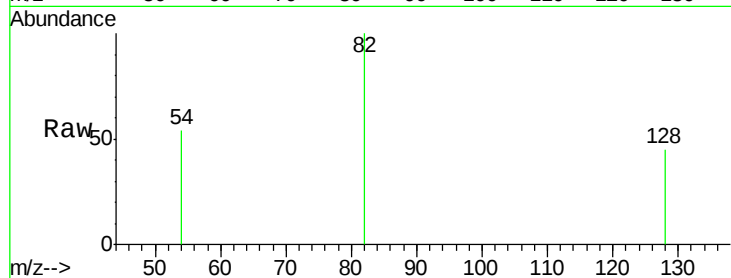




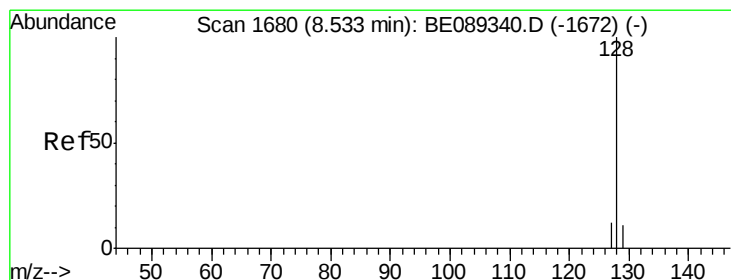
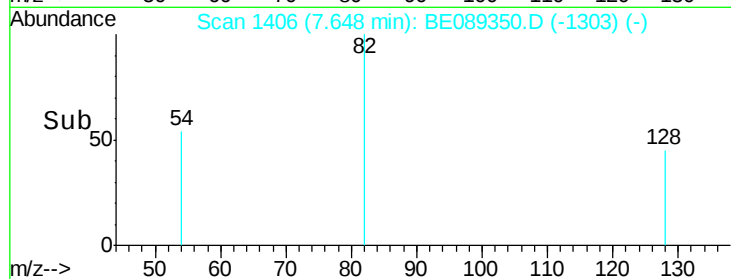
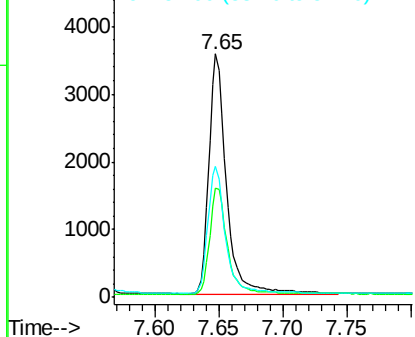
#3
 Nitrobenzene-d5
 Concen: 1.00 ng
 RT: 7.65 min Scan# 1406
 Delta R.T. 0.00 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion: 82 Resp: 3377
 Ion Ratio Lower Upper
 82 100
 128 45.0 36.5 54.7
 54 54.0 43.5 65.3

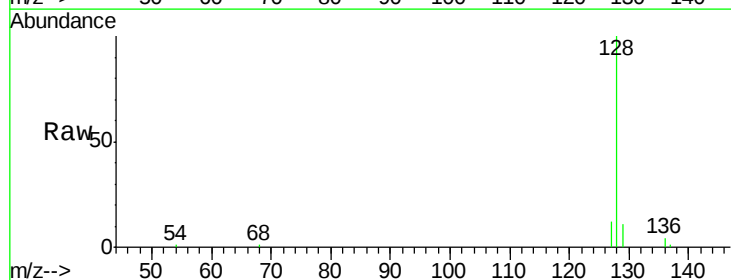


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

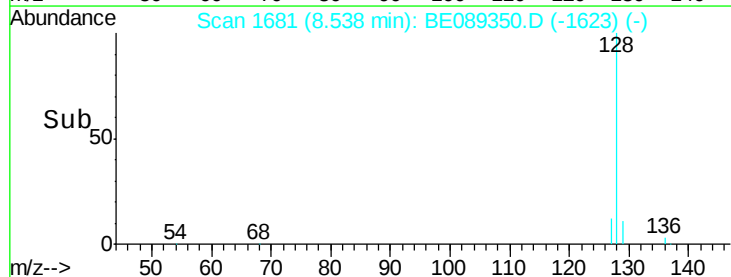
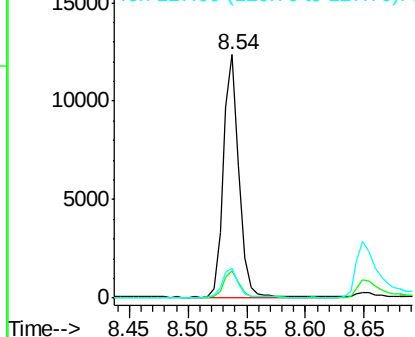


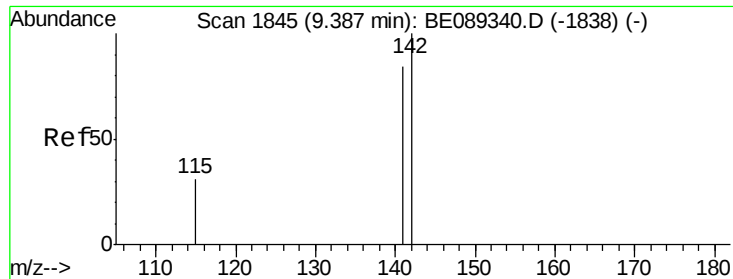
#4
 Naphthalene
 Concen: 1.03 ng
 RT: 8.54 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

Tgt Ion: 128 Resp: 11264
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.8 13.2
 127 12.0 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

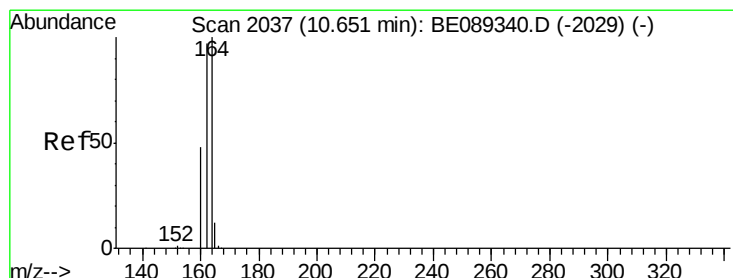
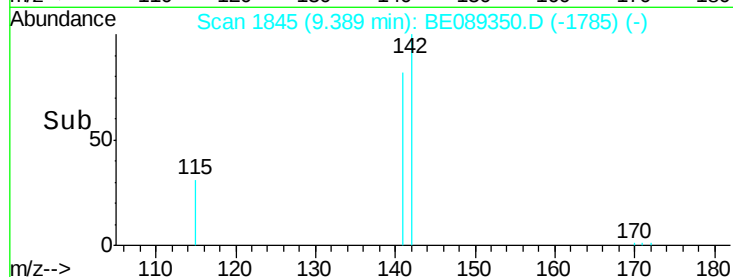
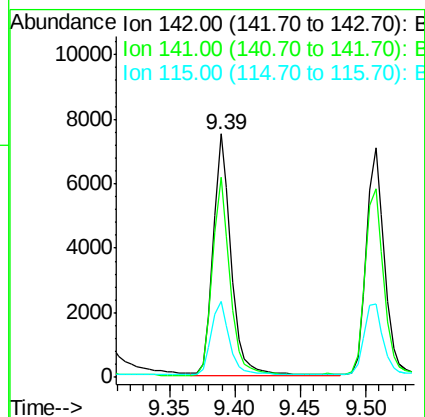
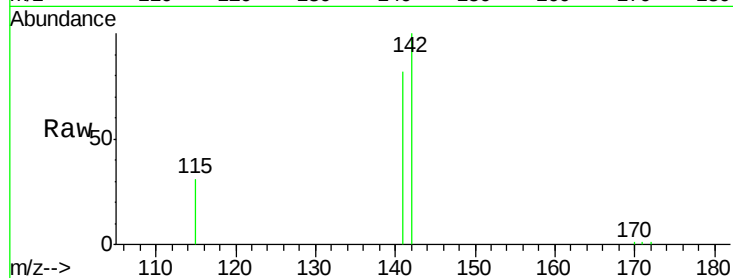




#5
2-Methylnaphthalene
Concen: 1.05 ng
RT: 9.39 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

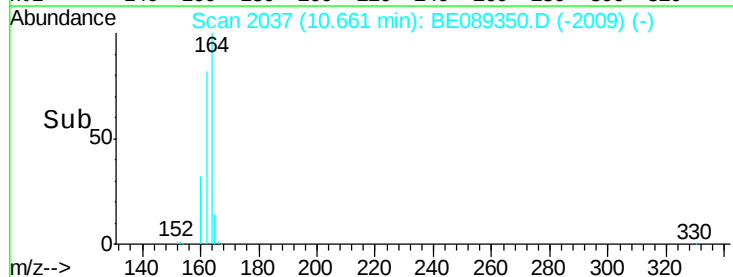
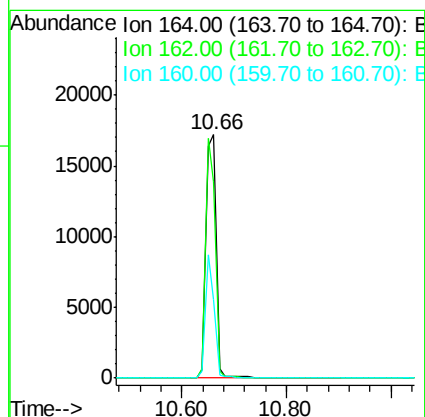
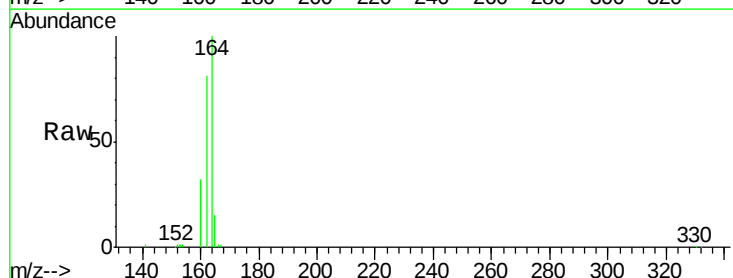
Instrument :
BNA_E
ClientSampleId :

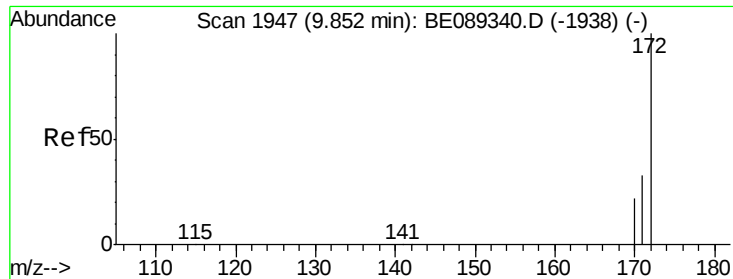
Tgt Ion:142 Resp: 7144
Ion Ratio Lower Upper
142 100
141 82.0 66.3 99.5
115 31.0 25.2 37.8



#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.66 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Tgt Ion:164 Resp: 23043
Ion Ratio Lower Upper
164 100
162 80.7 77.4 116.2
160 32.3 38.2 57.4#





#7

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

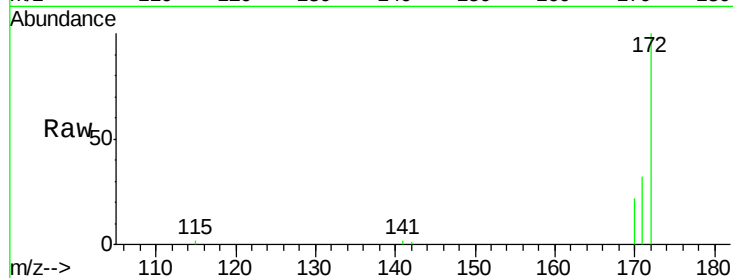
Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

ClientSampleId :



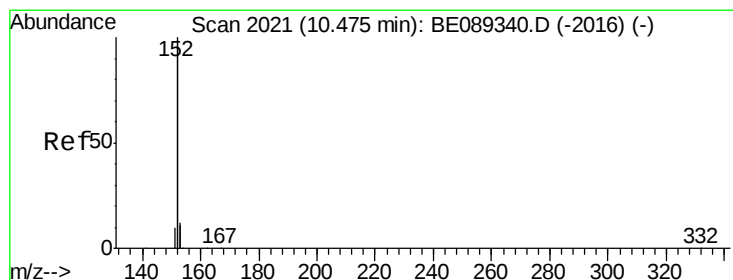
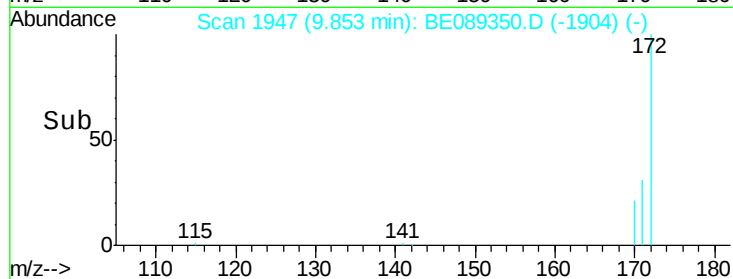
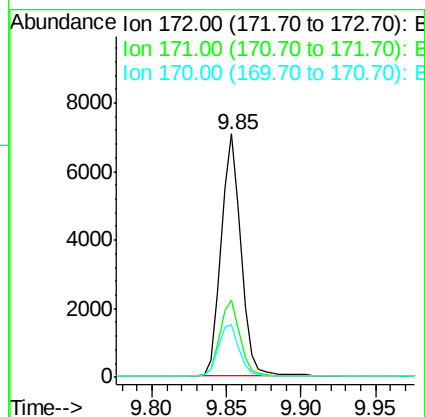
Tgt Ion:172 Resp: 6459

Ion Ratio Lower Upper

172 100

171 31.7 26.4 39.6

170 21.5 18.0 27.0



#8

Acenaphthylene

Concen: 1.05 ng

RT: 10.47 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

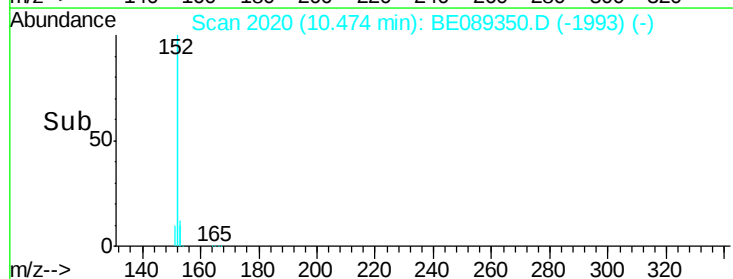
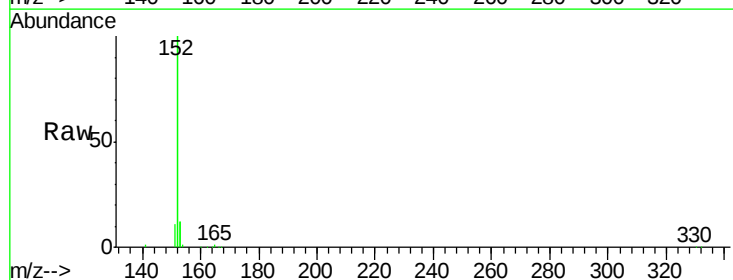
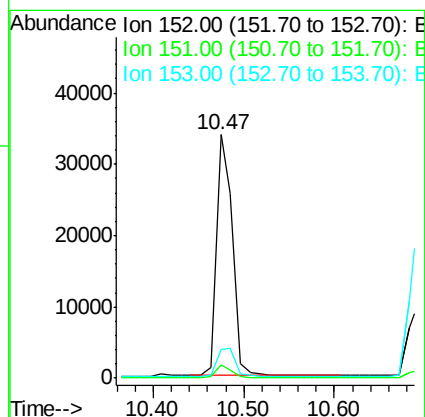
Tgt Ion:152 Resp: 41315

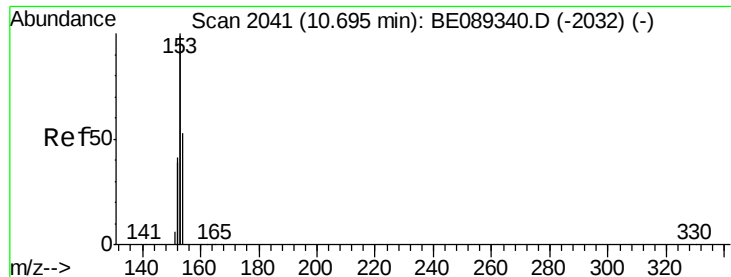
Ion Ratio Lower Upper

152 100

151 5.4 4.1 6.1

153 11.8 9.8 14.6





#9

Acenaphthene

Concen: 1.04 ng

RT: 10.69 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

ClientSampleId :

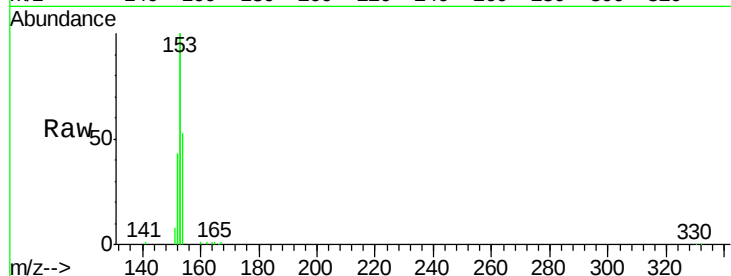
Tgt Ion:154 Resp: 6364

Ion Ratio Lower Upper

154 100

153 377.5 300.6 450.8

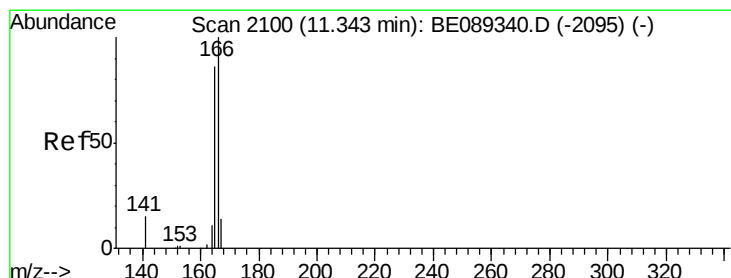
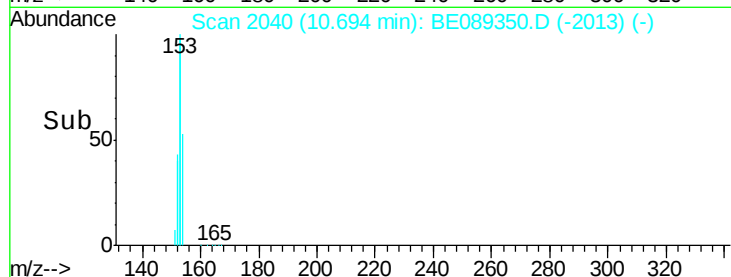
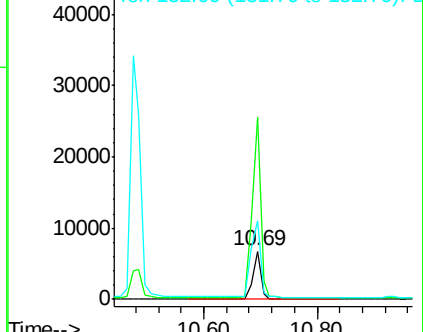
152 162.0 123.3 184.9



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: 1.06 ng

RT: 11.34 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

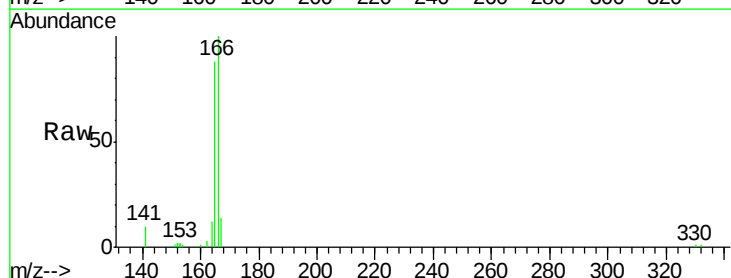
Tgt Ion:166 Resp: 6949

Ion Ratio Lower Upper

166 100

165 89.8 72.1 108.1

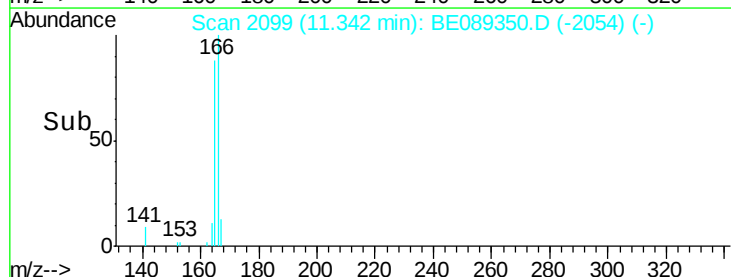
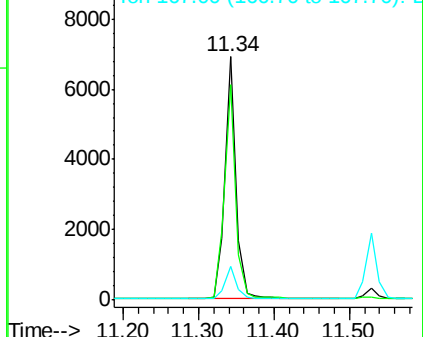
167 13.7 11.0 16.4

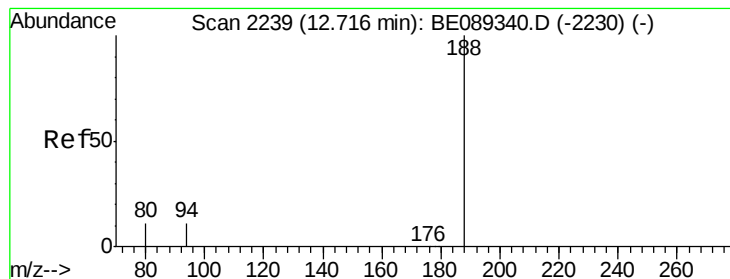


Abundance Ion 166.00 (165.70 to 166.70): E

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: 12.72 min Scan# 2239

Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

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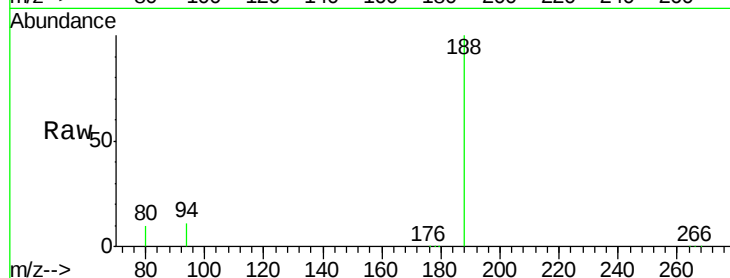
Tgt Ion:188 Resp: 37139

Ion Ratio Lower Upper

188 100

94 10.8 11.0 12.2#

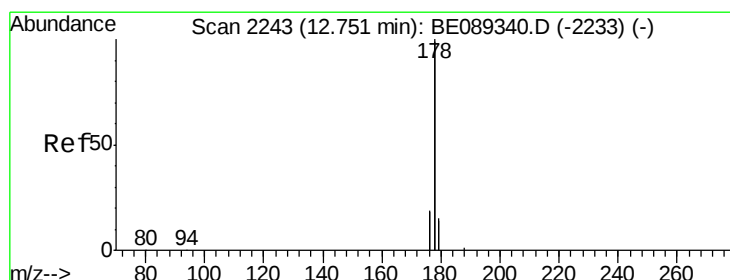
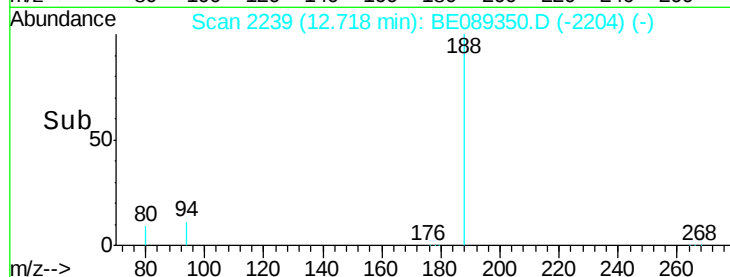
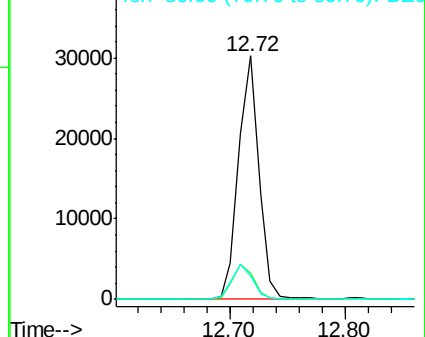
80 9.5 10.1 11.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#12

Phenanthrene

Concen: 1.02 ng

RT: 12.75 min Scan# 2243

Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

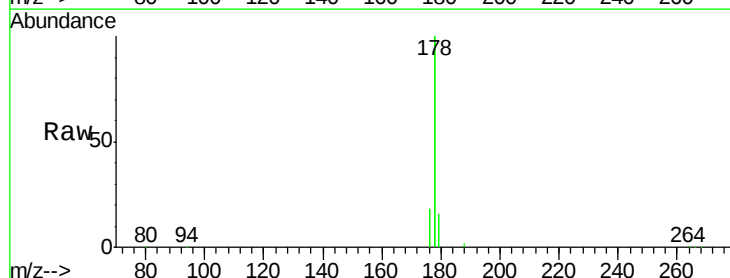
Tgt Ion:178 Resp: 39436

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

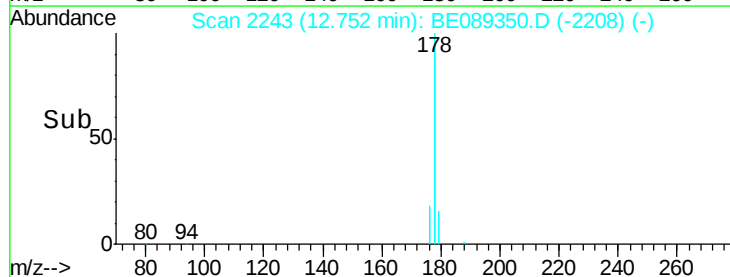
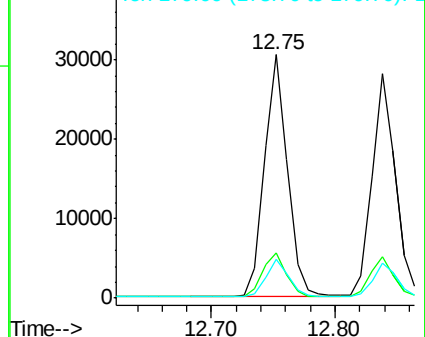
179 15.8 12.2 18.2

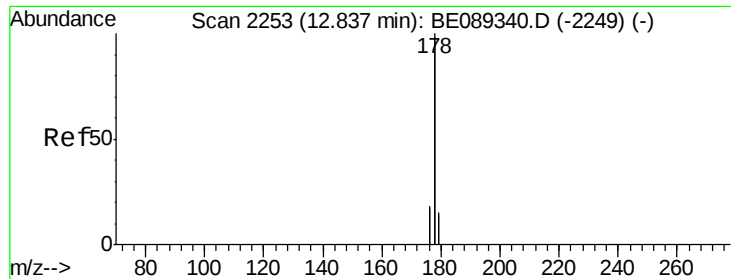


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 1.01 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

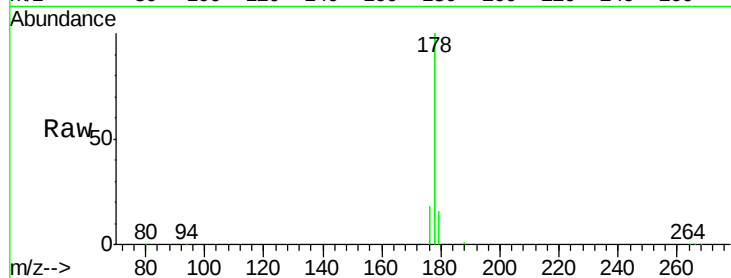
Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

ClientSampleId :



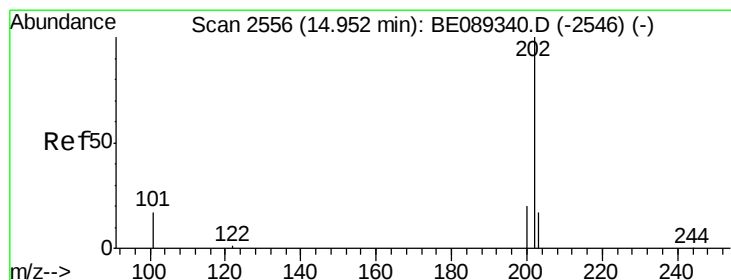
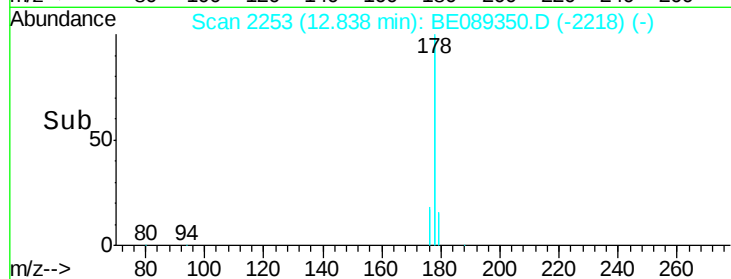
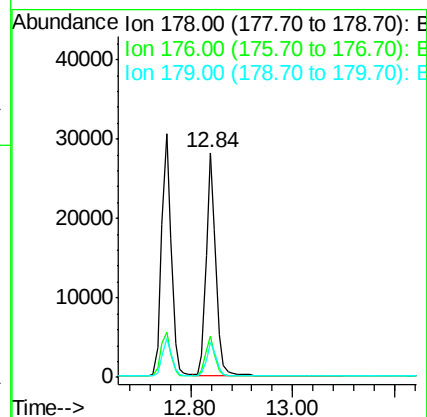
Tgt Ion:178 Resp: 37770

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

179 15.8 12.0 18.0



#14

Fluoranthene

Concen: 1.00 ng

RT: 14.96 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

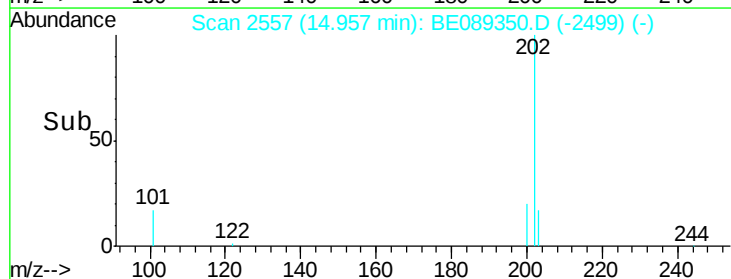
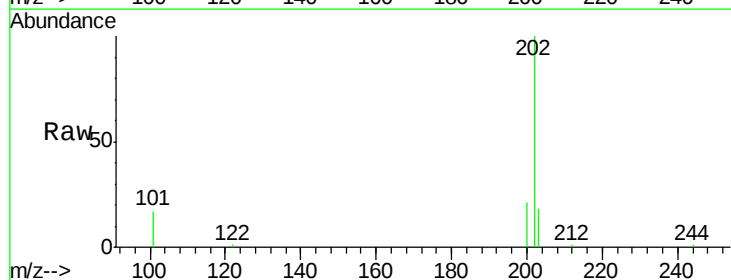
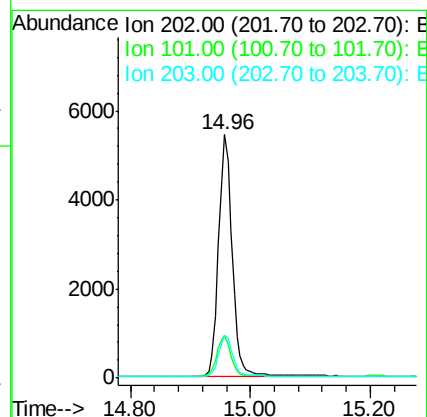
Tgt Ion:202 Resp: 8568

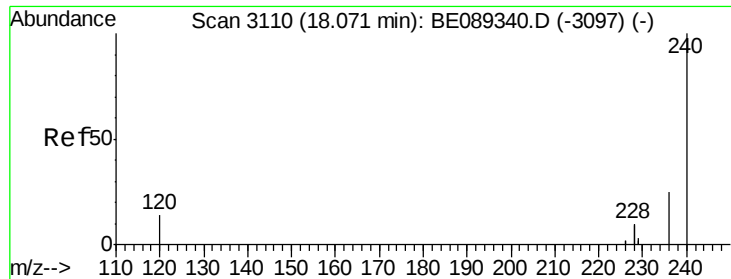
Ion Ratio Lower Upper

202 100

101 17.4 0.0 37.9

203 17.6 0.0 37.5

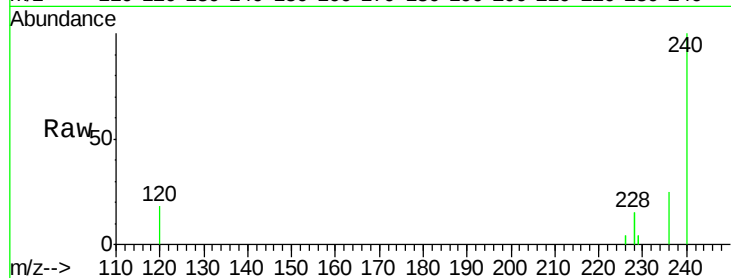




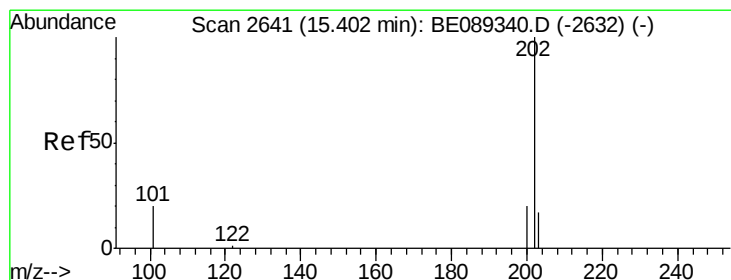
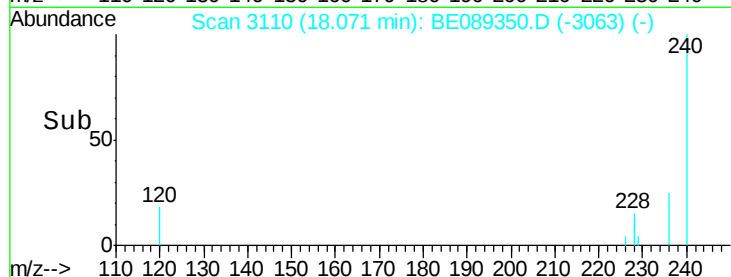
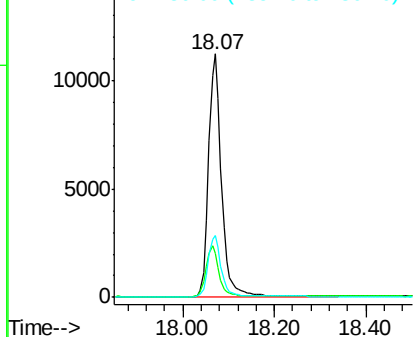
#15
Chrysene-d12
Concen: 5.00 ng
RT: 18.07 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 22002
Ion Ratio Lower Upper
240 100
120 18.3 11.8 17.6#
236 25.3 20.0 30.0

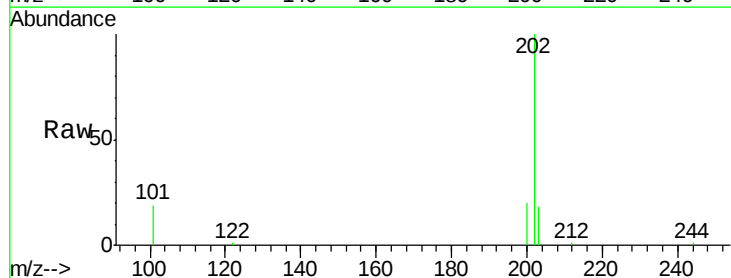


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

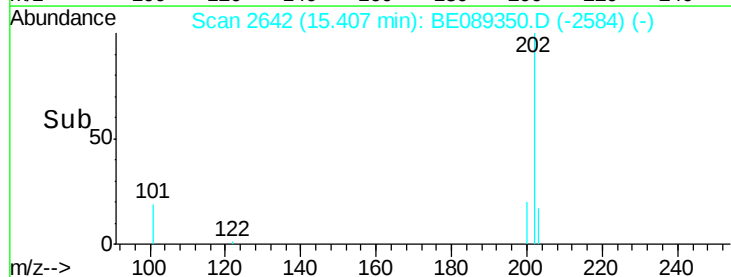
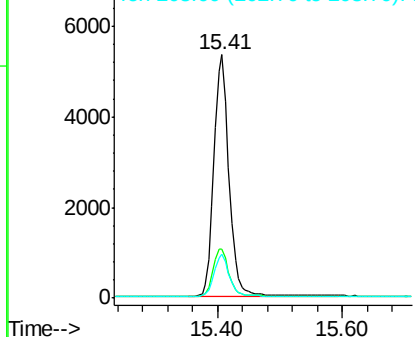


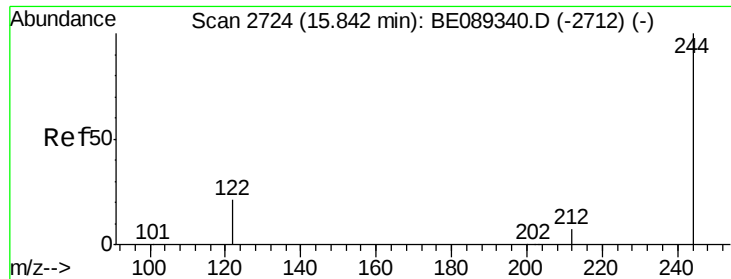
#16
Pyrene
Concen: 1.23 ng
RT: 15.41 min Scan# 2642
Delta R.T. 0.00 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Tgt Ion:202 Resp: 8874
Ion Ratio Lower Upper
202 100
200 20.3 16.8 25.2
203 18.1 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

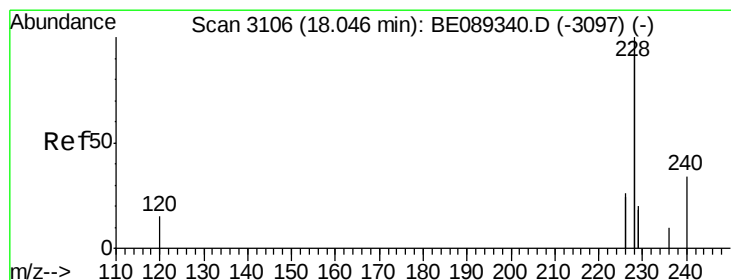
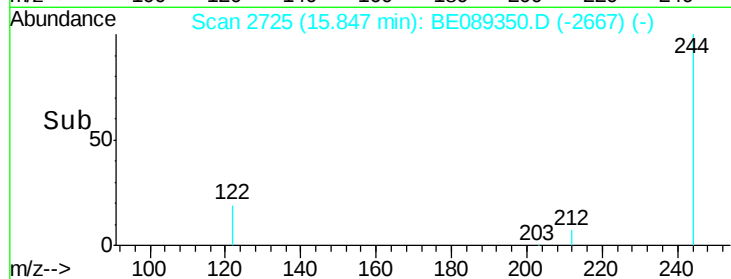
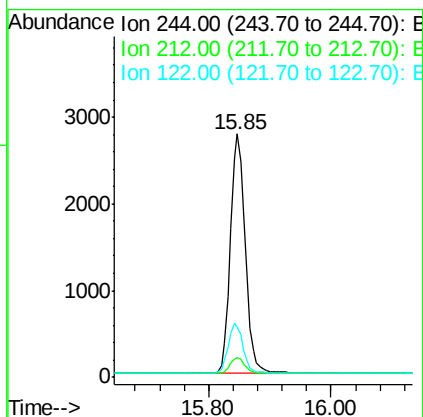
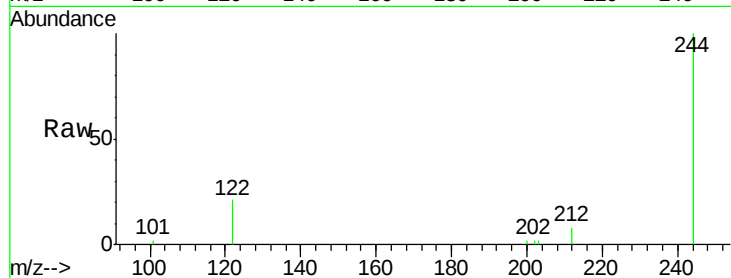




#17
 Terphenyl-d14
 Concen: 1.22 ng
 RT: 15.85 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

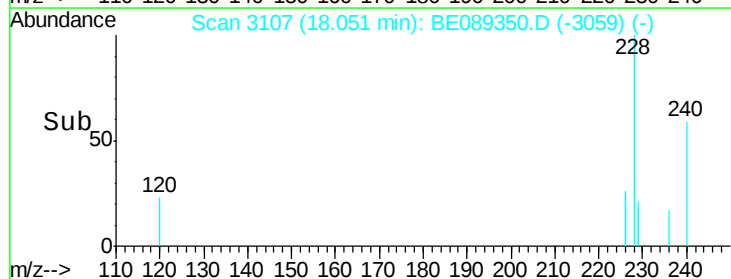
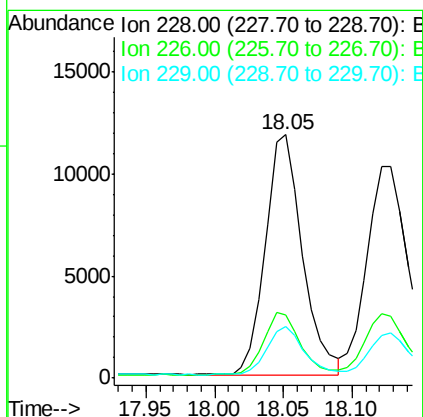
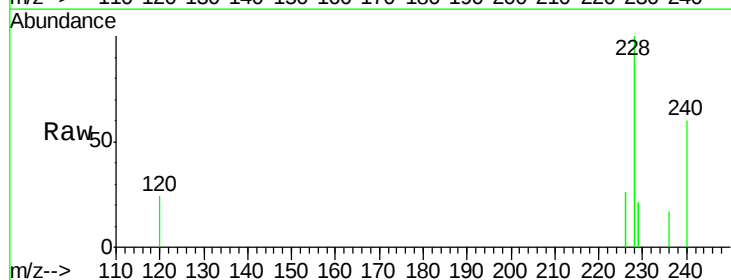
Instrument :
 BNA_E
 ClientSampleId :

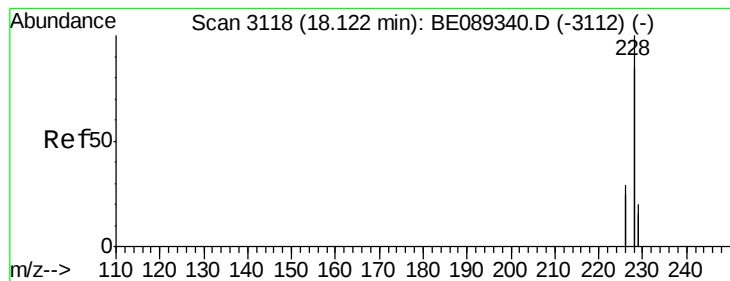
Tgt Ion:244 Resp: 4764
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.3 9.5
 122 20.6 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 0.98 ng
 RT: 18.05 min Scan# 3107
 Delta R.T. 0.01 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

Tgt Ion:228 Resp: 21967
 Ion Ratio Lower Upper
 228 100
 226 26.0 21.0 31.6
 229 21.3 16.0 24.0





#19

Chrysene

Concen: 1.02 ng

RT: 18.13 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

ClientSampleId :

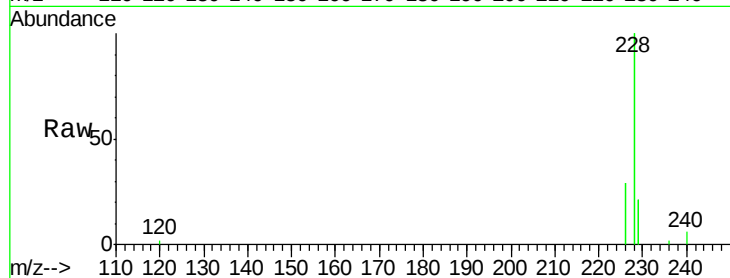
Tgt Ion:228 Resp: 22924

Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

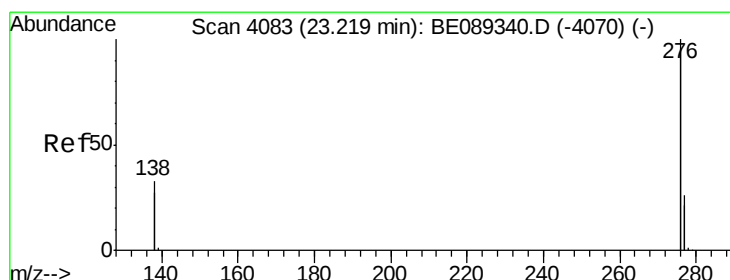
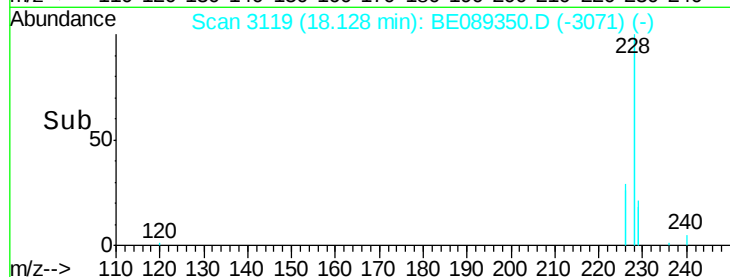
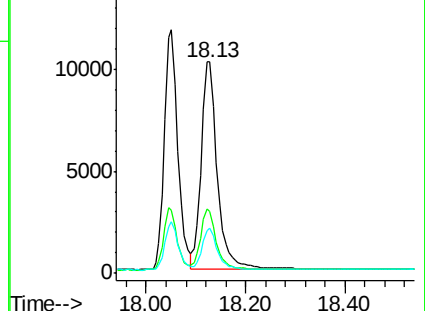
229 21.2 16.1 24.1



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: 0.55 ng

RT: 23.22 min Scan# 4084

Delta R.T. 0.01 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

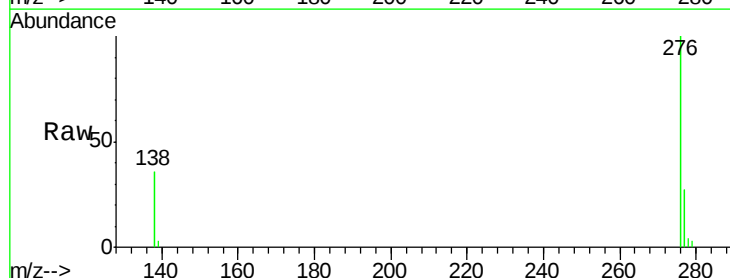
Tgt Ion:276 Resp: 11865

Ion Ratio Lower Upper

276 100

138 29.9 23.8 35.8

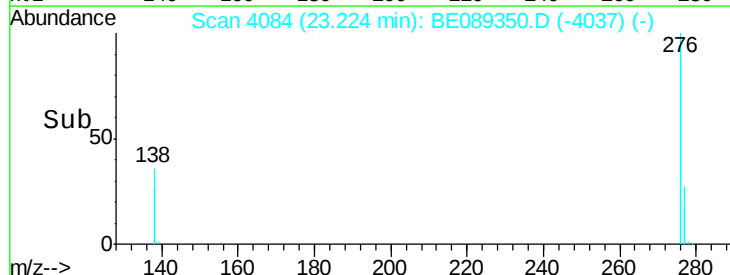
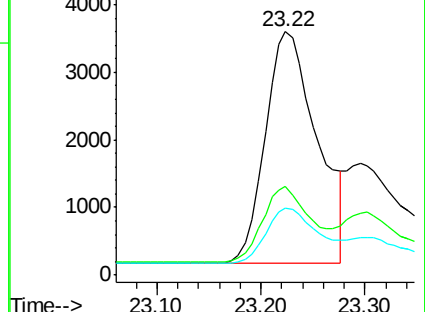
277 23.8 18.2 27.4

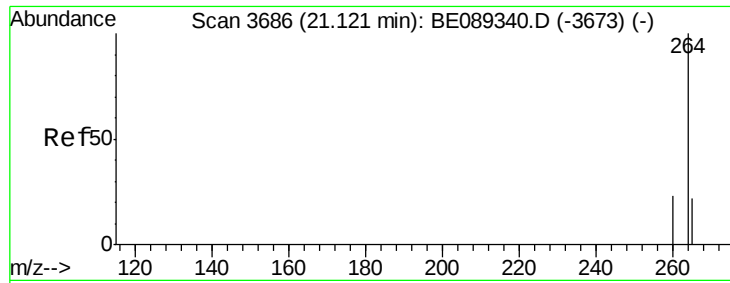


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

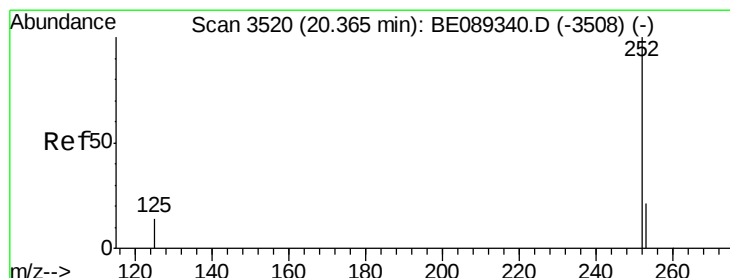
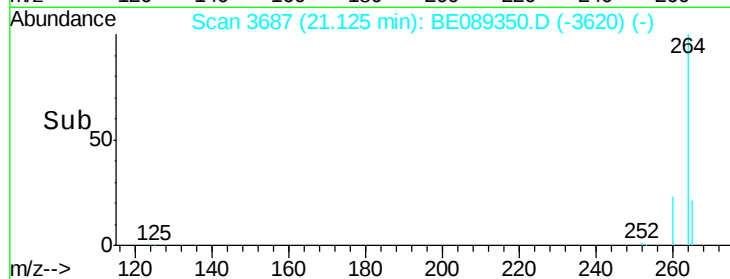
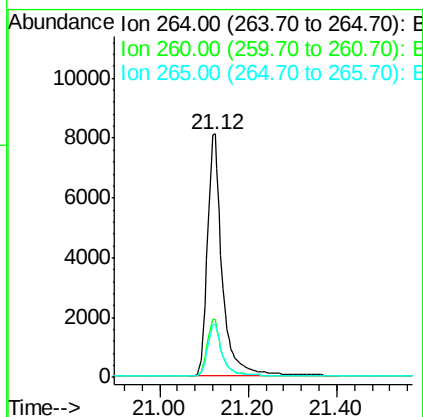
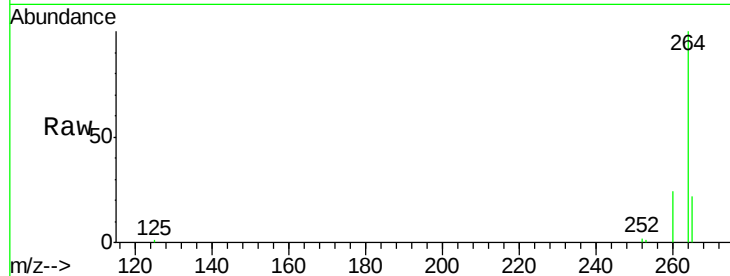




#21
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

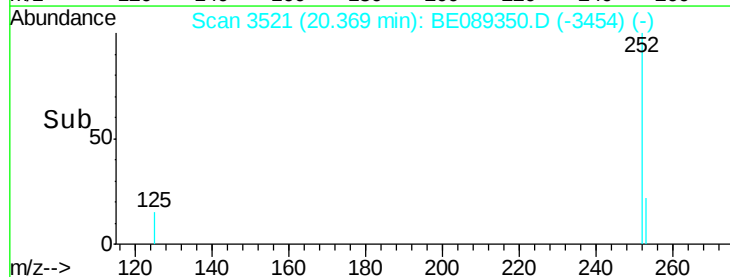
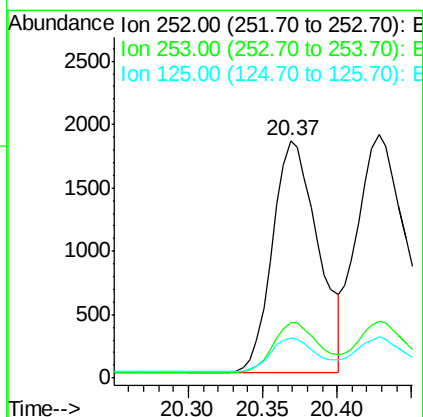
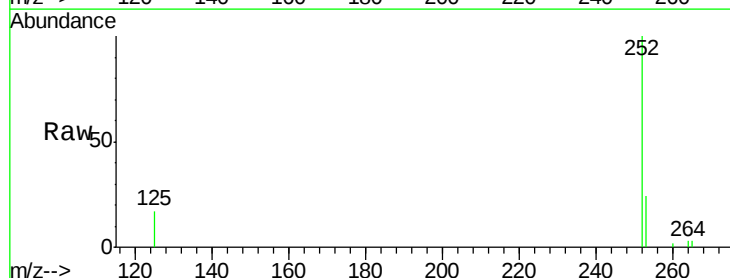
Instrument :
 BNA_E
 ClientSampleId :

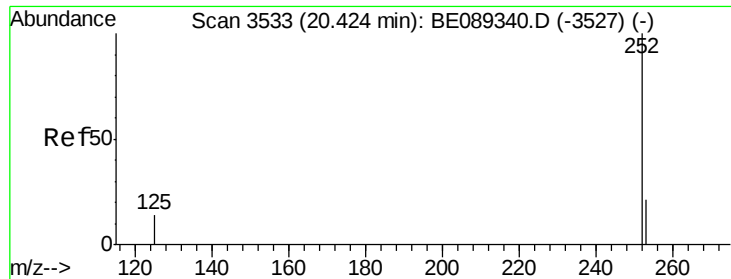
Tgt Ion:264 Resp: 18875
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.8 17.4 26.2



#22
 Benzo(b)fluoranthene
 Concen: 0.94 ng
 RT: 20.37 min Scan# 3521
 Delta R.T. 0.00 min
 Lab File: BE089350.D
 Acq: 8 Jan 2015 6:23

Tgt Ion:252 Resp: 3895
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.8 26.6
 125 17.0 12.6 18.8





#23

Benzo(k)fluoranthene

Concen: 1.03 ng

RT: 20.43 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

Instrument :

BNA_E

ClientSampleId :

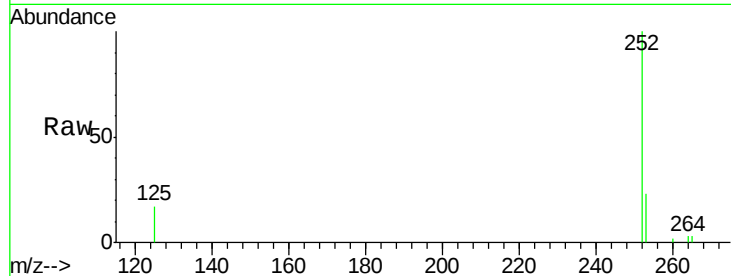
Tgt Ion:252 Resp: 5354

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

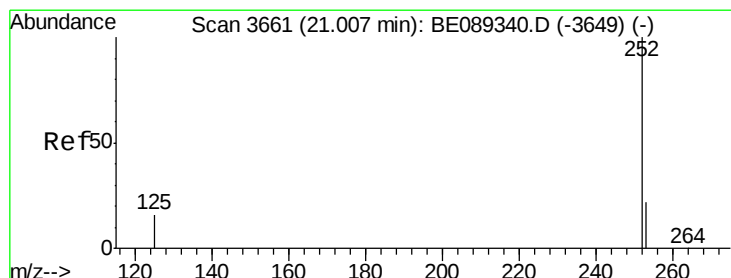
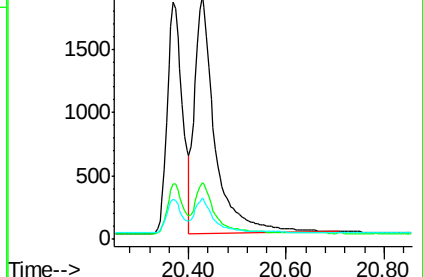
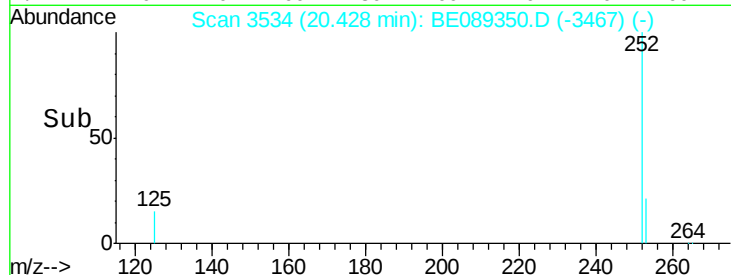
125 17.0 12.4 18.6



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: 0.98 ng

RT: 21.01 min Scan# 3662

Delta R.T. 0.00 min

Lab File: BE089350.D

Acq: 8 Jan 2015 6:23

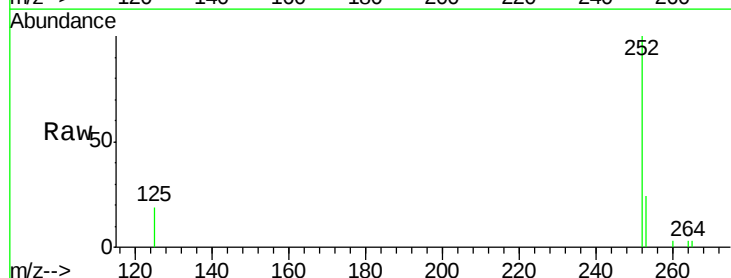
Tgt Ion:252 Resp: 3984

Ion Ratio Lower Upper

252 100

253 24.0 18.3 27.5

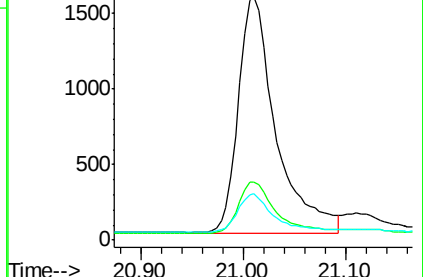
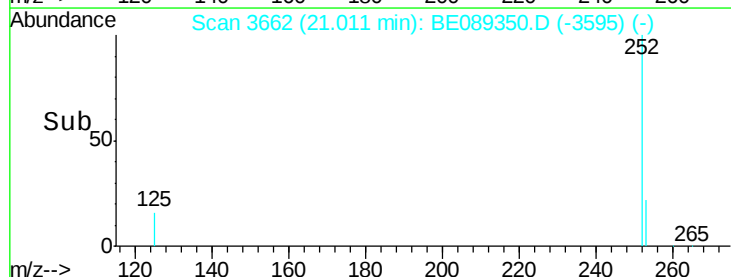
125 19.2 13.8 20.8

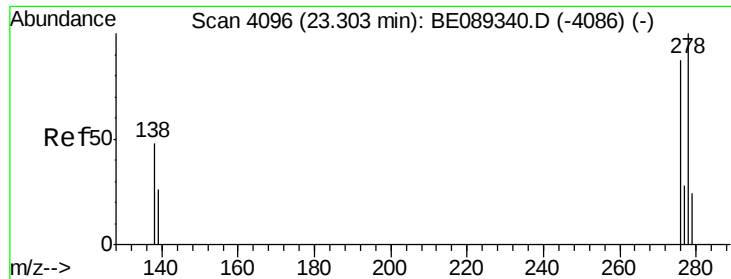


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

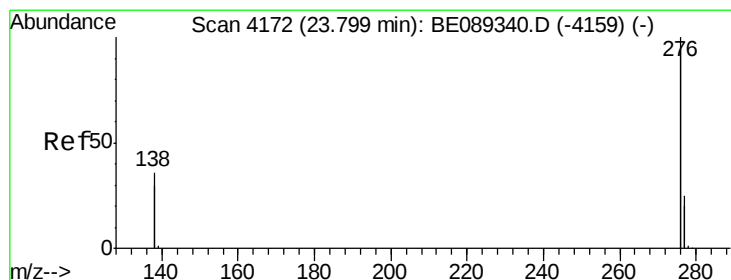
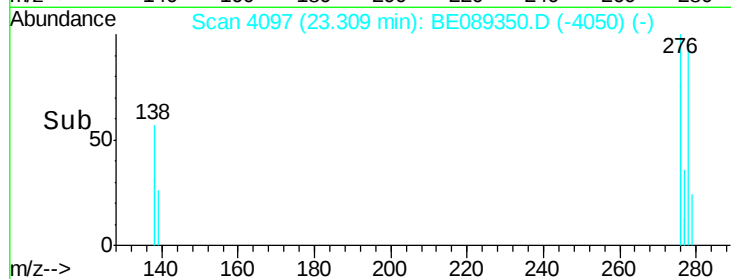
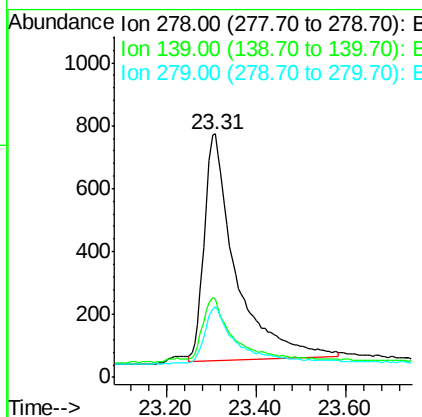
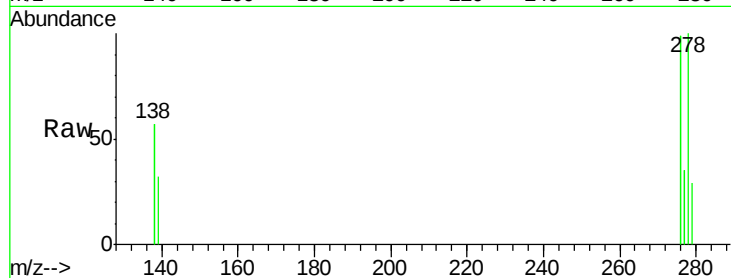




#25
Dibenzo(a,h)anthracene
Concen: 0.95 ng
RT: 23.31 min Scan# 4097
Delta R.T. 0.01 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 278 Resp: 3525
Ion Ratio Lower Upper
278 100
139 32.0 22.9 34.3
279 28.9 20.8 31.2



#26
Benzo(g,h,i)perylene
Concen: 0.99 ng
RT: 23.81 min Scan# 4174
Delta R.T. 0.01 min
Lab File: BE089350.D
Acq: 8 Jan 2015 6:23

Tgt Ion: 276 Resp: 18613
Ion Ratio Lower Upper
276 100
277 26.9 20.0 30.0
138 37.0 28.5 42.7

