

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089532.D
 Acq On : 6 Feb 2015 18:27
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020615

Quant Time: Feb 09 10:50:34 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	33516	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	125222	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	47841	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	83837	5.00	ng	0.00
16) Chrysene-d12	23.72	240	99452	5.00	ng	0.00
22) Perylene-d12	25.41	264	110375	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	7679	0.92	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	12482	0.98	ng	0.00
18) Terphenyl-d14	22.36	244	12663	0.97	ng	0.00

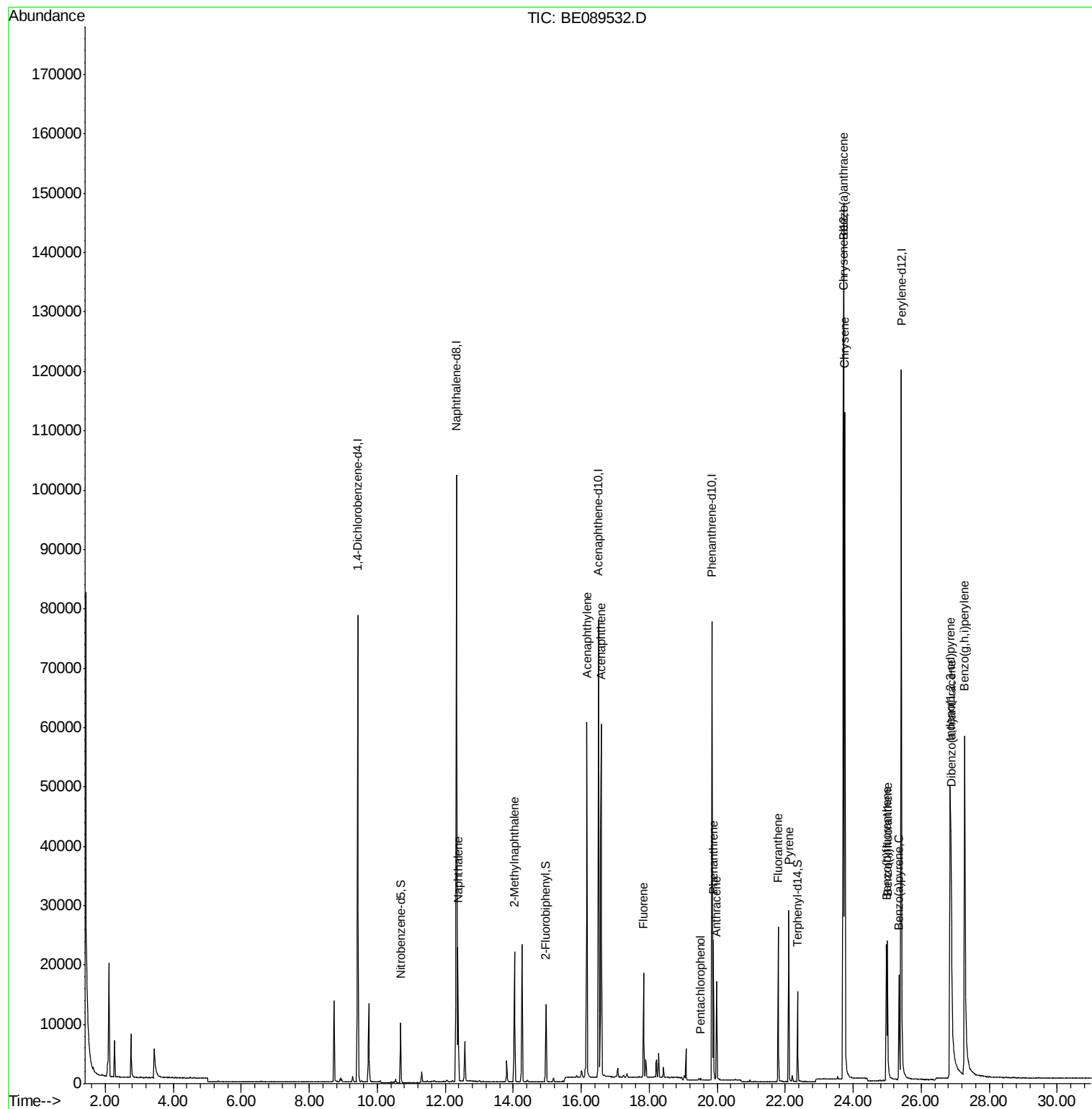
Target Compounds				Qvalue		
4) Naphthalene	12.38	128	27399	0.97	ng	100
5) 2-Methylnaphthalene	14.04	142	15162	0.95	ng	99
8) Acenaphthylene	16.16	152	78875	0.98	ng	99
9) Acenaphthene	16.59	154	12371	0.97	ng	99
10) Fluorene	17.84	166	12782	0.94	ng	99
12) Pentachlorophenol	19.52	266	163	0.79	ng	96
13) Phenanthrene	19.89	178	20257	0.98	ng	99
14) Anthracene	19.98	178	16711	0.95	ng	99
15) Fluoranthene	21.79	202	18638	0.96	ng	99
17) Pyrene	22.10	202	19823	0.94	ng	100
19) Benzo(a)anthracene	23.70	228	81804	0.92	ng	92
20) Chrysene	23.75	228	88891	0.99	ng	93
21) Indeno(1,2,3-cd)pyrene	26.85	276	115641	0.93	ng	98
23) Benzo(b)fluoranthene	24.98	252	19117	0.89	ng	99
24) Benzo(k)fluoranthene	25.00	252	25954	0.97	ng	100
25) Benzo(a)pyrene	25.35	252	19321	0.91	ng	99
26) Dibenzo(a,h)anthracene	26.88	278	24566	0.94	ng	99
27) Benzo(g,h,i)perylene	27.28	276	101176	0.95	ng	99

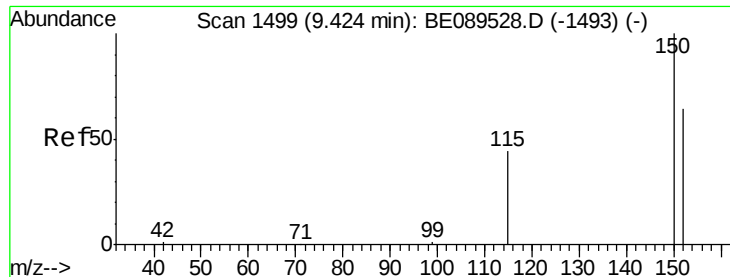
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
Data File : BE089532.D
Acq On : 6 Feb 2015 18:27
Operator : TP/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE020615

Quant Time: Feb 09 10:50:34 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

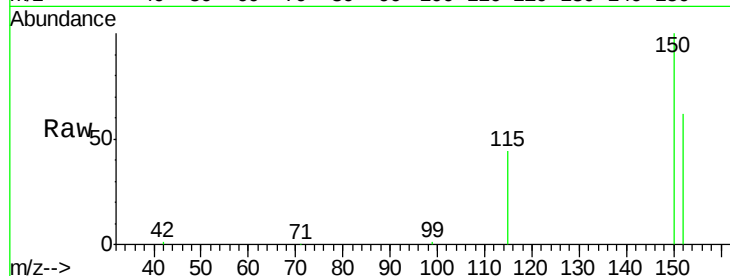
Tgt Ion:152 Resp: 33516

Ion Ratio Lower Upper

152 100

150 160.1 125.7 188.5

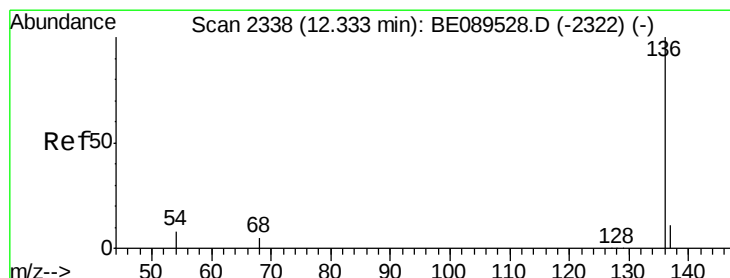
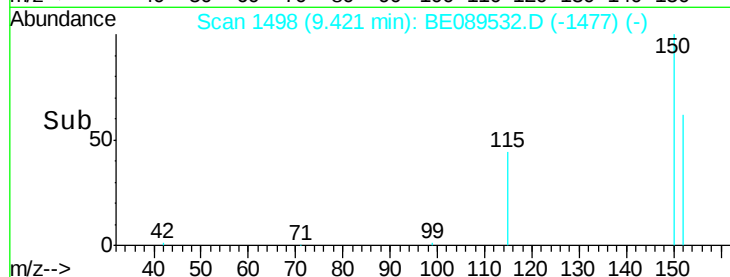
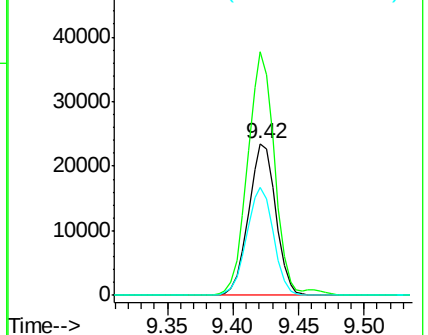
115 71.2 55.6 83.4



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. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

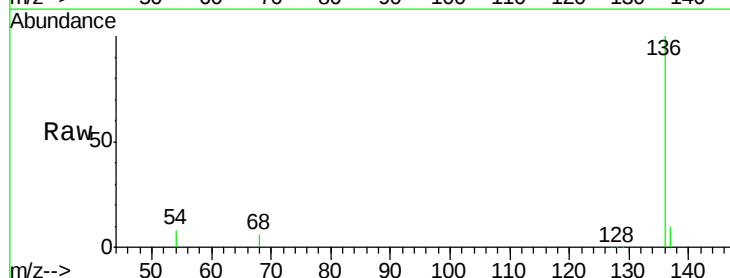
Tgt Ion:136 Resp: 125222

Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

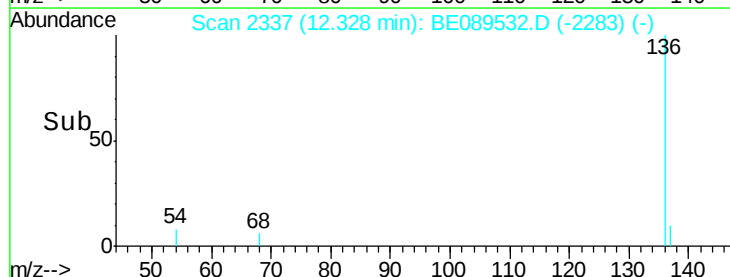
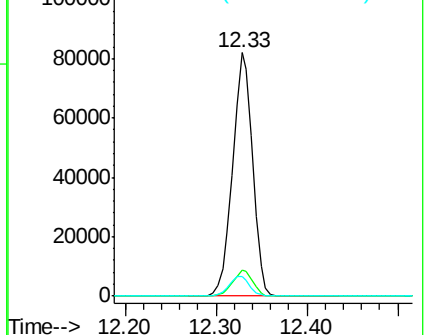
54 8.3 6.1 9.1



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: 0.92 ng

RT: 10.69 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

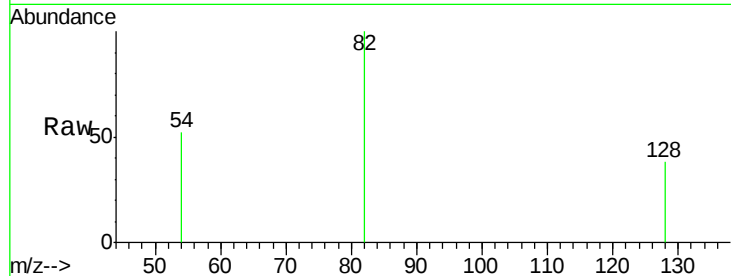
Tgt Ion: 82 Resp: 7679

Ion Ratio Lower Upper

82 100

128 38.2 30.2 45.4

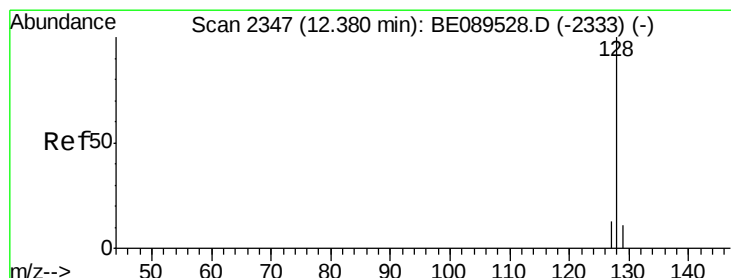
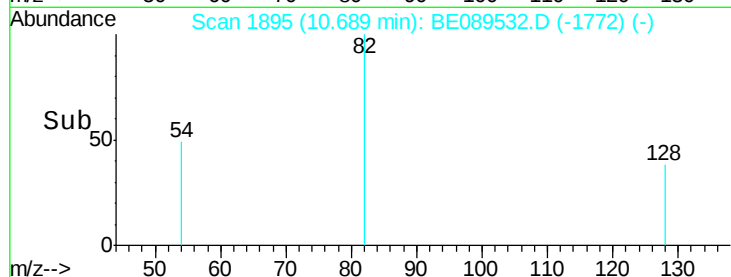
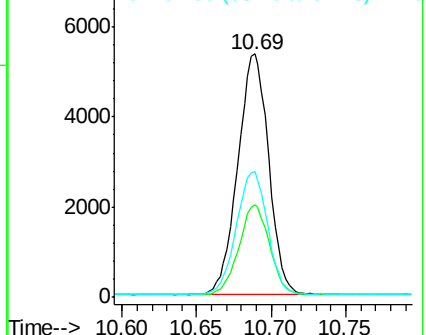
54 51.6 40.6 60.8



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: 0.97 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

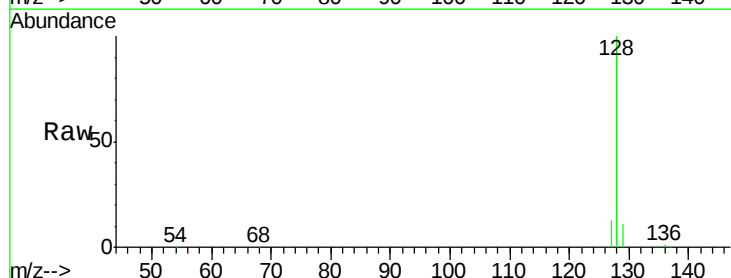
Tgt Ion: 128 Resp: 27399

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

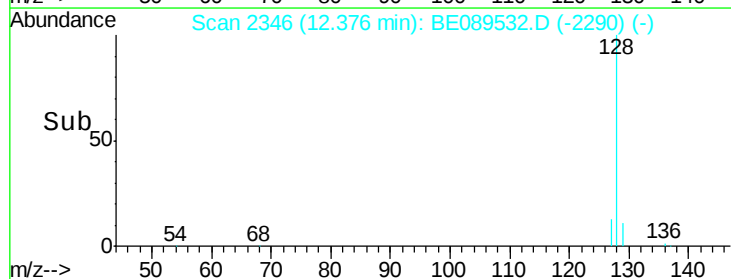
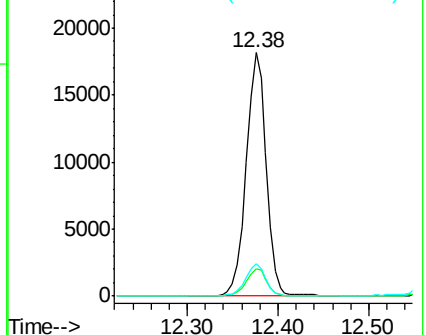
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.95 ng

RT: 14.04 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

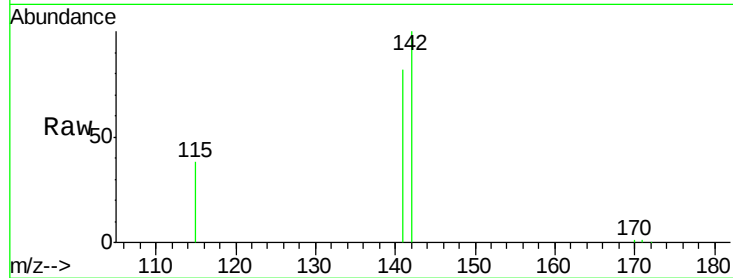
Tgt Ion:142 Resp: 15162

Ion Ratio Lower Upper

142 100

141 82.4 67.0 100.6

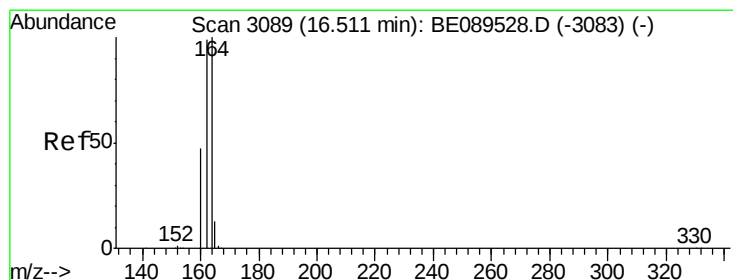
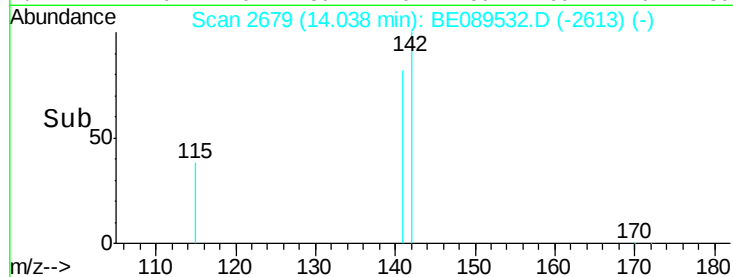
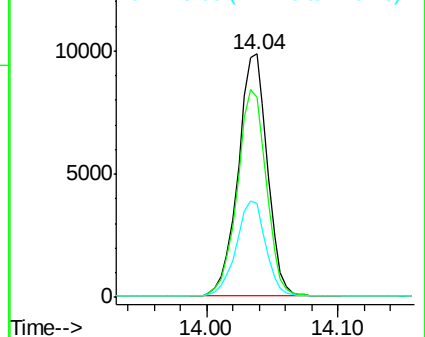
115 38.5 30.6 45.8



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: BE089532.D

Acq: 6 Feb 2015 18:27

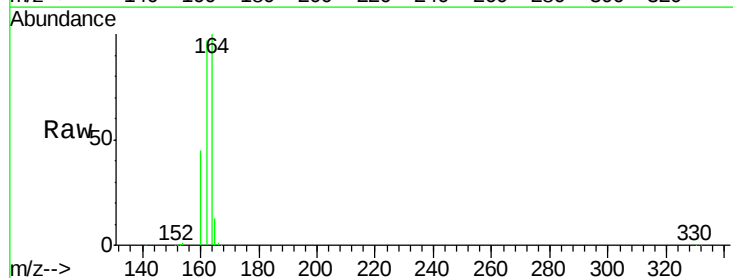
Tgt Ion:164 Resp: 47841

Ion Ratio Lower Upper

164 100

162 97.1 79.5 119.3

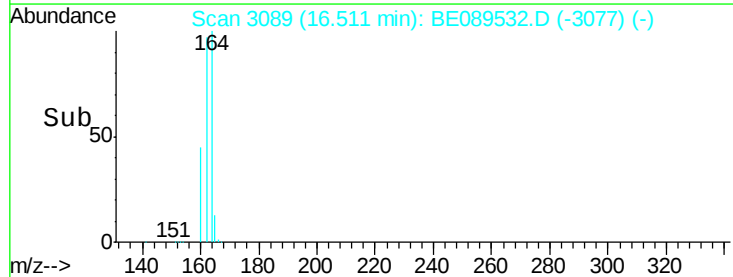
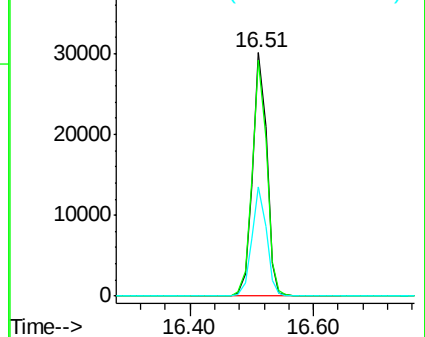
160 45.1 37.6 56.4



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: 0.98 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

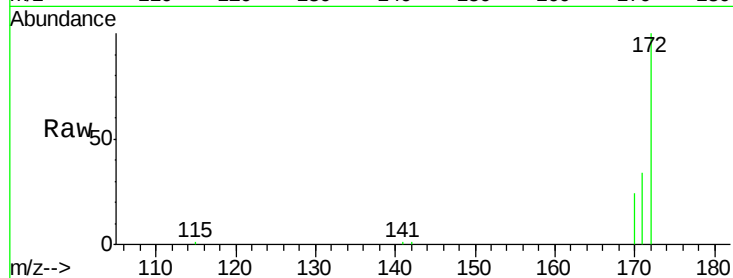
Tgt Ion:172 Resp: 12482

Ion Ratio Lower Upper

172 100

171 33.9 27.7 41.5

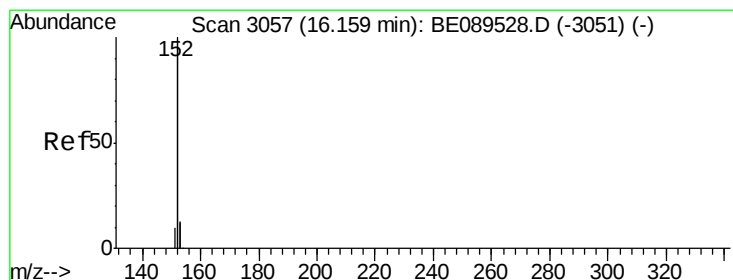
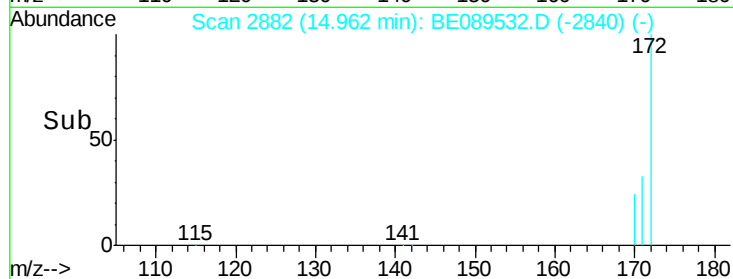
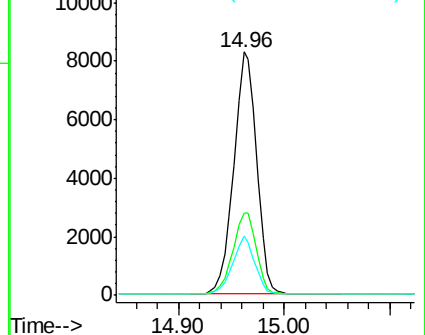
170 24.1 18.3 27.5



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: 0.98 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

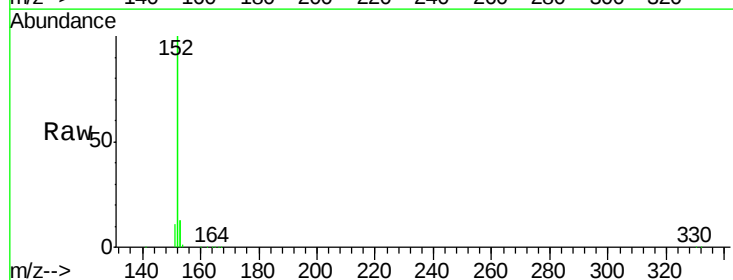
Tgt Ion:152 Resp: 78875

Ion Ratio Lower Upper

152 100

151 4.9 4.0 6.0

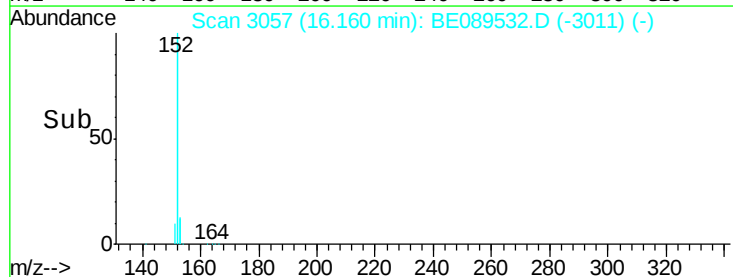
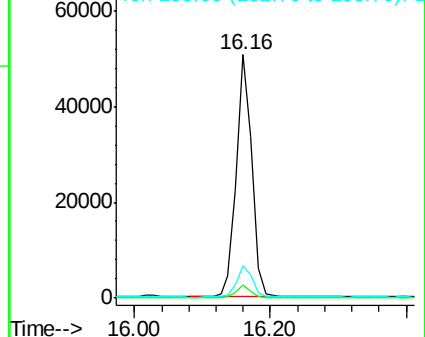
153 12.9 10.6 15.8

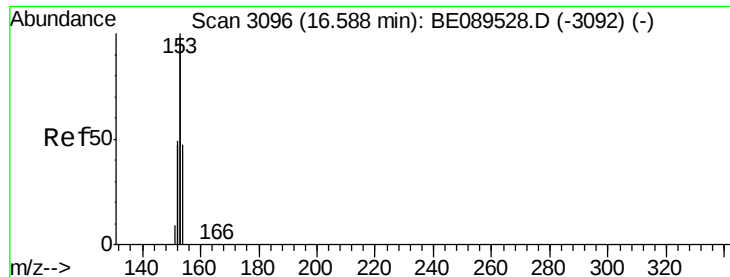


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.97 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

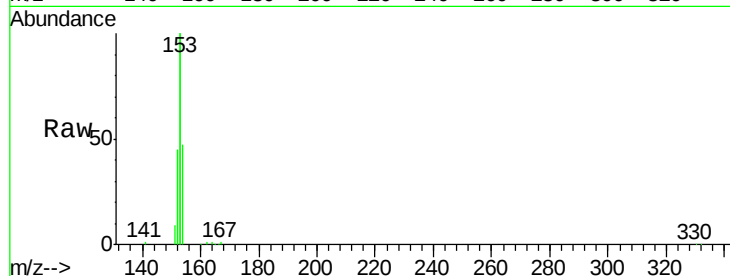
Tgt Ion:154 Resp: 12371

Ion Ratio Lower Upper

154 100

153 430.5 340.8 511.2

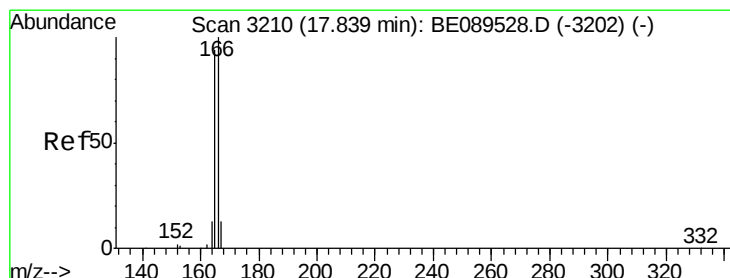
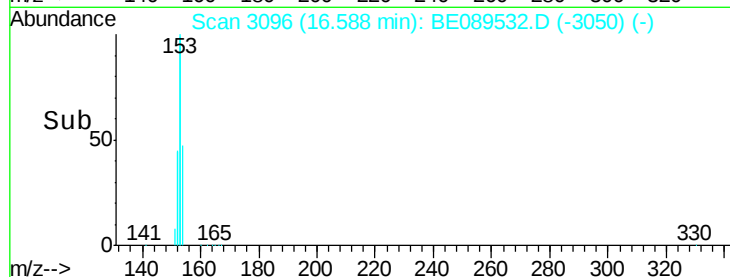
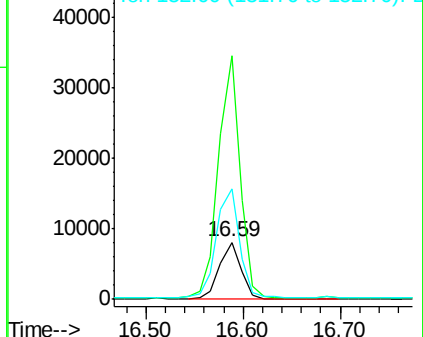
152 208.0 165.5 248.3



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: 0.94 ng

RT: 17.84 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

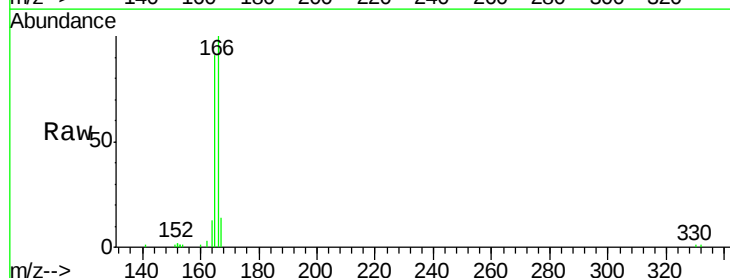
Tgt Ion:166 Resp: 12782

Ion Ratio Lower Upper

166 100

165 93.4 75.5 113.3

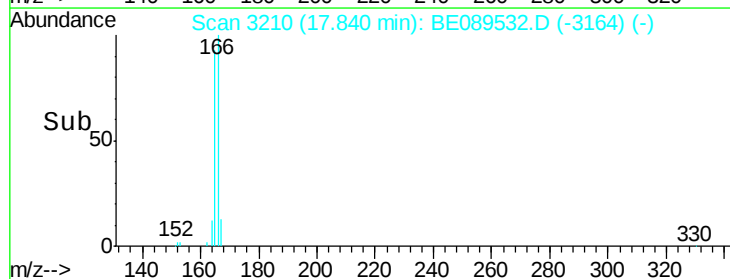
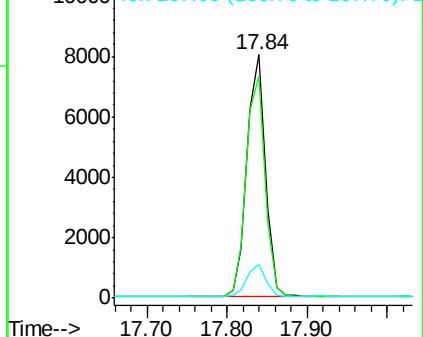
167 13.2 10.9 16.3

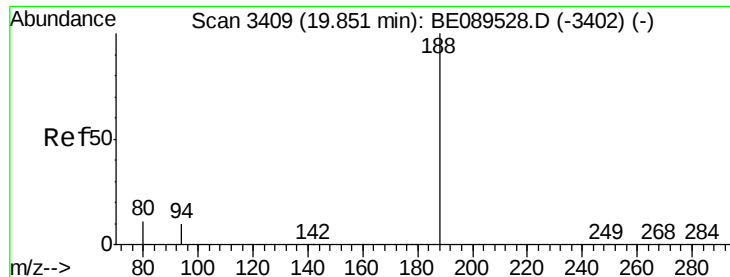


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

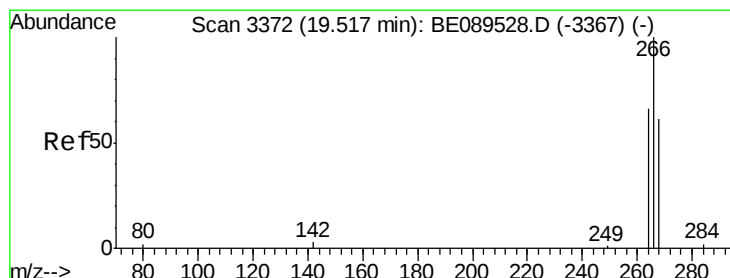
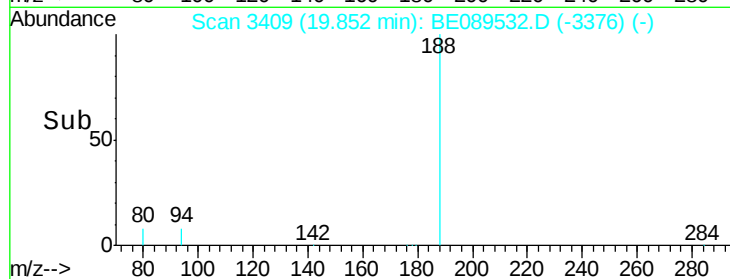
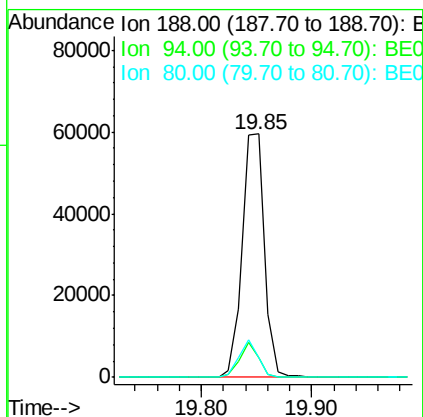
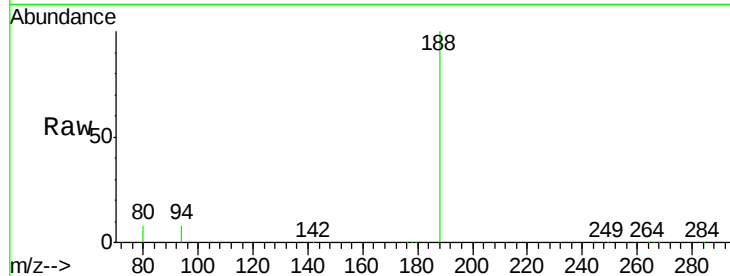




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. 0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 18:27

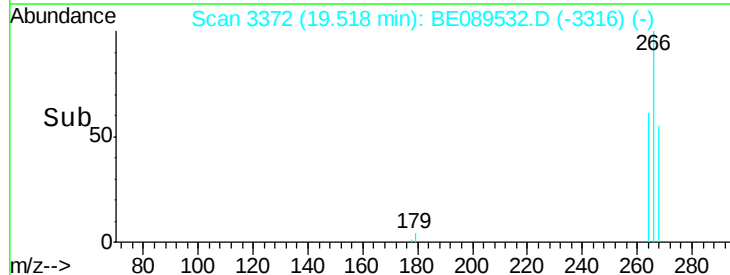
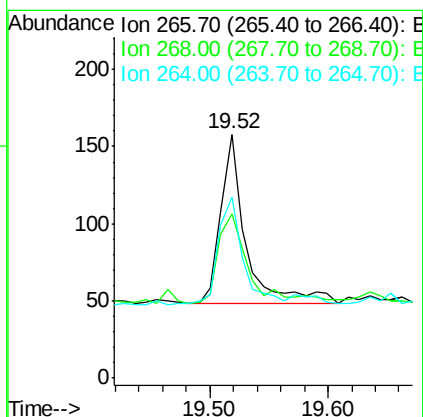
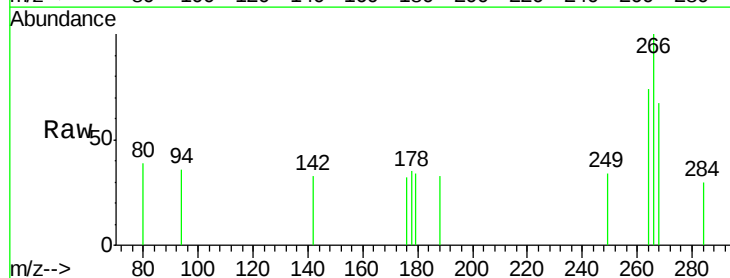
Instrument :
BNA_E
ClientSampleId :
ICVBE020615

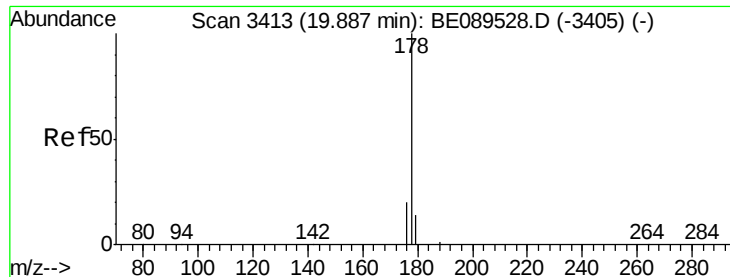
Tgt Ion:188 Resp: 83837
Ion Ratio Lower Upper
188 100
94 8.3 8.4 12.6#
80 8.1 8.6 12.8#



#12
Pentachlorophenol
Concen: 0.79 ng
RT: 19.52 min Scan# 3372
Delta R.T. 0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 18:27

Tgt Ion:266 Resp: 163
Ion Ratio Lower Upper
266 100
268 67.1 57.9 86.9
264 74.1 60.2 90.4

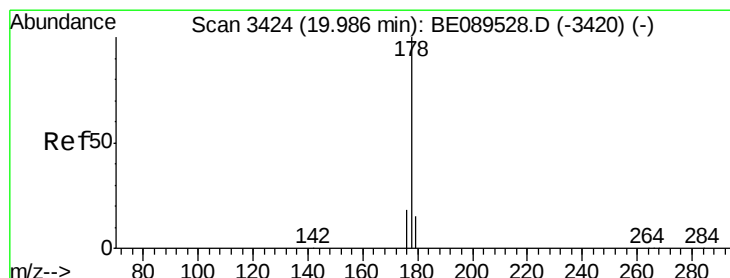
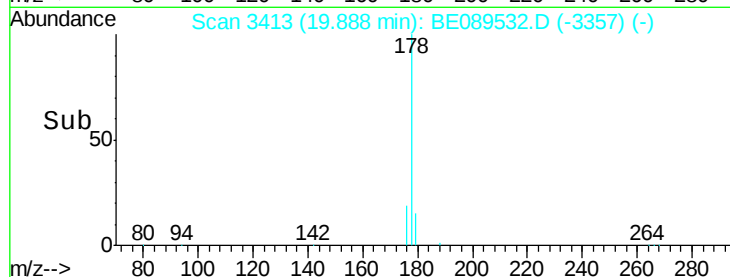
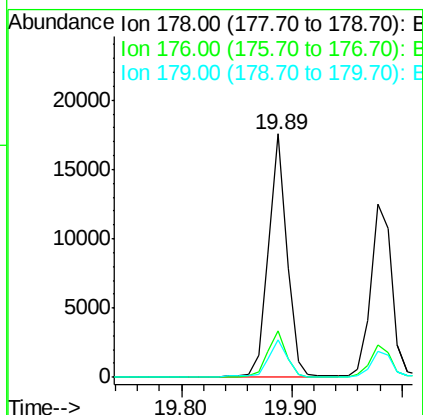
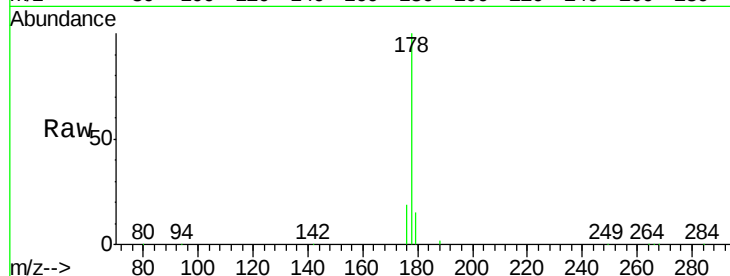




#13
Phenanthrene
Concen: 0.98 ng
RT: 19.89 min Scan# 3413
Delta R.T. 0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 18:27

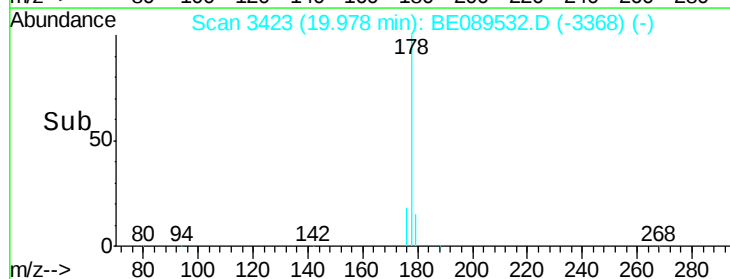
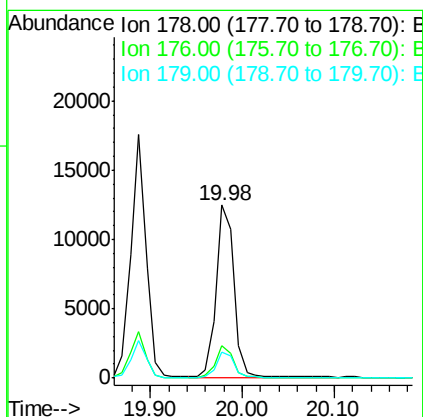
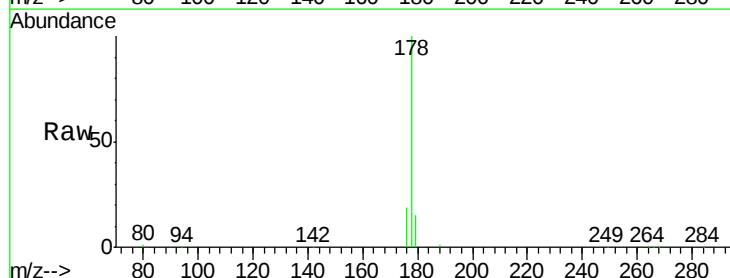
Instrument :
BNA_E
ClientSampleId :
ICVBE020615

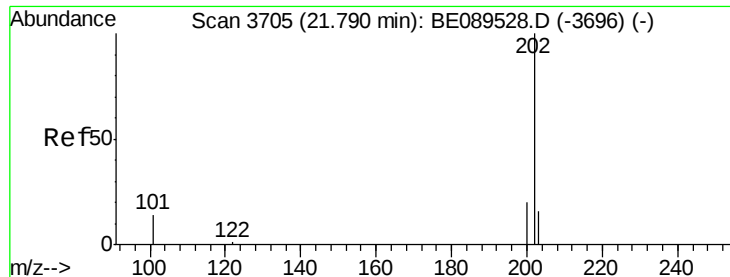
Tgt Ion:178 Resp: 20257
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.4 12.2 18.2



#14
Anthracene
Concen: 0.95 ng
RT: 19.98 min Scan# 3423
Delta R.T. -0.01 min
Lab File: BE089532.D
Acq: 6 Feb 2015 18:27

Tgt Ion:178 Resp: 16711
Ion Ratio Lower Upper
178 100
176 17.8 14.5 21.7
179 14.5 12.2 18.2

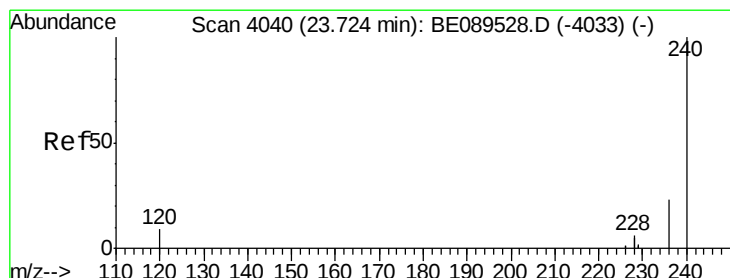
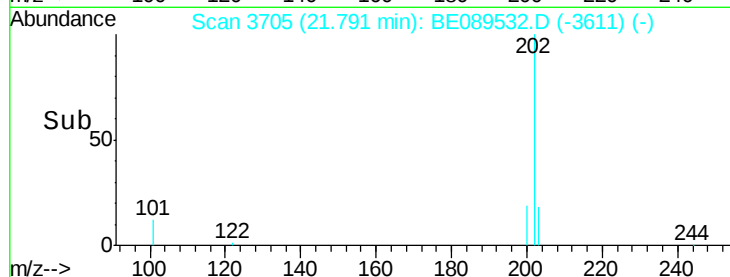
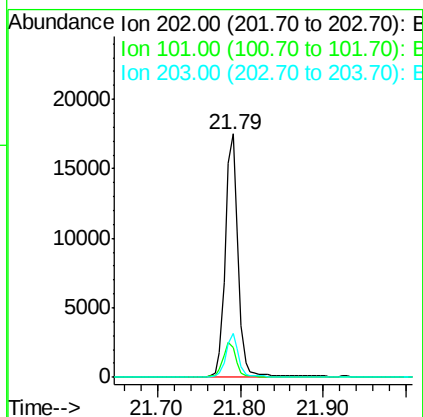
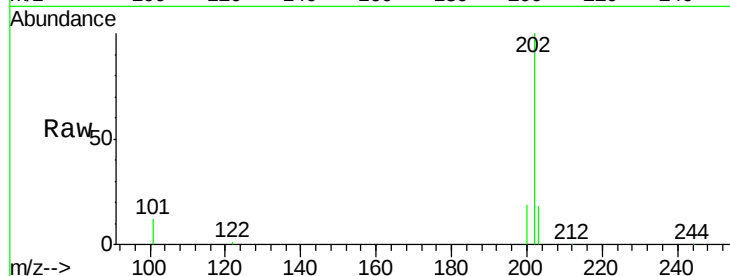




#15
 Fluoranthene
 Concen: 0.96 ng
 RT: 21.79 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BE089532.D
 Acq: 6 Feb 2015 18:27

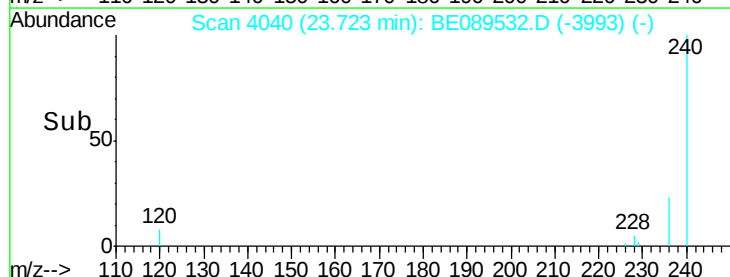
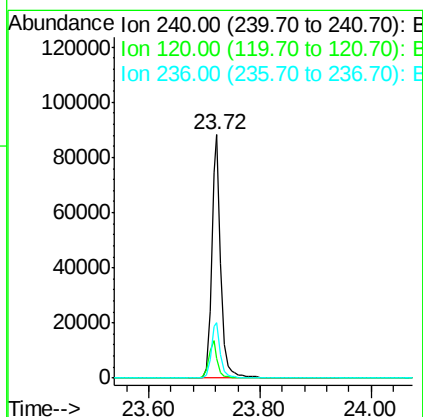
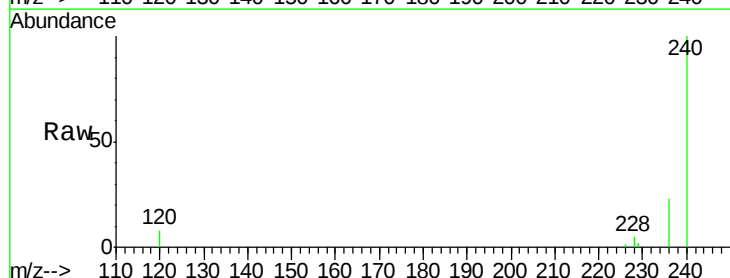
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020615

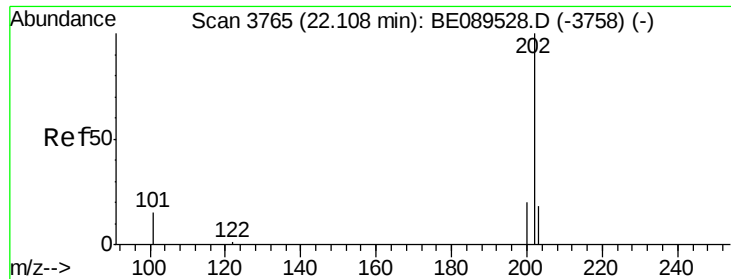
Tgt Ion: 202 Resp: 18638
 Ion Ratio Lower Upper
 202 100
 101 14.0 11.6 17.4
 203 16.8 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4040
 Delta R.T. -0.00 min
 Lab File: BE089532.D
 Acq: 6 Feb 2015 18:27

Tgt Ion: 240 Resp: 99452
 Ion Ratio Lower Upper
 240 100
 120 7.9 7.2 10.8
 236 22.7 18.5 27.7





#17

Pyrene

Concen: 0.94 ng

RT: 22.10 min Scan# 3764

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

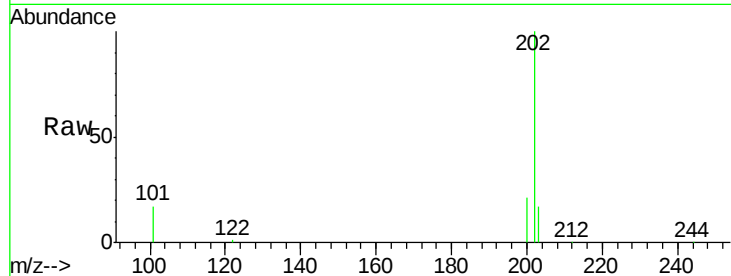
Tgt Ion:202 Resp: 19823

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

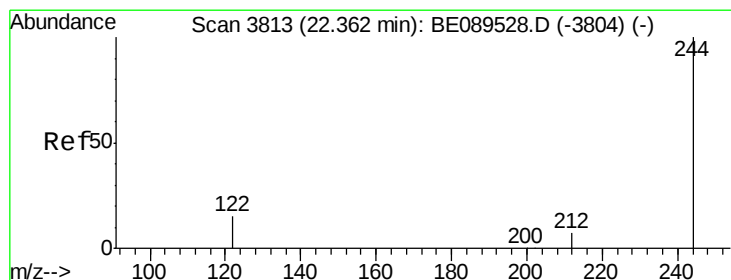
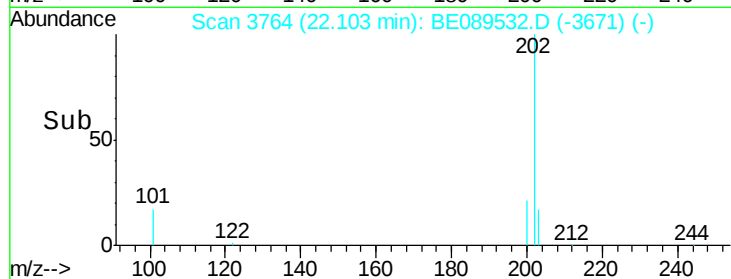
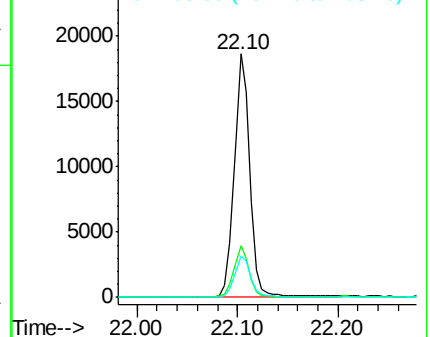
203 17.0 13.5 20.3



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: 0.97 ng

RT: 22.36 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

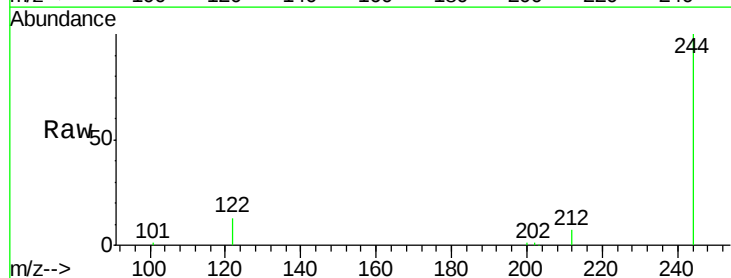
Tgt Ion:244 Resp: 12663

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

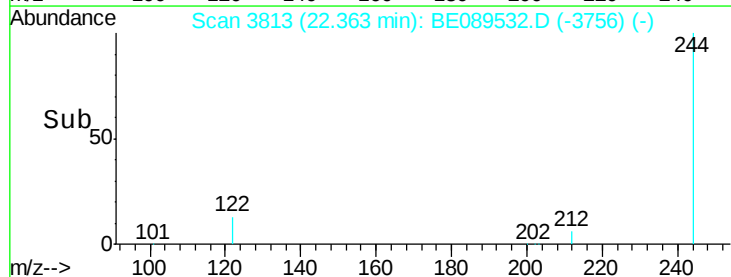
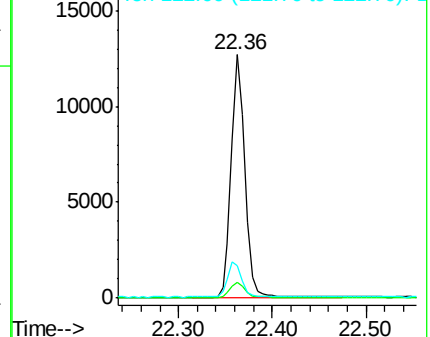
122 13.1 12.6 19.0



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: 0.92 ng

RT: 23.70 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

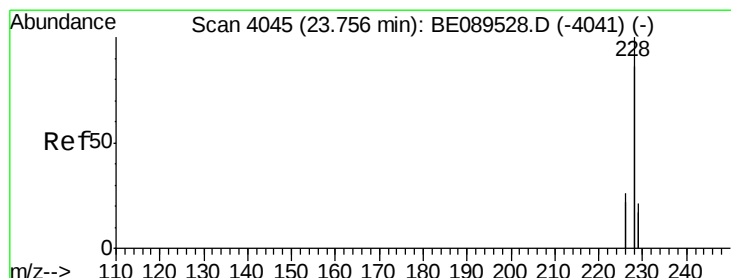
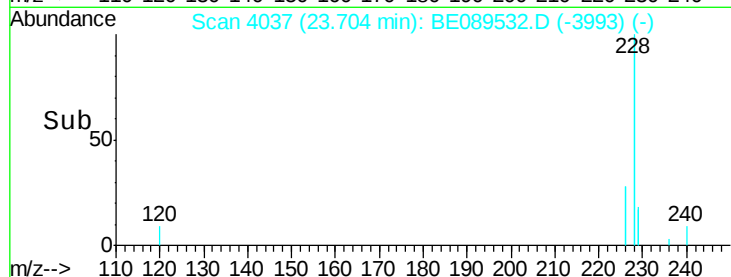
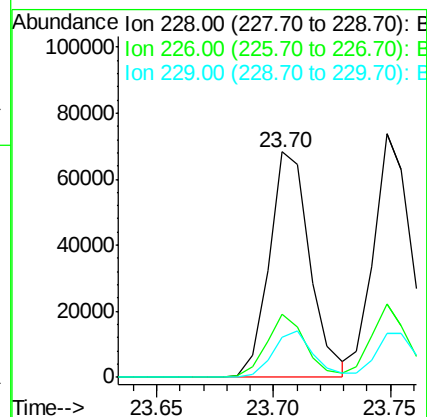
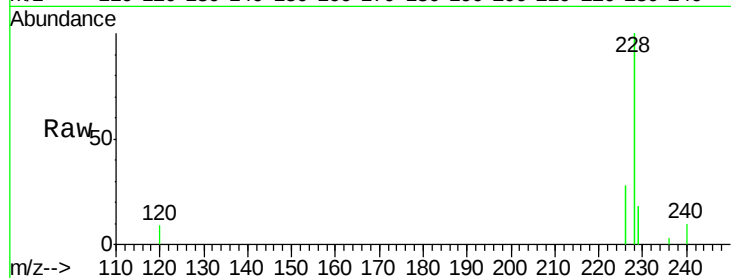
Tgt Ion:228 Resp: 81804

Ion Ratio Lower Upper

228 100

226 28.1 19.0 28.4

229 17.6 16.8 25.2



#20

Chrysene

Concen: 0.99 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

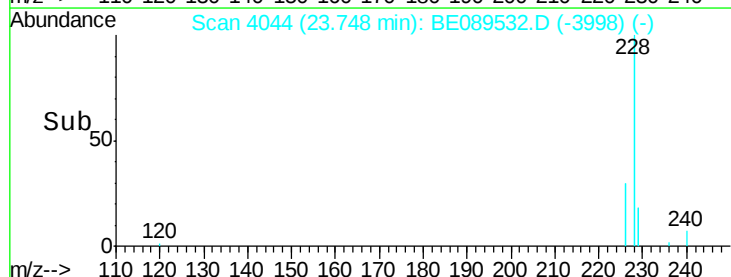
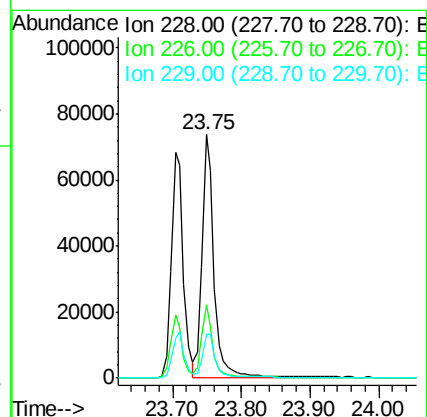
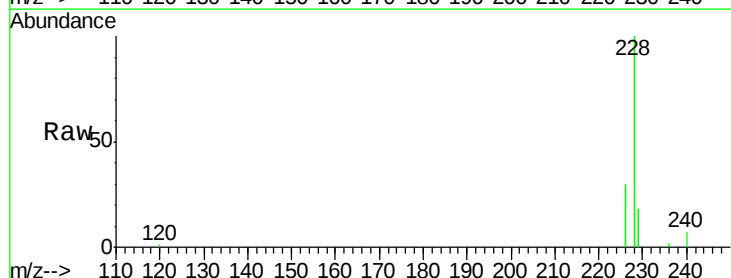
Tgt Ion:228 Resp: 88891

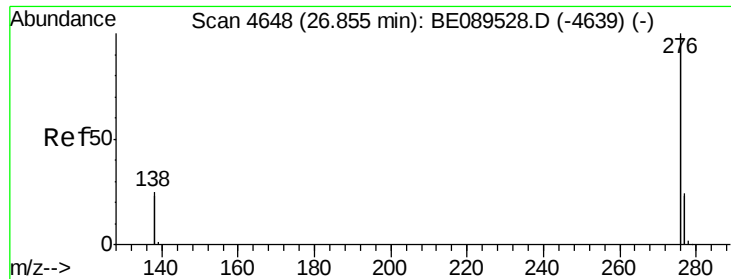
Ion Ratio Lower Upper

228 100

226 30.2 21.0 31.4

229 18.2 16.7 25.1





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.93 ng

RT: 26.85 min Scan# 4647

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

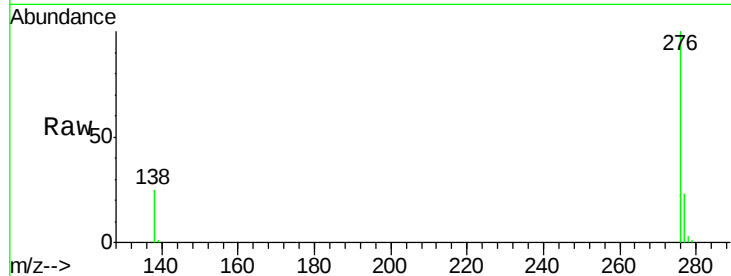
Tgt Ion:276 Resp: 115641

Ion Ratio Lower Upper

276 100

138 27.6 23.0 34.4

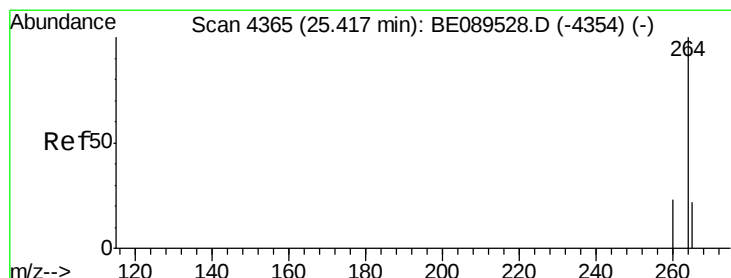
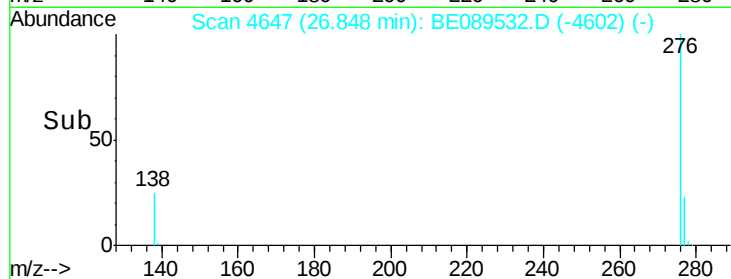
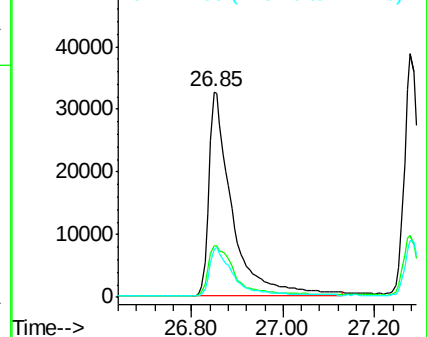
277 24.5 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.41 min Scan# 4365

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

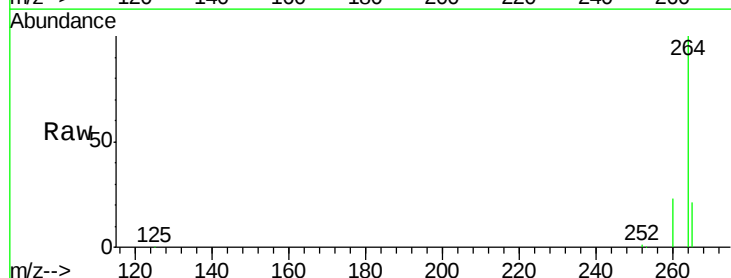
Tgt Ion:264 Resp: 110375

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

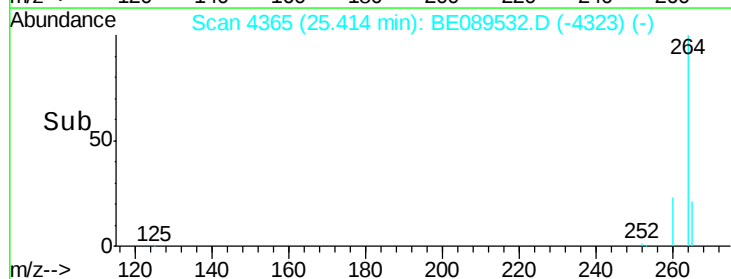
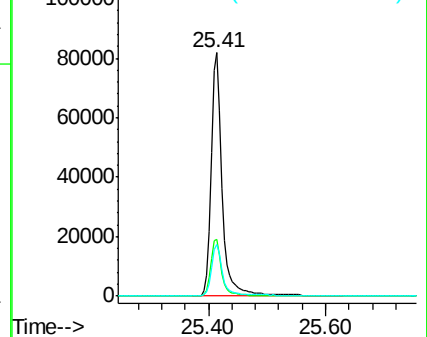
265 21.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

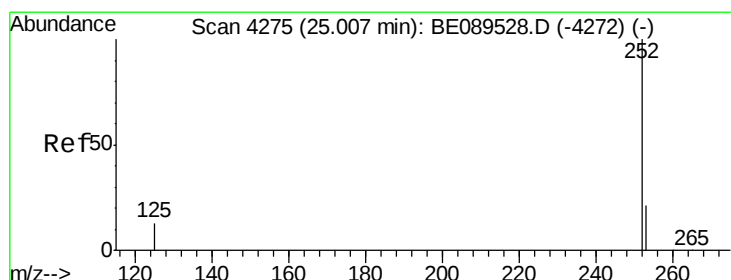
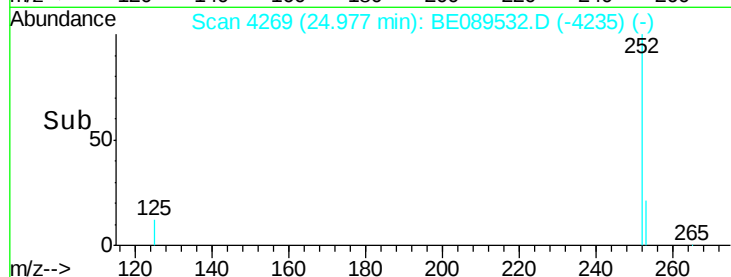
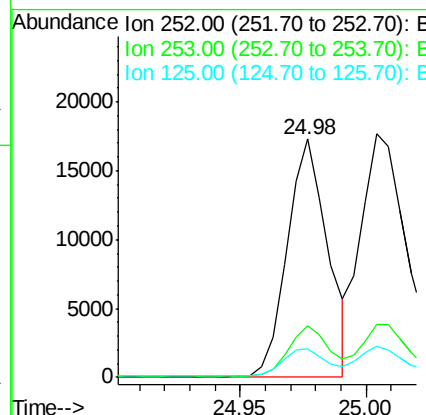
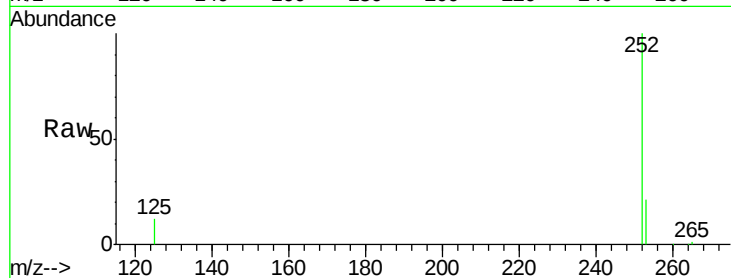




#23
Benzo(b)fluoranthene
Concen: 0.89 ng
RT: 24.98 min Scan# 4269
Delta R.T. -0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 18:27

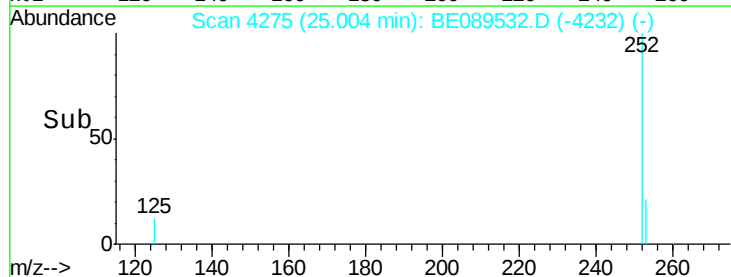
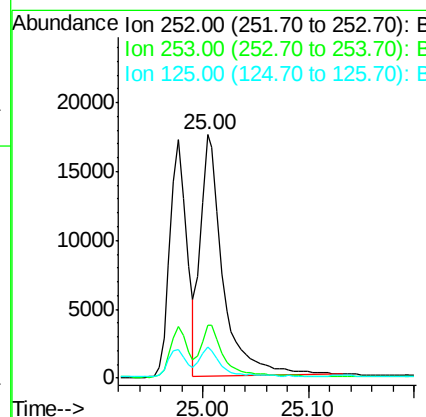
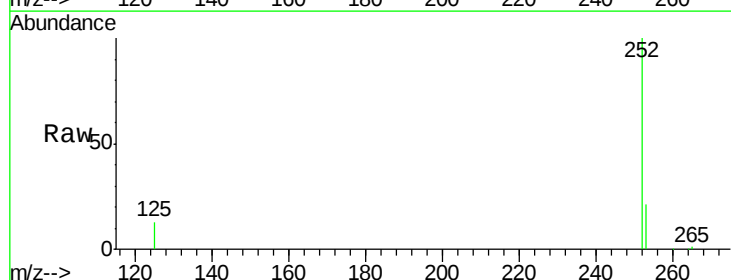
Instrument :
BNA_E
ClientSampleId :
ICVBE020615

Tgt Ion:252 Resp: 19117
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 12.2 10.4 15.6



#24
Benzo(k)fluoranthene
Concen: 0.97 ng
RT: 25.00 min Scan# 4275
Delta R.T. -0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 18:27

Tgt Ion:252 Resp: 25954
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 12.7 10.6 15.8





#25

Benzo(a)pyrene

Concen: 0.91 ng

RT: 25.35 min Scan# 4350

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

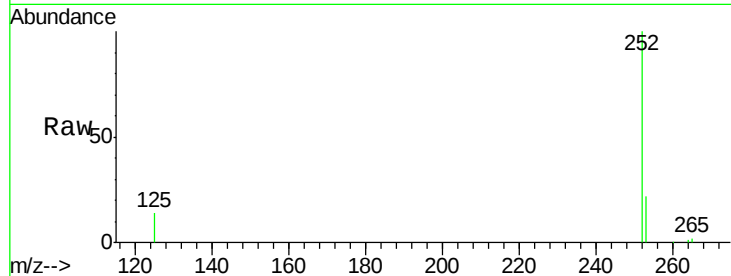
Tgt Ion:252 Resp: 19321

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

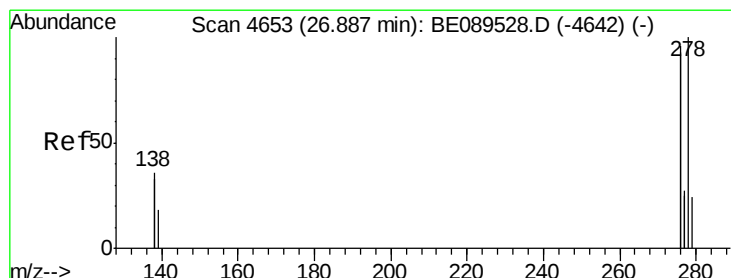
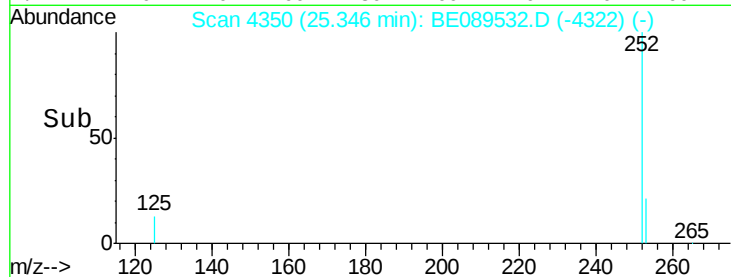
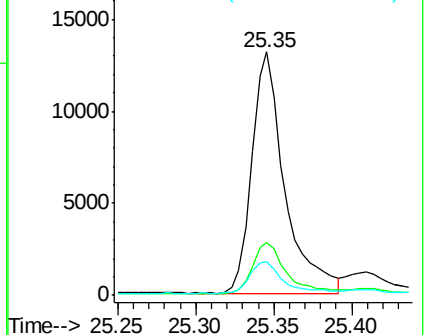
125 14.0 11.4 17.2



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: 0.94 ng

RT: 26.88 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 18:27

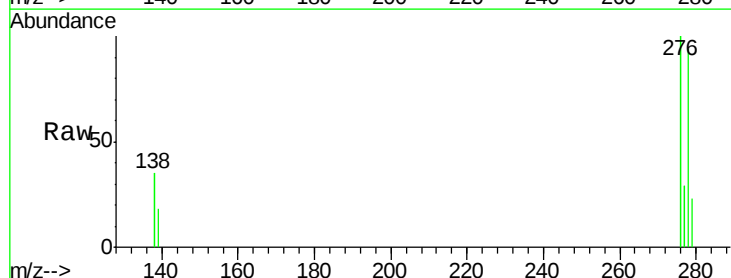
Tgt Ion:278 Resp: 24566

Ion Ratio Lower Upper

278 100

139 19.0 15.7 23.5

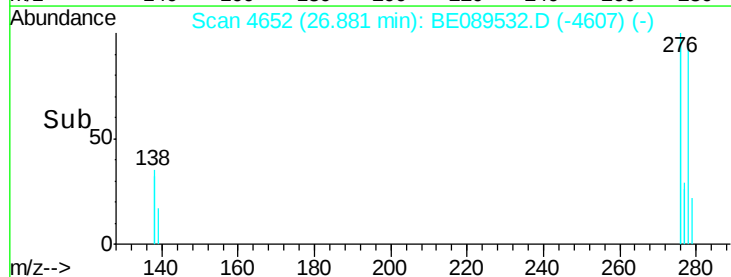
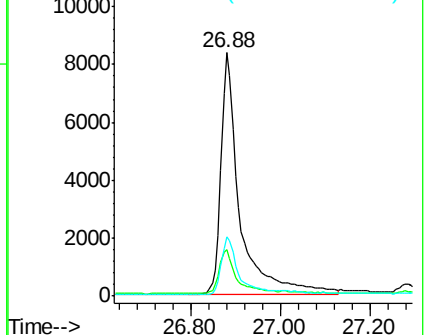
279 24.4 19.5 29.3

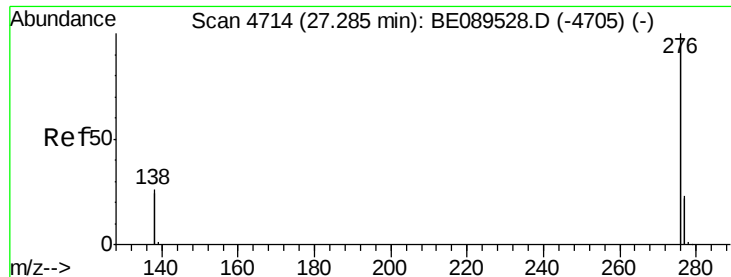


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

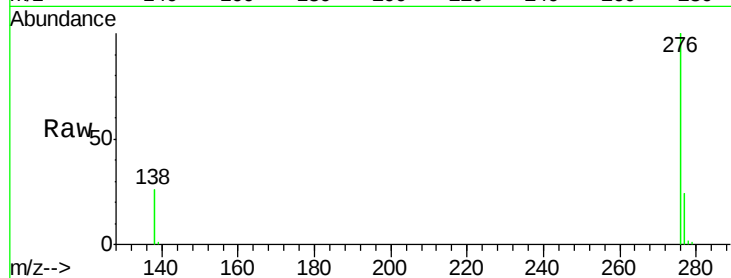




#27
 Benzo(g,h,i)perylene
 Concen: 0.95 ng
 RT: 27.28 min Scan# 4713
 Delta R.T. -0.01 min
 Lab File: BE089532.D
 Acq: 6 Feb 2015 18:27

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020615

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	27.8
138	25.6	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

