

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089532.D
 Acq On : 6 Feb 2015 17:48
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE020615

Quant Time: Feb 07 04:30:36 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	39457	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	142999	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	48648	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	63867	5.00	ng	0.00
16) Chrysene-d12	23.72	240	49221	5.00	ng	0.00
22) Perylene-d12	25.41	264	60855	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	9178	0.97	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	13538	1.04	ng	0.00
18) Terphenyl-d14	22.36	244	6583	1.01	ng	0.00

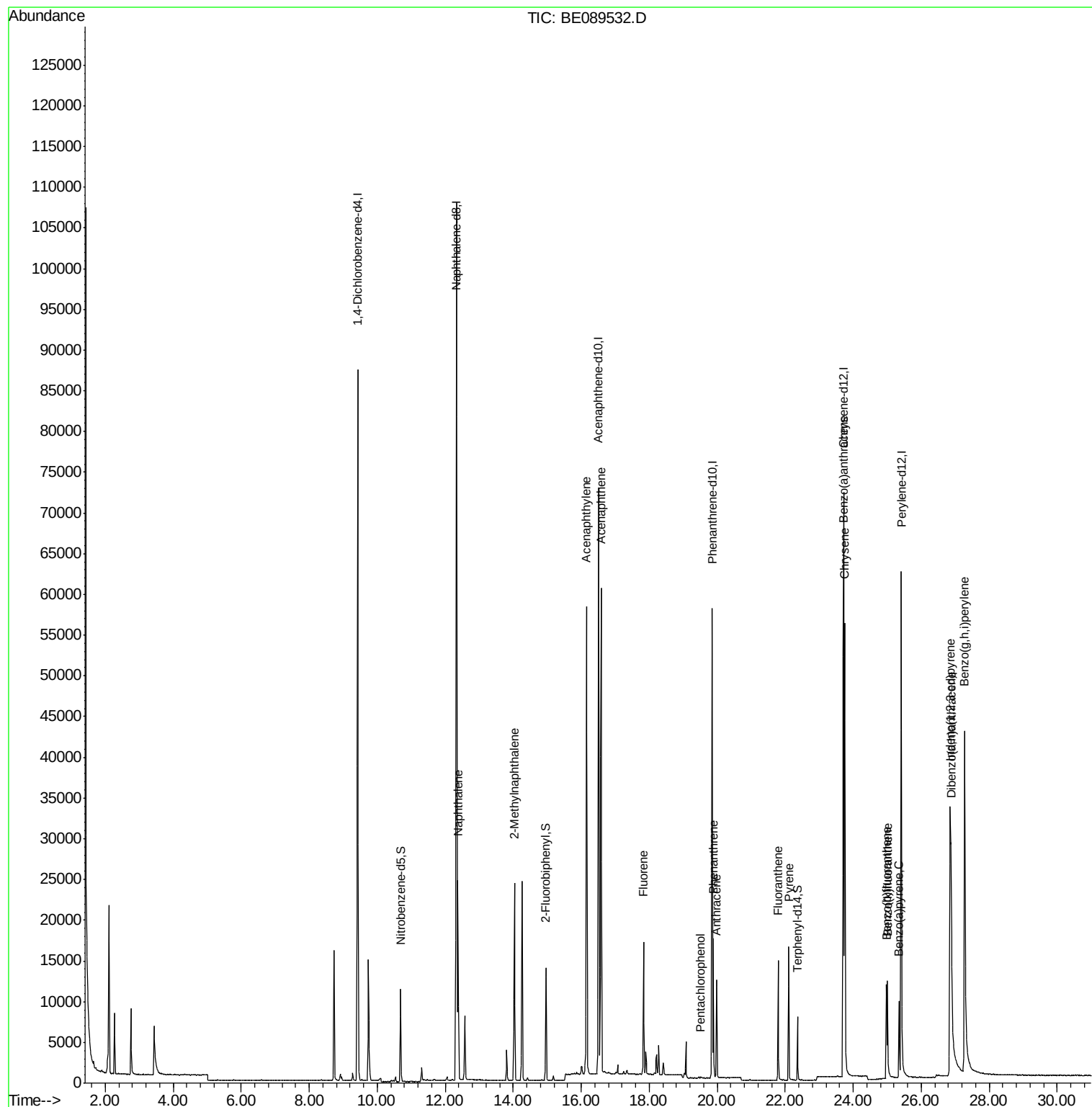
Target Compounds						Qvalue
4) Naphthalene	12.38	128	31689	0.98	ng	99
5) 2-Methylnaphthalene	14.03	142	16943	0.93	ng	97
8) Acenaphthylene	16.16	152	80561	0.98	ng	99
9) Acenaphthene	16.59	154	12623	0.97	ng	100
10) Fluorene	17.84	166	11756	0.85	ng	98
12) Pentachlorophenol	19.52	266	97	0.73	ng	# 85
13) Phenanthrene	19.89	178	15299	0.97	ng	100
14) Anthracene	19.98	178	12469	0.93	ng	100
15) Fluoranthene	21.79	202	10975	0.74	ng	100
17) Pyrene	22.10	202	11328	1.08	ng	99
19) Benzo(a)anthracene	23.70	228	38501	0.88	ng	94
20) Chrysene	23.75	228	44599	1.00	ng	95
21) Indeno(1,2,3-cd)pyrene	26.86	276	79604	1.29	ng	98
23) Benzo(b)fluoranthene	24.98	252	9767	0.83	ng	98
24) Benzo(k)fluoranthene	25.00	252	13811	0.94	ng	98
25) Benzo(a)pyrene	25.35	252	10355	0.88	ng	99
26) Dibenzo(a,h)anthracene	26.88	278	15767	1.09	ng	99
27) Benzo(g,h,i)perylene	27.28	276	73936	1.26	ng	100

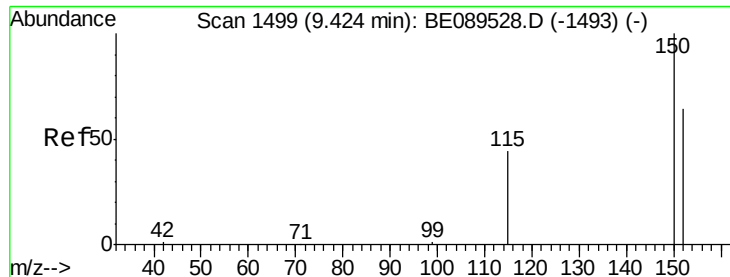
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

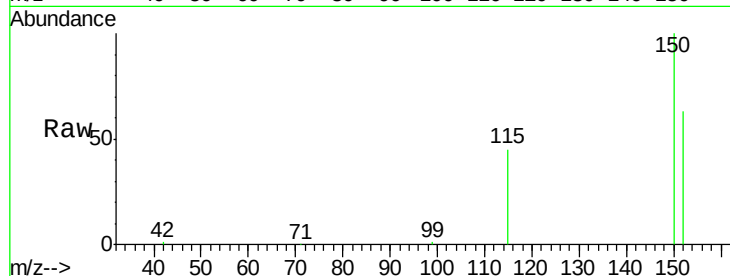
Tgt Ion:152 Resp: 39457

Ion Ratio Lower Upper

152 100

150 157.9 125.7 188.5

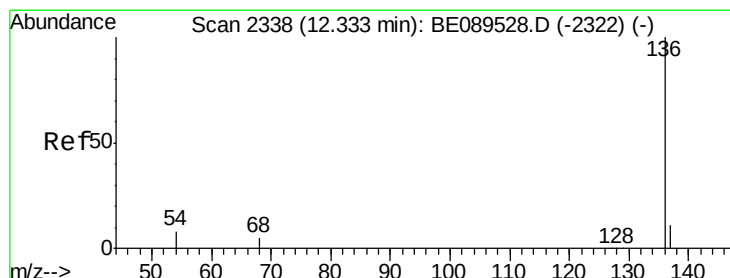
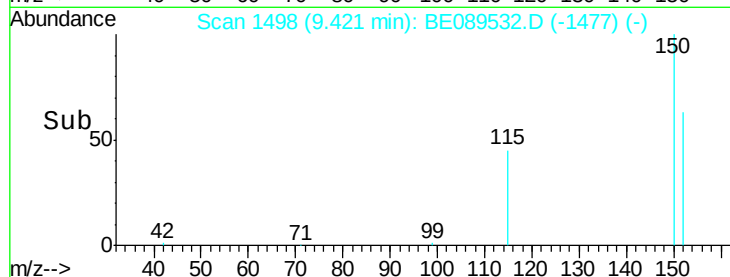
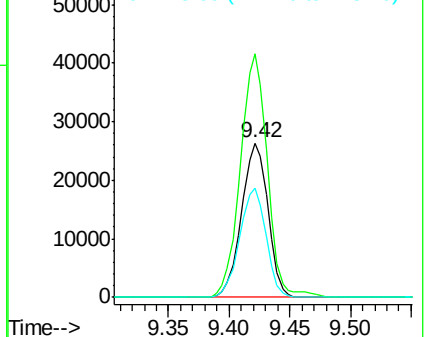
115 71.1 55.6 83.4



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# 2338

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

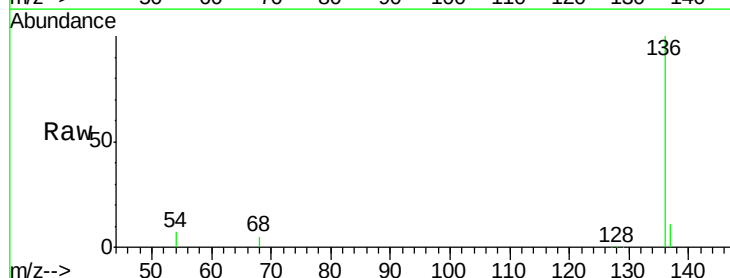
Tgt Ion:136 Resp: 142999

Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

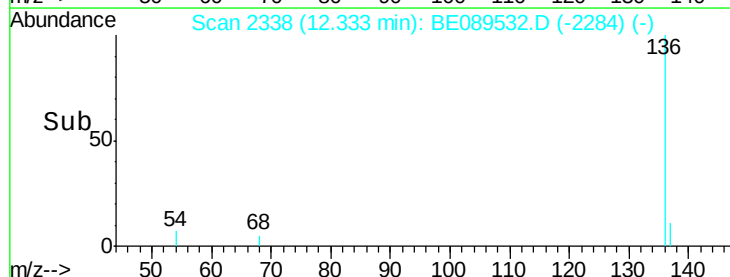
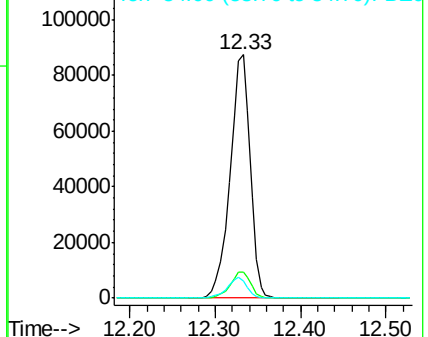
54 7.1 6.1 9.1

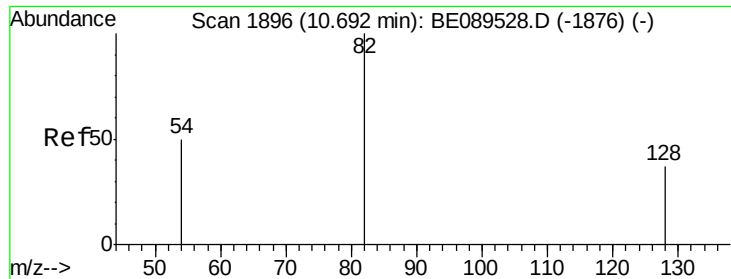


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.97 ng

RT: 10.69 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

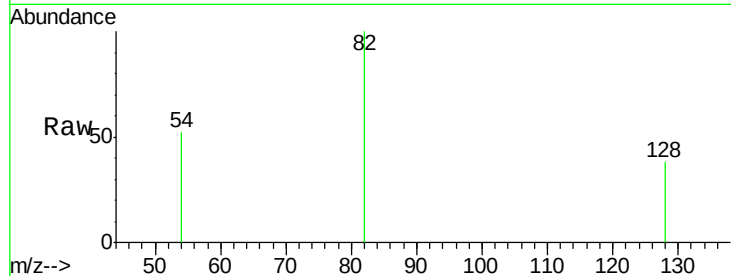
Tgt Ion: 82 Resp: 9178

Ion Ratio Lower Upper

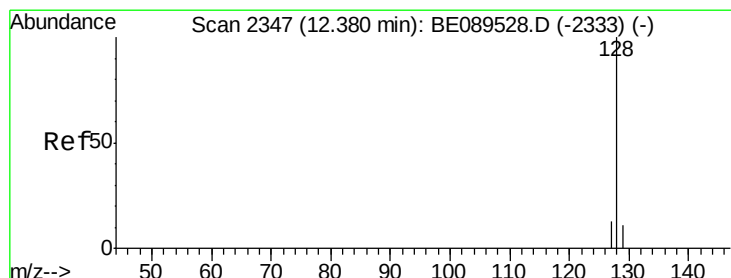
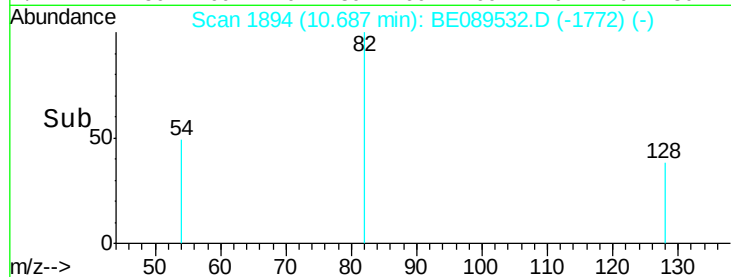
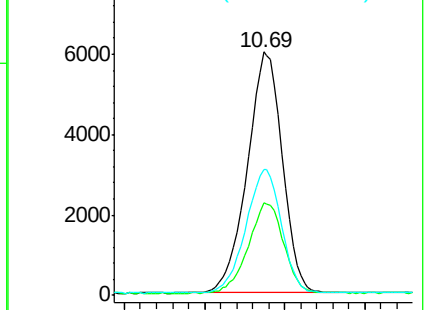
82 100

128 38.1 30.2 45.4

54 51.9 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: 0.98 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

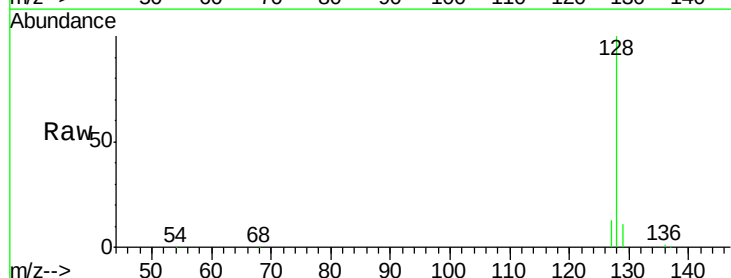
Tgt Ion: 128 Resp: 31689

Ion Ratio Lower Upper

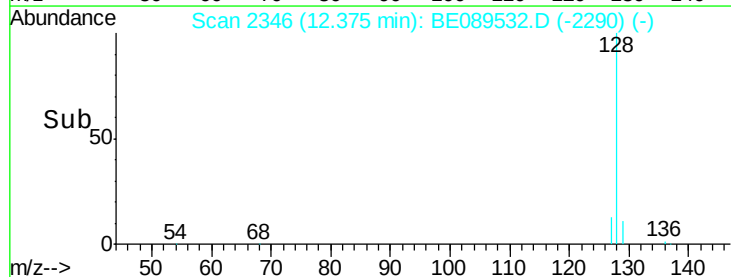
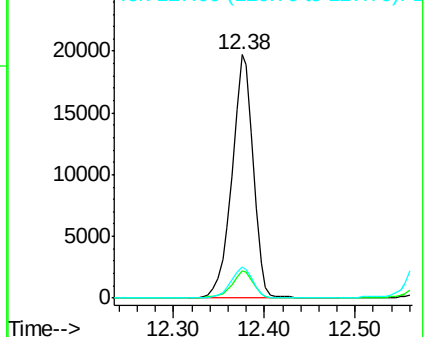
128 100

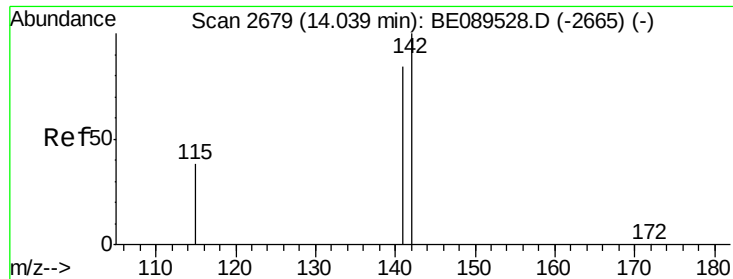
129 11.1 9.1 13.7

127 12.9 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: 0.93 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

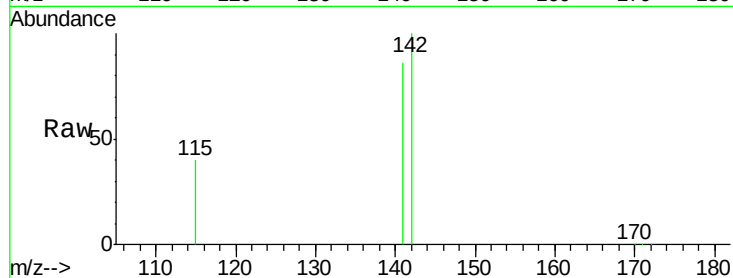
Tgt Ion:142 Resp: 16943

Ion Ratio Lower Upper

142 100

141 86.1 67.0 100.6

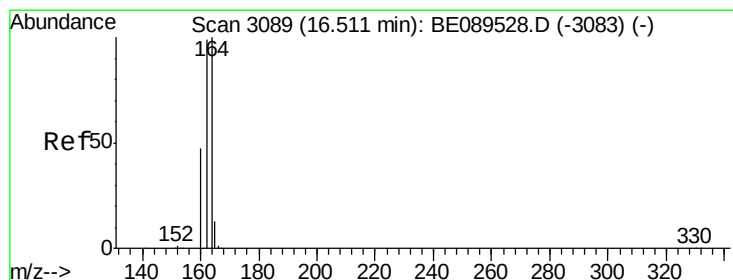
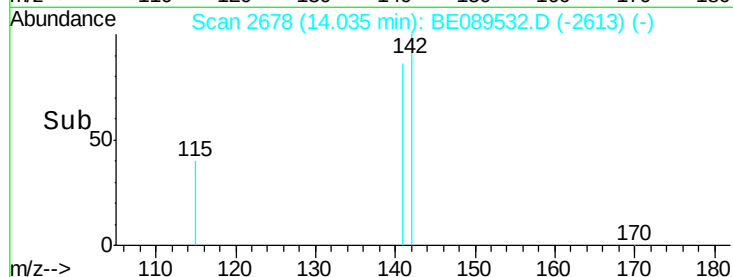
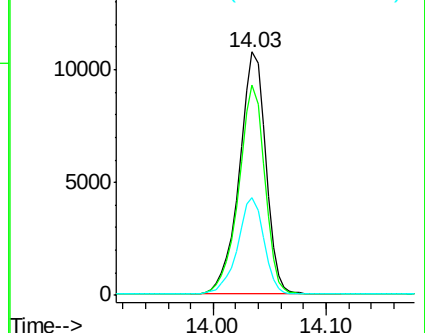
115 40.0 30.6 45.8



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 17:48

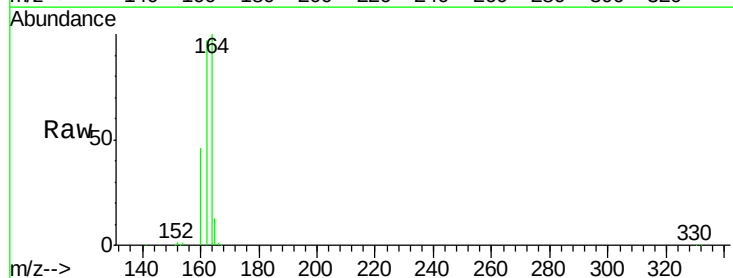
Tgt Ion:164 Resp: 48648

Ion Ratio Lower Upper

164 100

162 97.3 79.5 119.3

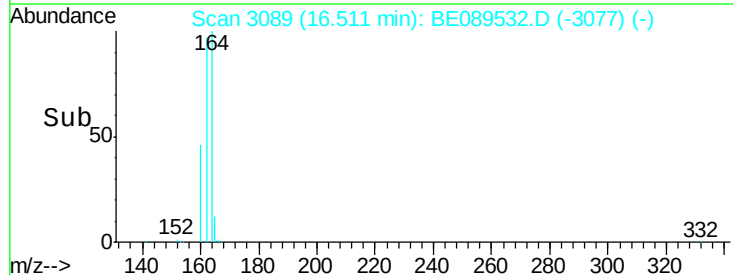
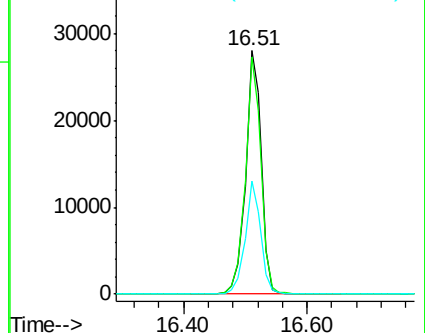
160 46.2 37.6 56.4

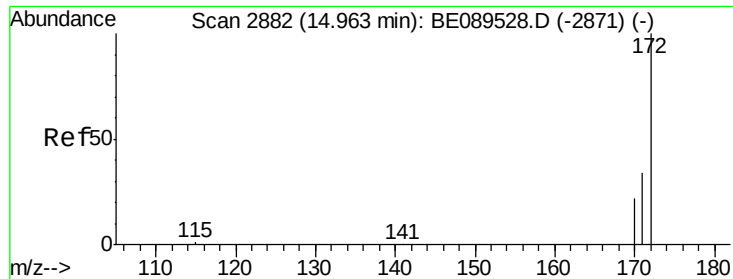


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.04 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

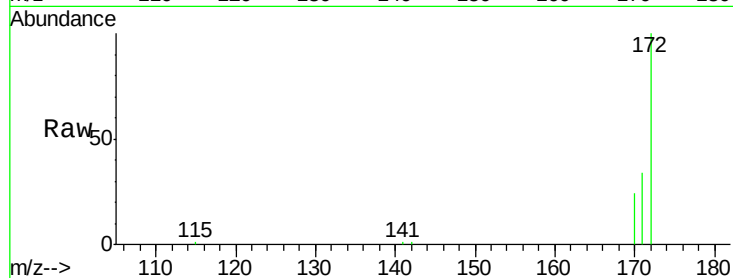
Tgt Ion:172 Resp: 13538

Ion Ratio Lower Upper

172 100

171 34.0 27.7 41.5

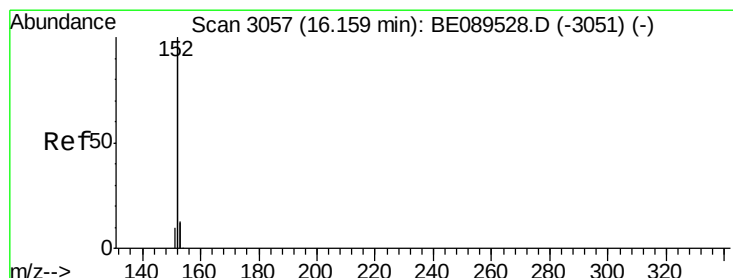
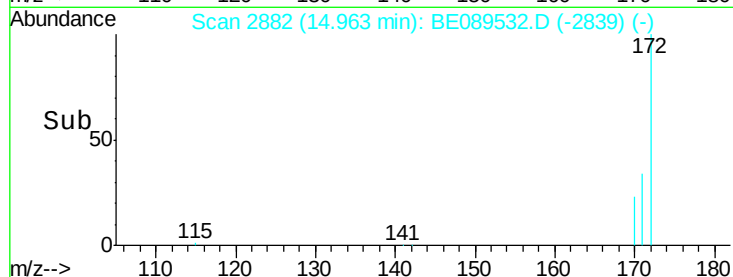
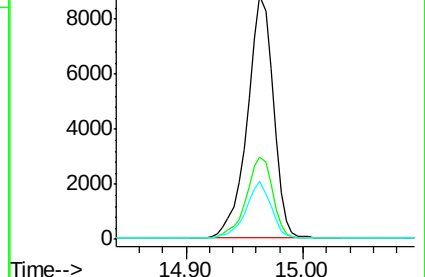
170 23.8 18.3 27.5



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 17:48

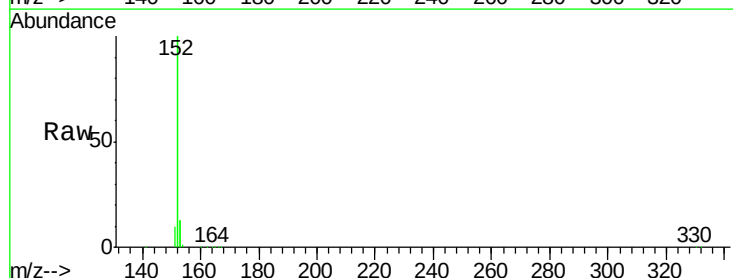
Tgt Ion:152 Resp: 80561

Ion Ratio Lower Upper

152 100

151 4.8 4.0 6.0

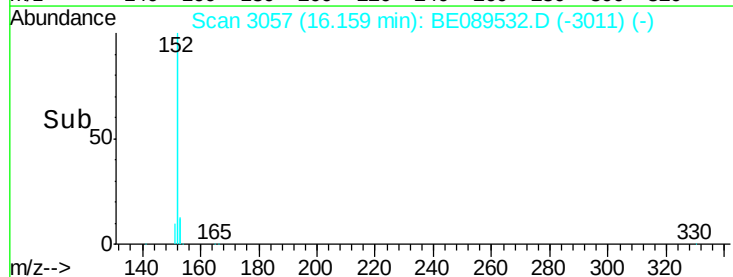
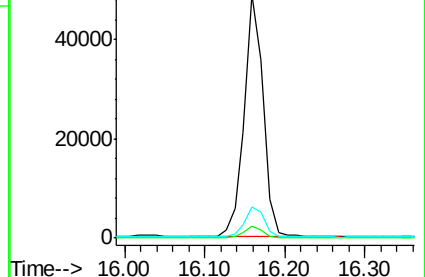
153 12.9 10.6 15.8

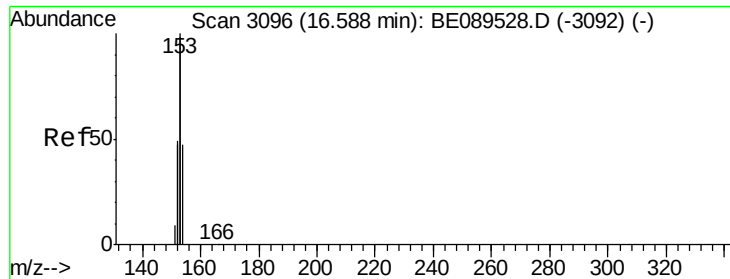


Abundance Ion 152.00 (151.70 to 152.70): E

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 17:48

Instrument :

BNA_E

ClientSampleId :

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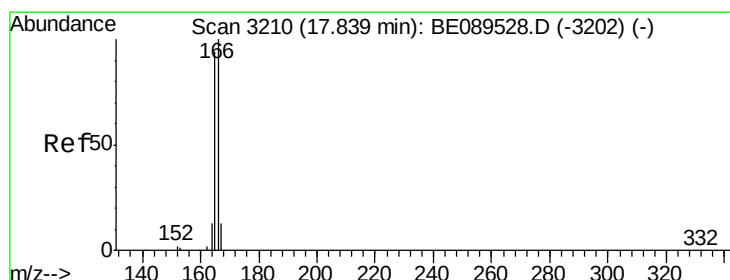
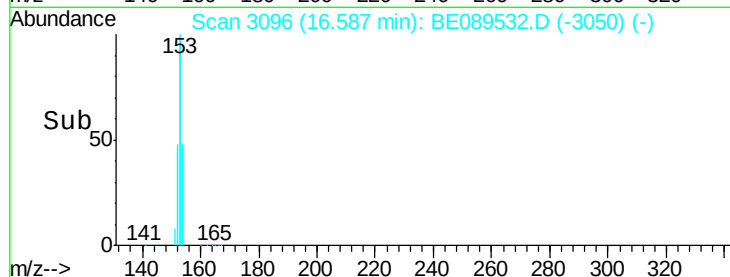
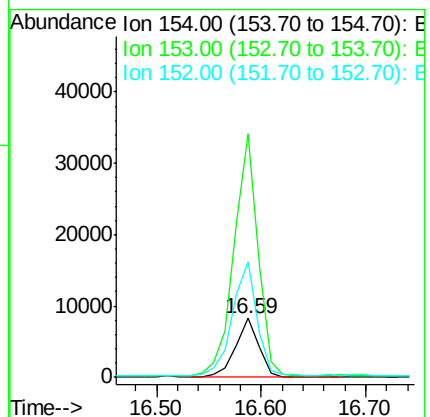
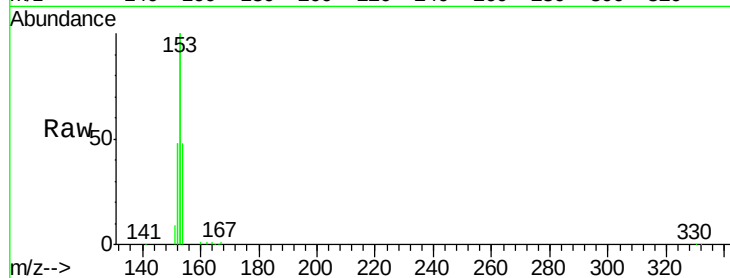
Tgt Ion:154 Resp: 12623

Ion Ratio Lower Upper

154 100

153 427.2 340.8 511.2

152 206.1 165.5 248.3



#10

Fluorene

Concen: 0.85 ng

RT: 17.84 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

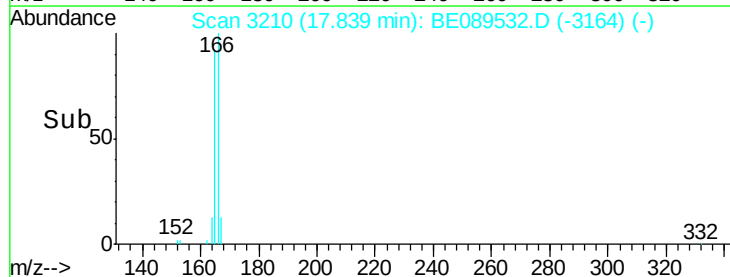
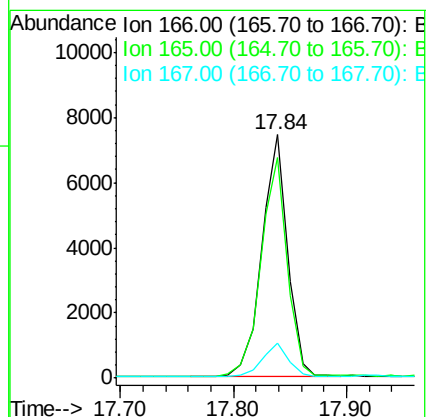
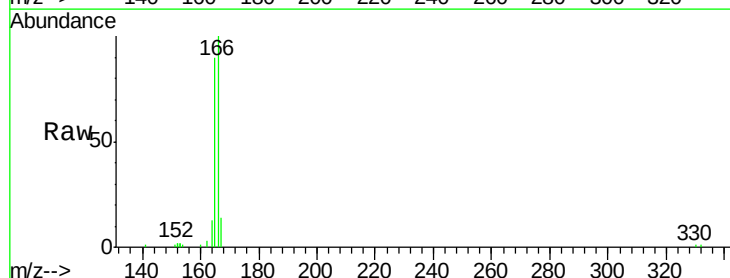
Tgt Ion:166 Resp: 11756

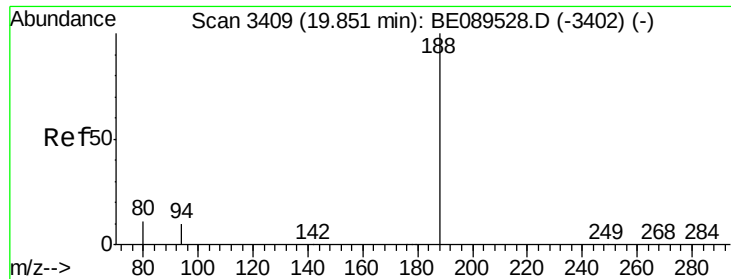
Ion Ratio Lower Upper

166 100

165 92.0 75.5 113.3

167 13.6 10.9 16.3

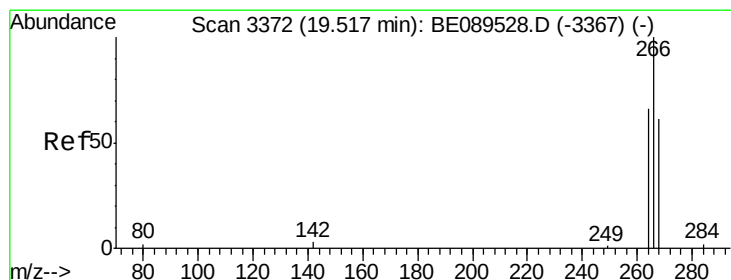
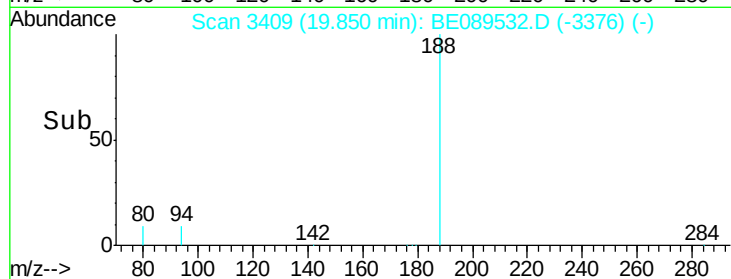
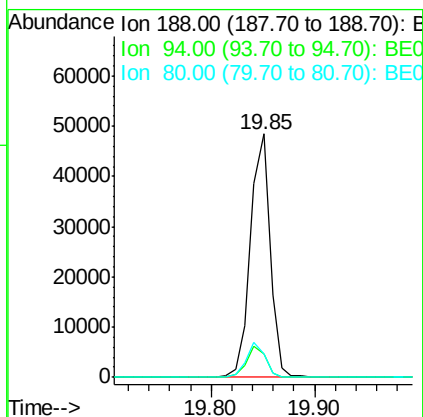
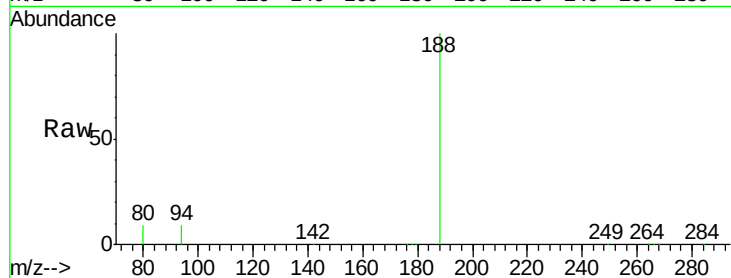




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. -0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 17:48

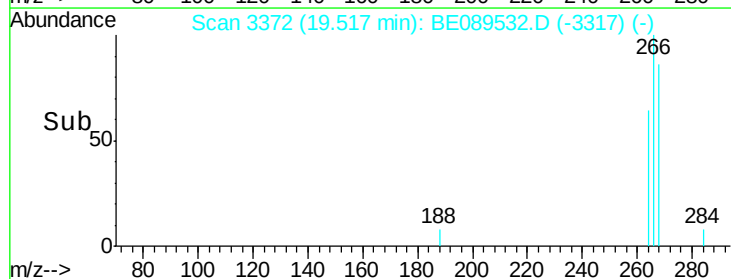
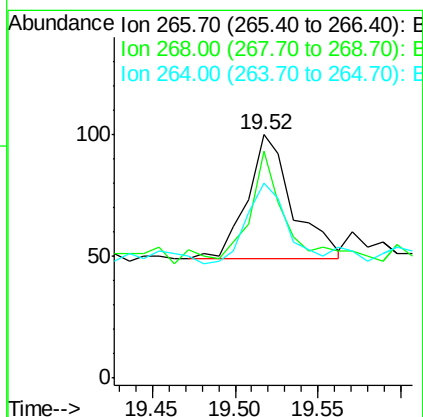
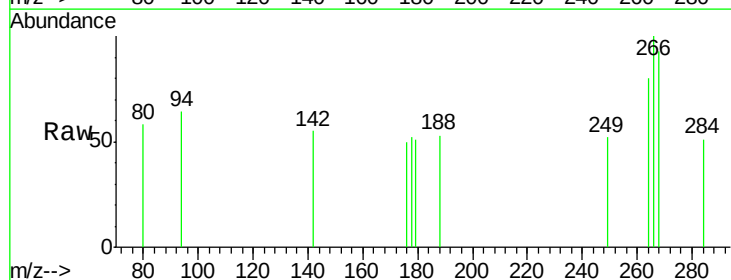
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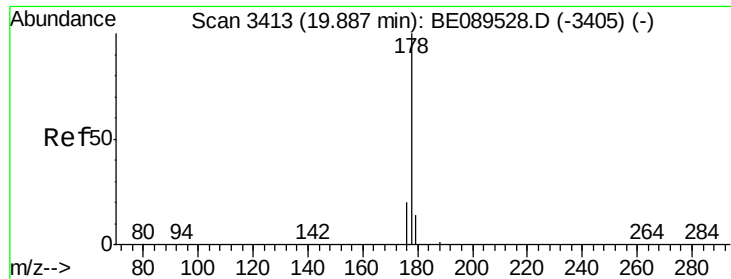
Tgt Ion:188 Resp: 63867
Ion Ratio Lower Upper
188 100
94 9.4 8.4 12.6
80 9.4 8.6 12.8



#12
Pentachlorophenol
Concen: 0.73 ng
RT: 19.52 min Scan# 3372
Delta R.T. 0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 17:48

Tgt Ion:266 Resp: 97
Ion Ratio Lower Upper
266 100
268 93.0 57.9 86.9#
264 80.0 60.2 90.4

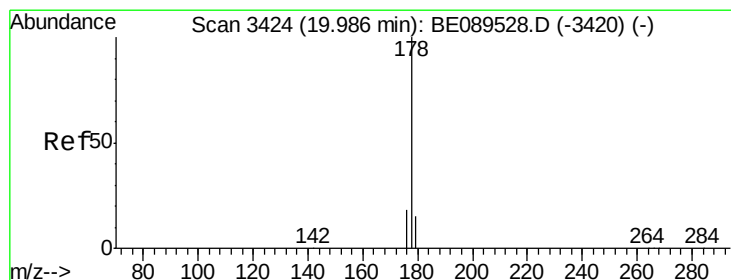
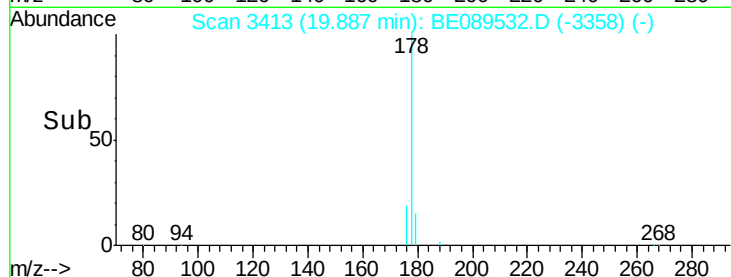
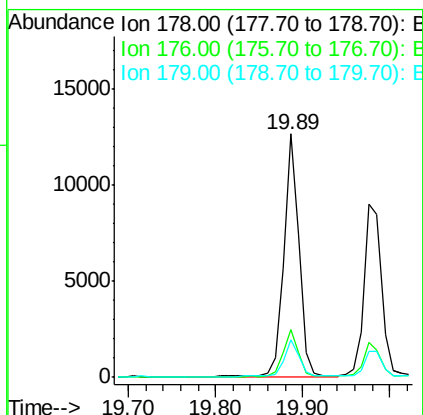
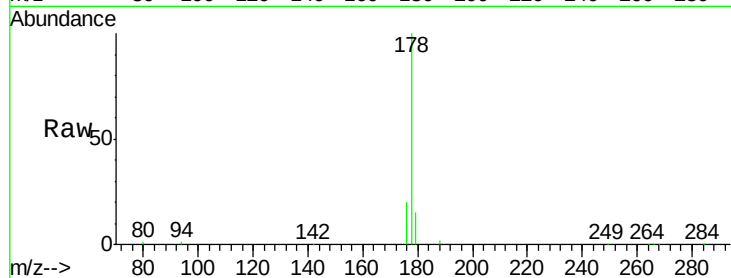




#13
 Phenanthrene
 Concen: 0.97 ng
 RT: 19.89 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: BE089532.D
 Acq: 6 Feb 2015 17:48

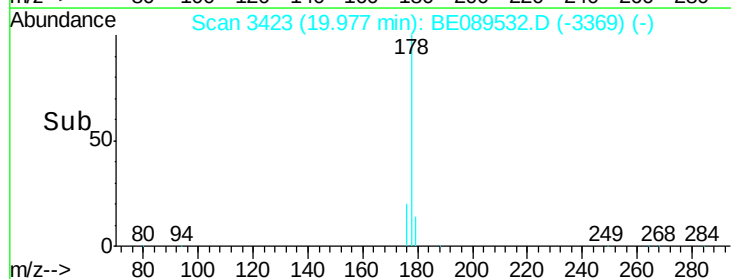
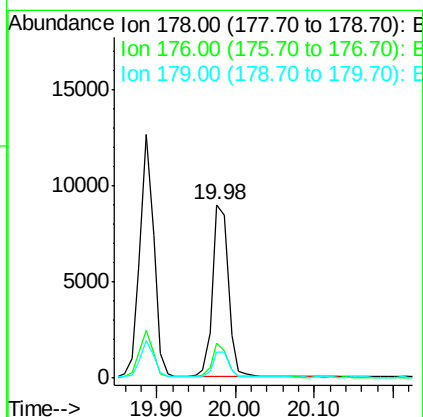
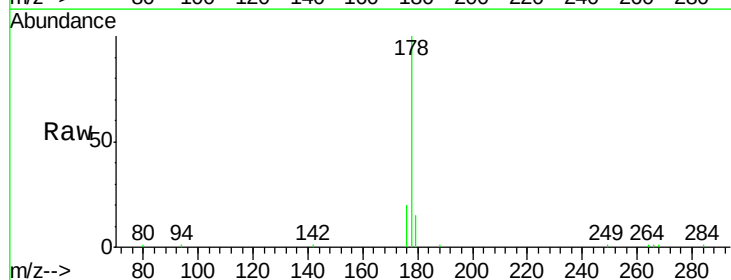
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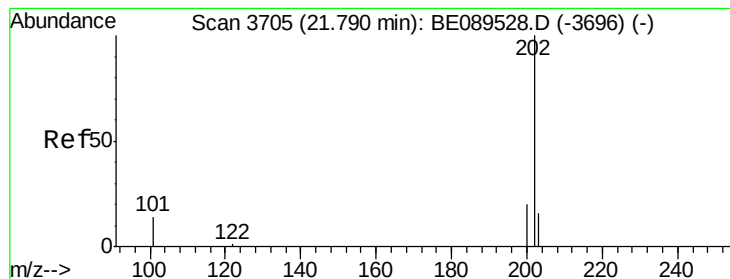
Tgt Ion:178 Resp: 15299
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.1 12.2 18.2



#14
 Anthracene
 Concen: 0.93 ng
 RT: 19.98 min Scan# 3423
 Delta R.T. -0.01 min
 Lab File: BE089532.D
 Acq: 6 Feb 2015 17:48

Tgt Ion:178 Resp: 12469
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.5 21.7
 179 15.2 12.2 18.2





#15

Fluoranthene

Concen: 0.74 ng

RT: 21.79 min Scan# 3705

Delta R.T. 0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

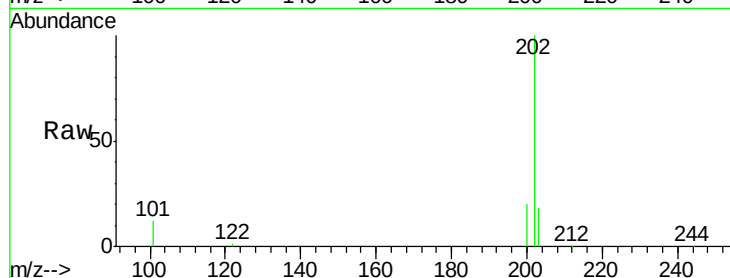
Tgt Ion:202 Resp: 10975

Ion Ratio Lower Upper

202 100

101 14.4 11.6 17.4

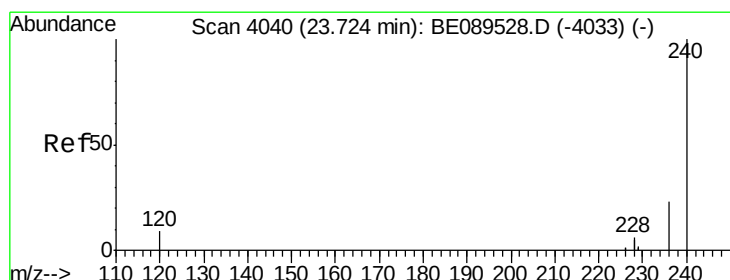
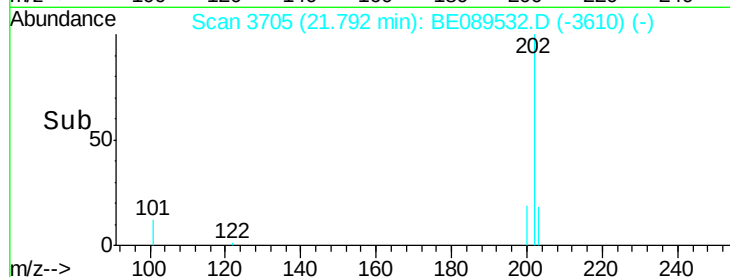
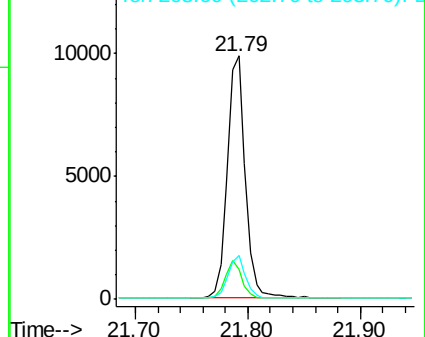
203 17.0 13.6 20.4



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



#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 17:48

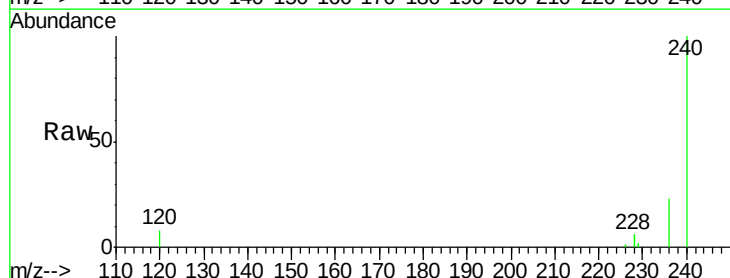
Tgt Ion:240 Resp: 49221

Ion Ratio Lower Upper

240 100

120 7.8 7.2 10.8

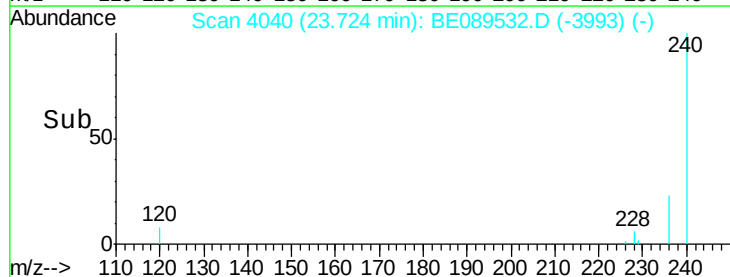
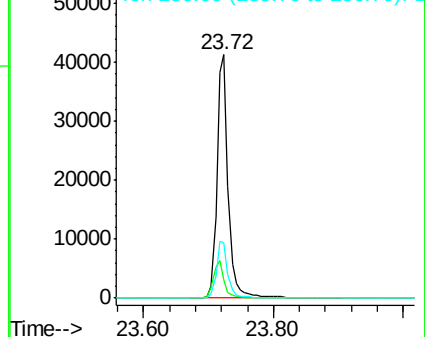
236 22.8 18.5 27.7

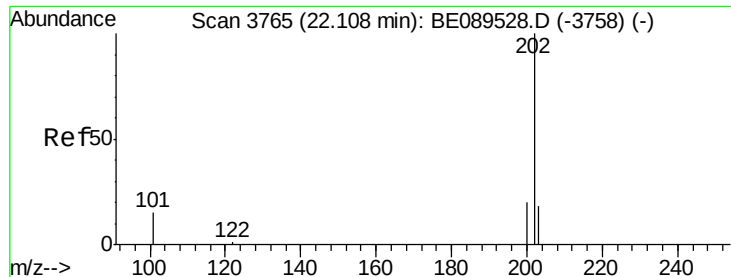


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#17

Pyrene

Concen: 1.08 ng

RT: 22.10 min Scan# 3764

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

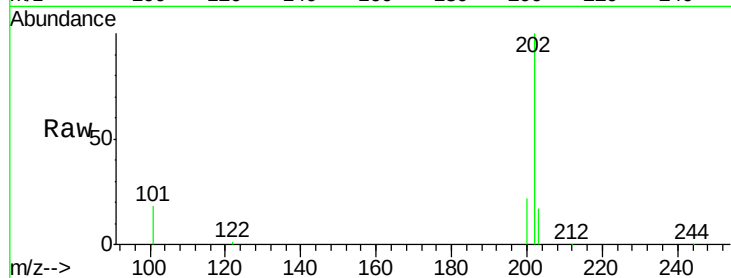
Tgt Ion:202 Resp: 11328

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

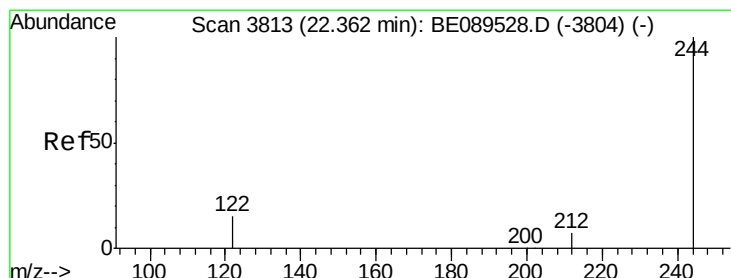
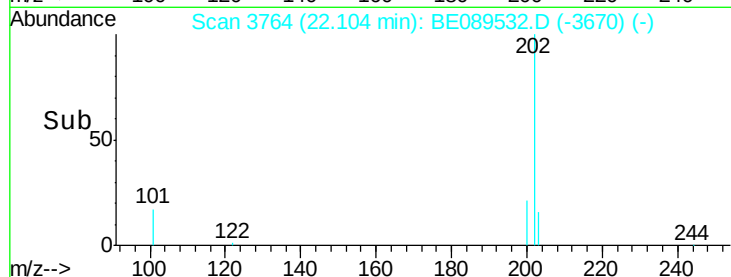
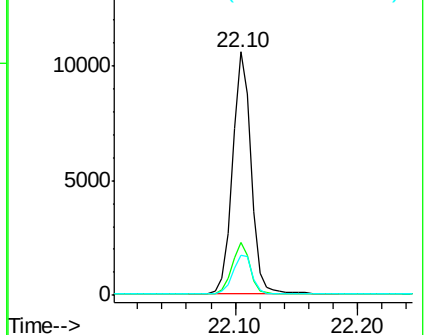
203 16.9 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#18

Terphenyl-d14

Concen: 1.01 ng

RT: 22.36 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

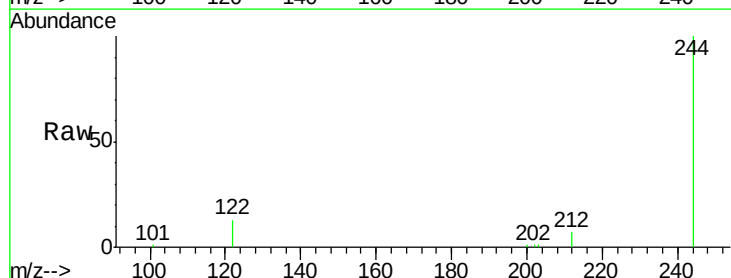
Tgt Ion:244 Resp: 6583

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

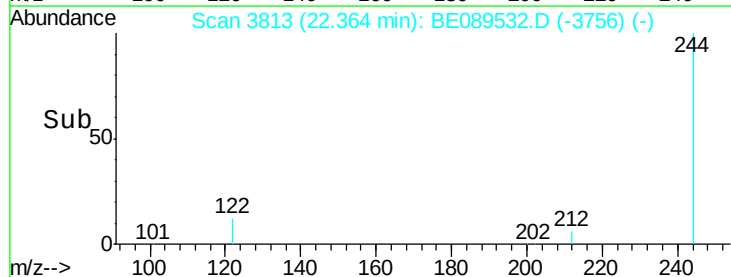
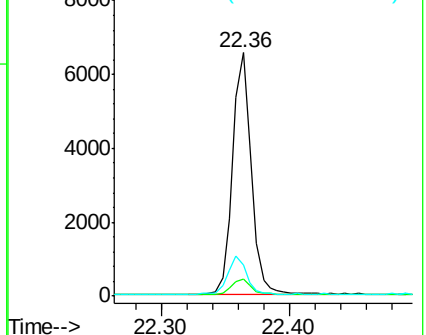
122 13.0 12.6 19.0

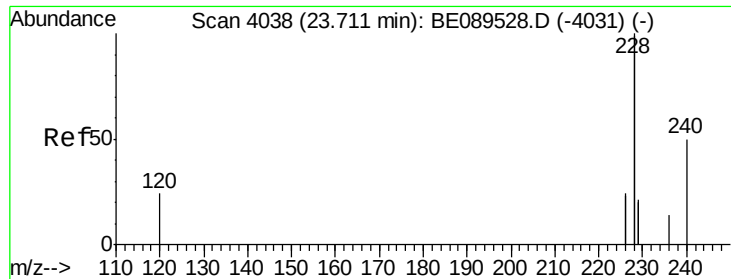


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.88 ng

RT: 23.70 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

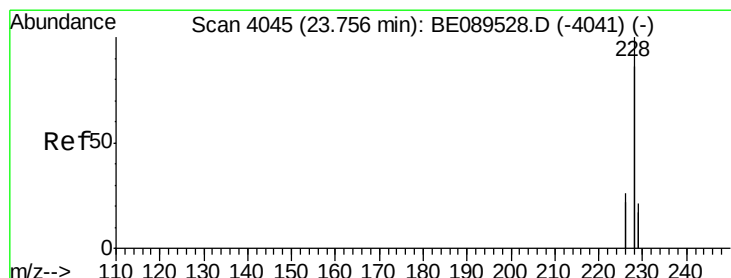
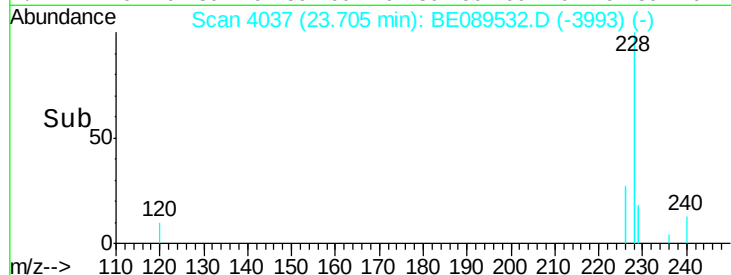
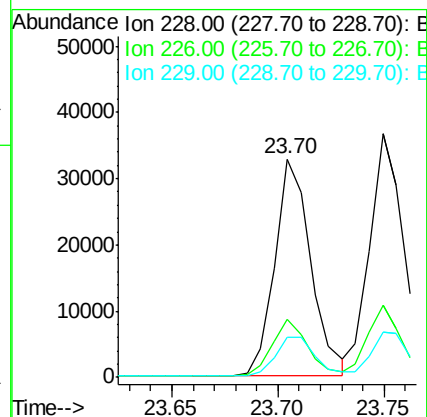
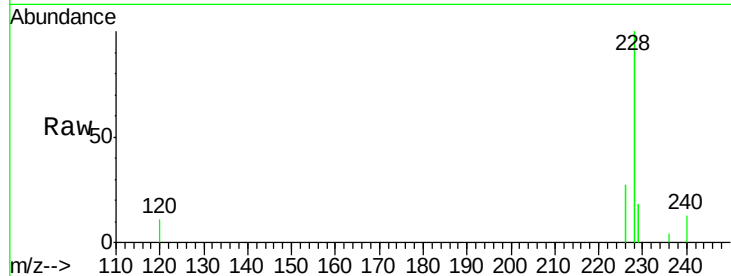
Tgt Ion:228 Resp: 38501

Ion Ratio Lower Upper

228 100

226 26.8 19.0 28.4

229 18.5 16.8 25.2



#20

Chrysene

Concen: 1.00 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

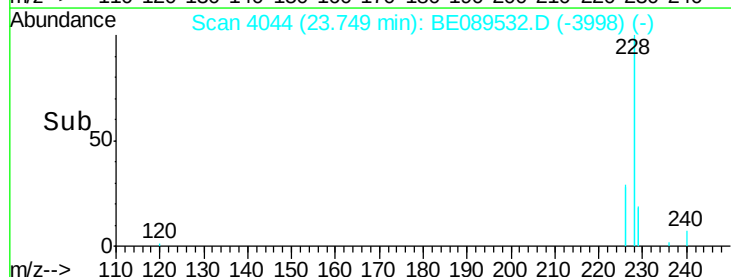
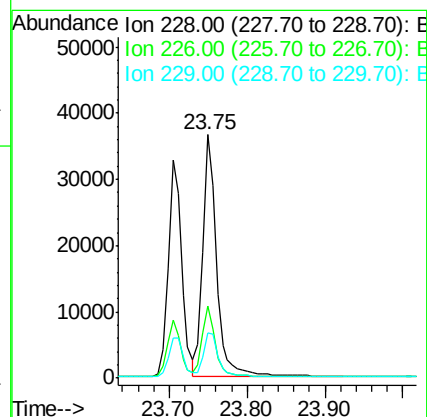
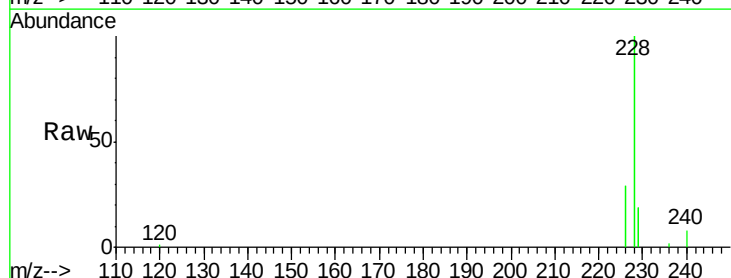
Tgt Ion:228 Resp: 44599

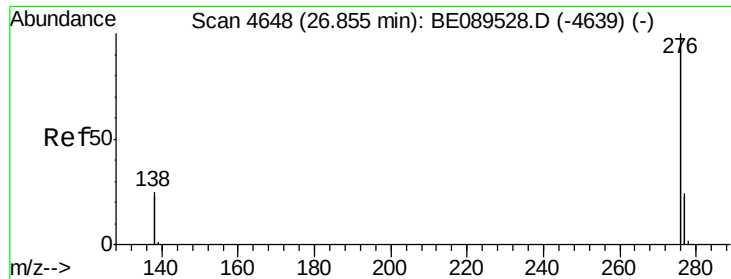
Ion Ratio Lower Upper

228 100

226 29.4 21.0 31.4

229 18.8 16.7 25.1





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.29 ng

RT: 26.86 min Scan# 4648

Delta R.T. 0.00 min

Lab File: BE089532.D

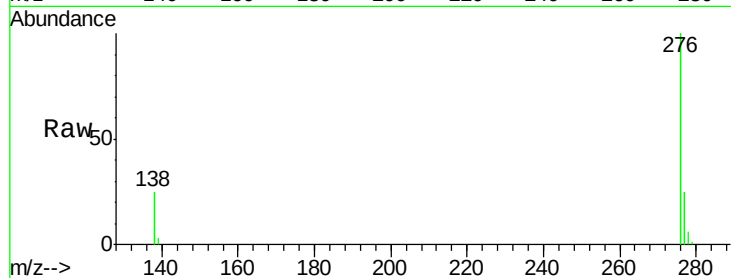
Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615



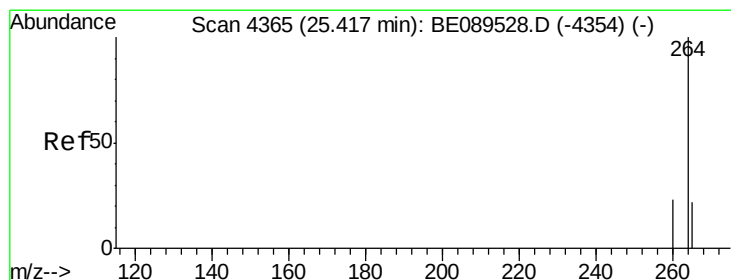
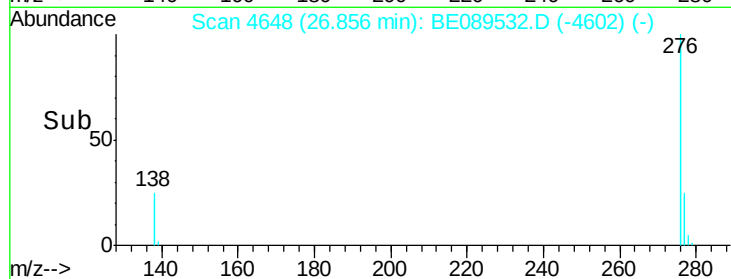
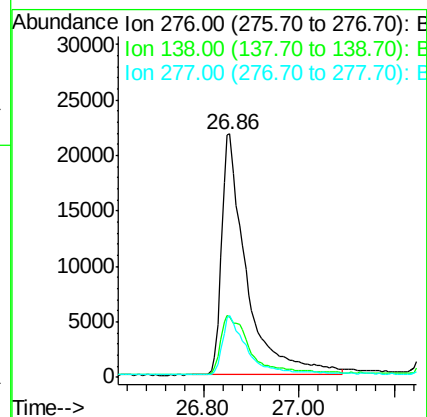
Tgt Ion:276 Resp: 79604

Ion Ratio Lower Upper

276 100

138 27.8 23.0 34.4

277 24.1 19.9 29.9



#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 17:48

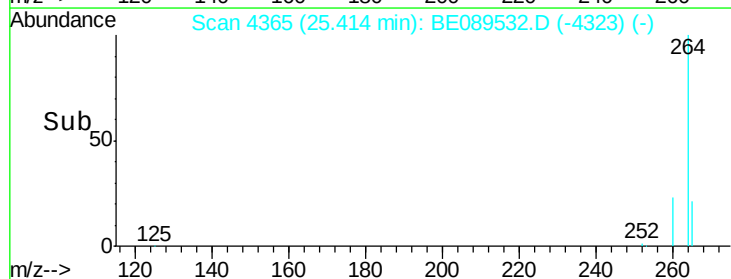
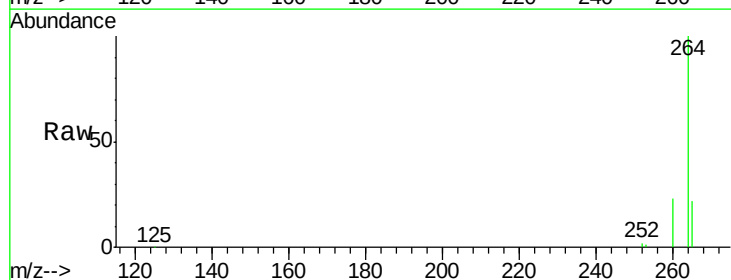
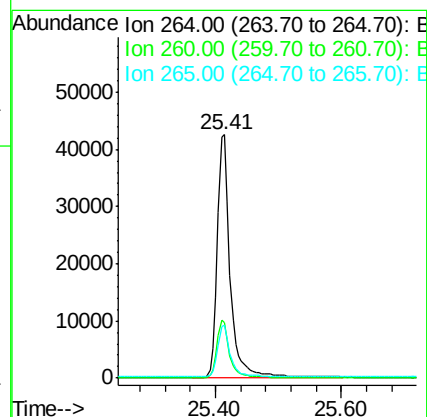
Tgt Ion:264 Resp: 60855

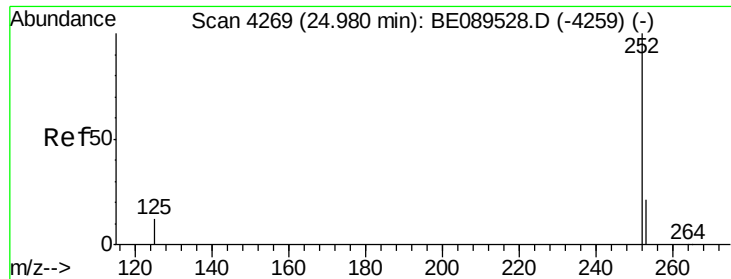
Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.8 17.5 26.3

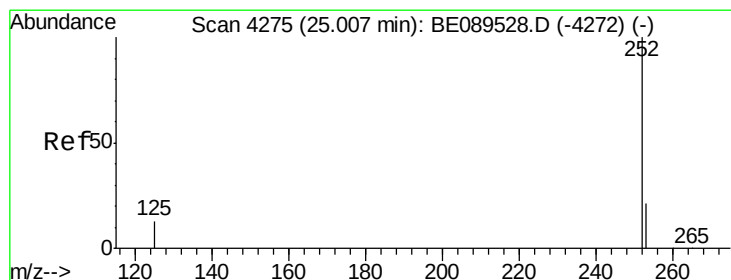
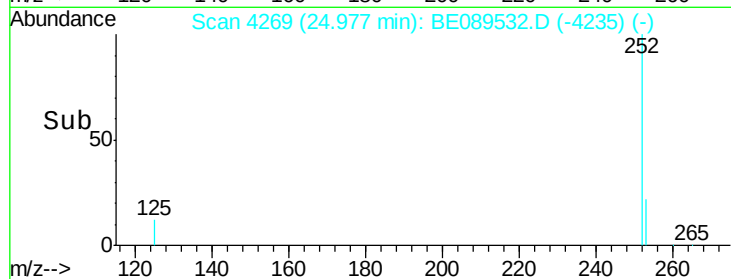
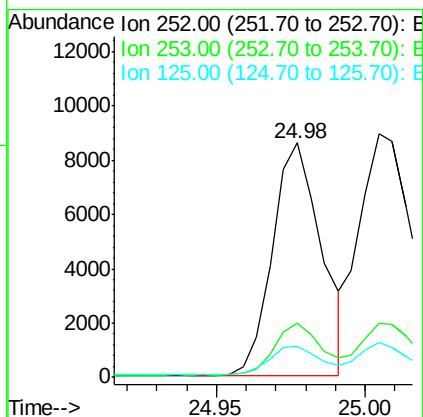
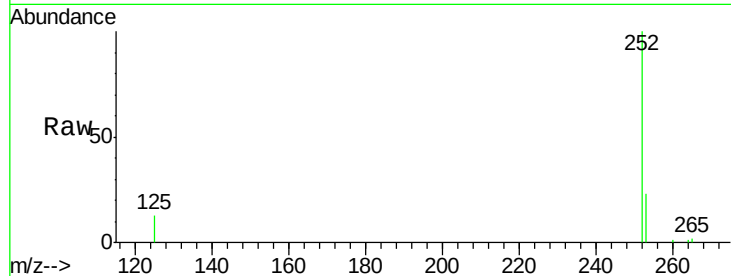




#23
Benzo(b)fluoranthene
Concen: 0.83 ng
RT: 24.98 min Scan# 4269
Delta R.T. -0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 17:48

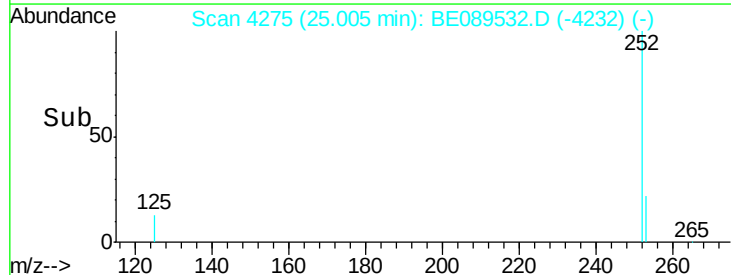
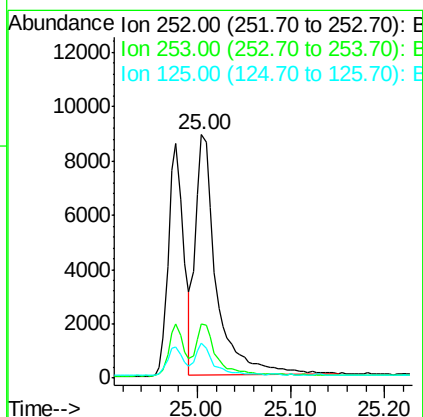
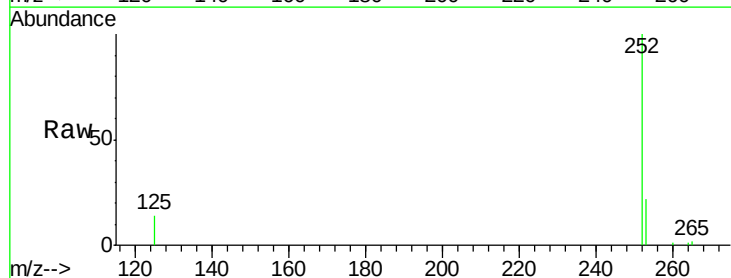
Instrument :
BNA_E
ClientSampleId :
ICVBE020615

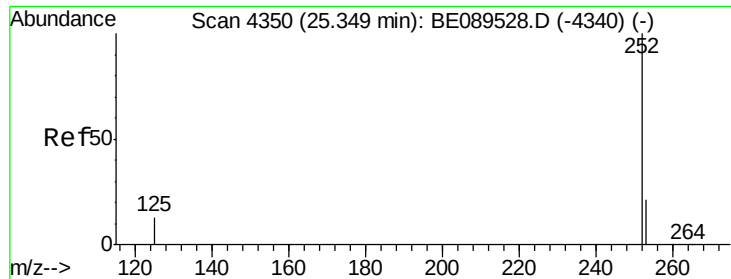
Tgt Ion:252 Resp: 9767
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 13.1 10.4 15.6



#24
Benzo(k)fluoranthene
Concen: 0.94 ng
RT: 25.00 min Scan# 4275
Delta R.T. -0.00 min
Lab File: BE089532.D
Acq: 6 Feb 2015 17:48

Tgt Ion:252 Resp: 13811
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 14.3 10.6 15.8





#25

Benzo(a)pyrene

Concen: 0.88 ng

RT: 25.35 min Scan# 4350

Delta R.T. -0.00 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615

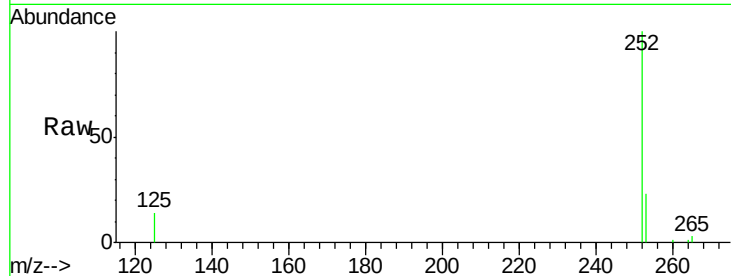
Tgt Ion:252 Resp: 10355

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

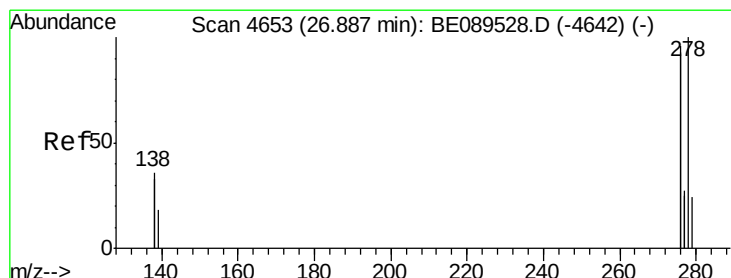
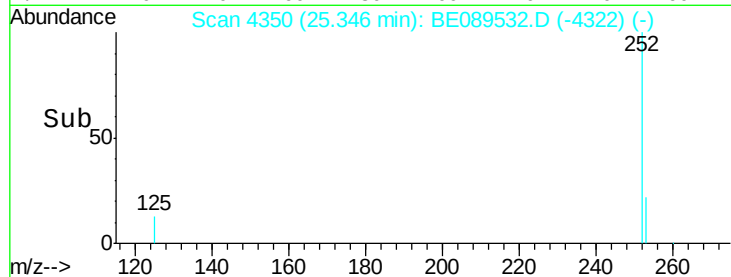
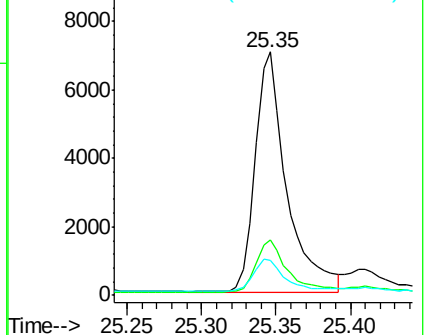
125 14.5 11.4 17.2



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: 1.09 ng

RT: 26.88 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BE089532.D

Acq: 6 Feb 2015 17:48

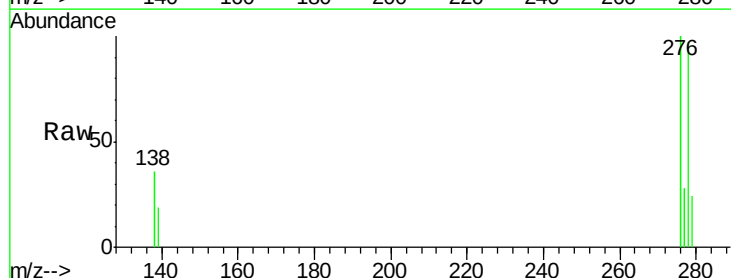
Tgt Ion:278 Resp: 15767

Ion Ratio Lower Upper

278 100

139 19.9 15.7 23.5

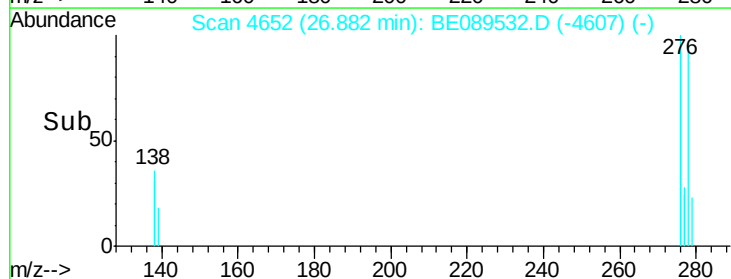
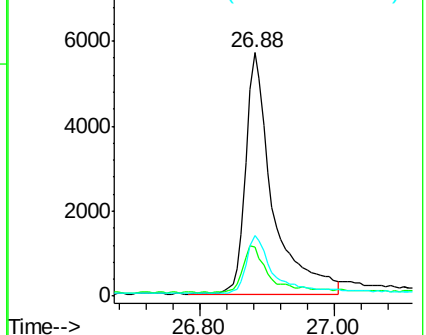
279 25.0 19.5 29.3

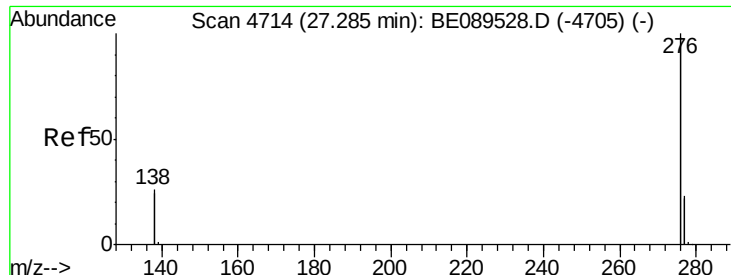


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.26 ng

RT: 27.28 min Scan# 4713

Delta R.T. -0.01 min

Lab File: BE089532.D

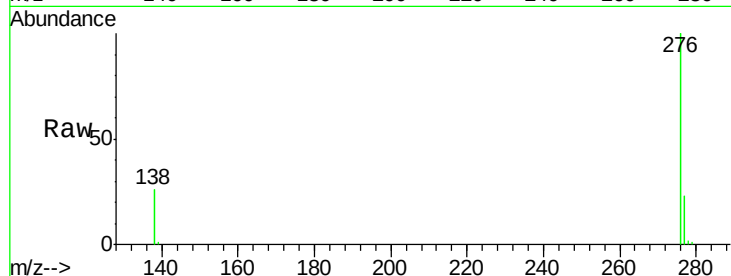
Acq: 6 Feb 2015 17:48

Instrument :

BNA_E

ClientSampleId :

ICVBE020615



Tgt Ion: 276 Resp: 73936

Ion Ratio Lower Upper

276 100

277 23.2 18.6 27.8

138 26.1 20.9 31.3

