

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089560.D
 Acq On : 10 Feb 2015 21:43
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICV001

Quant Time: Feb 11 11:33:20 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 11:21:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.41	152	25462	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	90423	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	30098	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	45547	5.00	ng	0.00
16) Chrysene-d12	23.71	240	58735	5.00	ng	0.00
22) Perylene-d12	25.40	264	71317	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	5963	1.03	ng	0.00
7) 2-Fluorobiphenyl	14.95	172	8781	1.08	ng	0.00
18) Terphenyl-d14	22.36	244	6489	0.89	ng	0.00

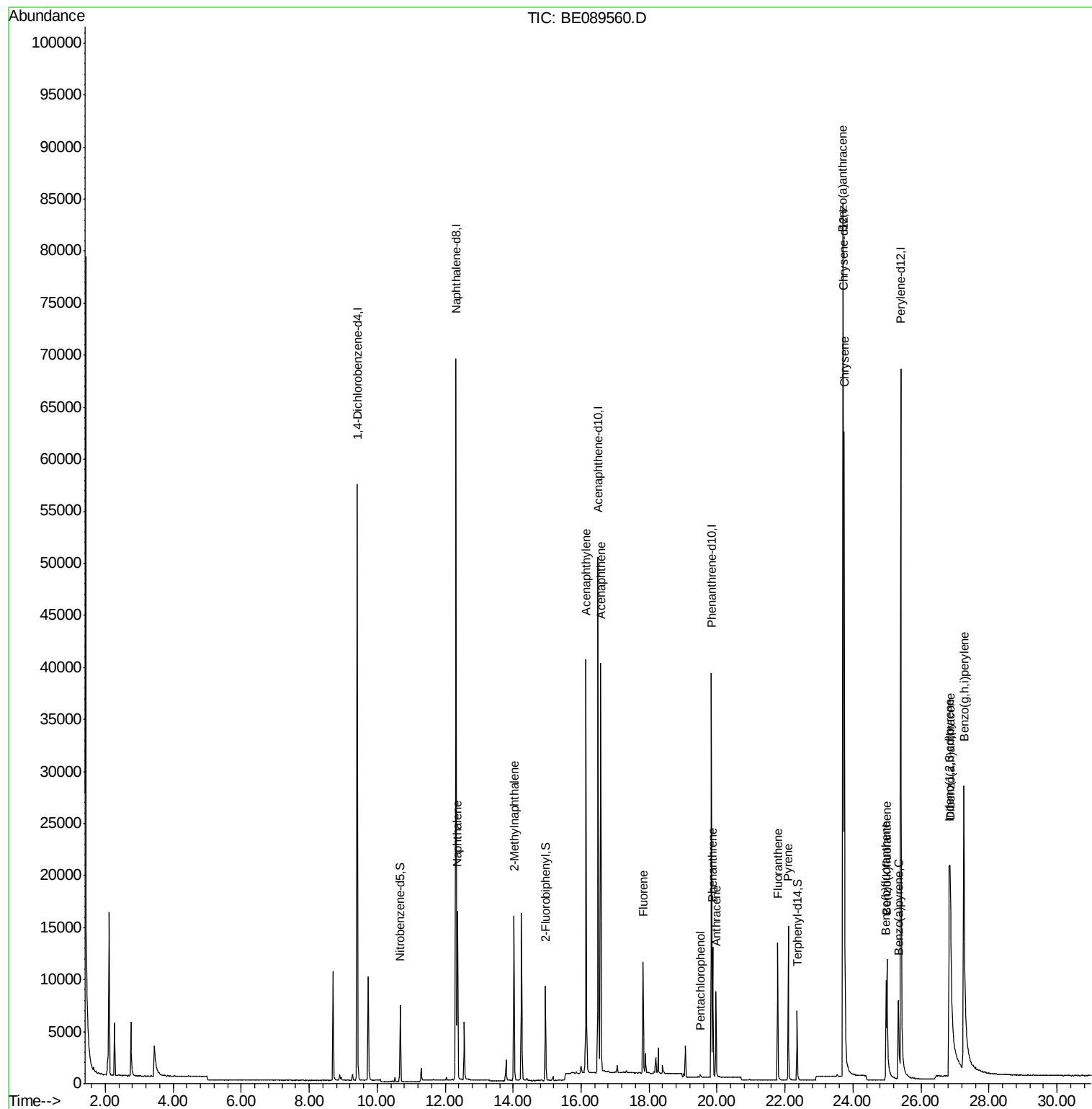
Target Compounds						Qvalue
4) Naphthalene	12.37	128	20492	1.01	ng	99
5) 2-Methylnaphthalene	14.03	142	10906	0.98	ng	99
8) Acenaphthylene	16.15	152	52485	1.02	ng	100
9) Acenaphthene	16.58	154	8220	1.02	ng	98
10) Fluorene	17.83	166	7973	0.93	ng	98
12) Pentachlorophenol	19.51	266	218	0.86	ng	# 87
13) Phenanthrene	19.88	178	11436	1.03	ng	100
14) Anthracene	19.97	178	9062	0.96	ng	98
15) Fluoranthene	21.78	202	9738	0.91	ng	99
17) Pyrene	22.10	202	10925	0.92	ng	99
19) Benzo(a)anthracene	23.70	228	44216	0.90	ng	99
20) Chrysene	23.74	228	56547	1.03	ng	100
21) Indeno(1,2,3-cd)pyrene	26.83	276	65583	0.99	ng	# 80
23) Benzo(b)fluoranthene	24.97	252	8788	0.82	ng	99
24) Benzo(k)fluoranthene	25.00	252	18216	1.04	ng	99
25) Benzo(a)pyrene	25.34	252	9846	0.84	ng	98
26) Dibenzo(a,h)anthracene	26.87	278	12904	0.87	ng	98
27) Benzo(g,h,i)perylene	27.26	276	62971	1.07	ng	98

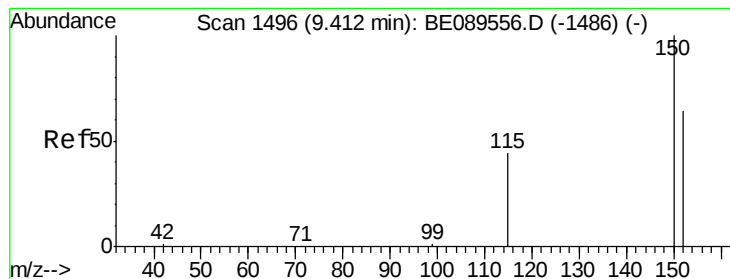
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
Data File : BE089560.D
Acq On : 10 Feb 2015 21:43
Operator : TP/IZ
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICV001

Quant Time: Feb 11 11:33:20 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 11 11:21:59 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.41 min Scan# 1495

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

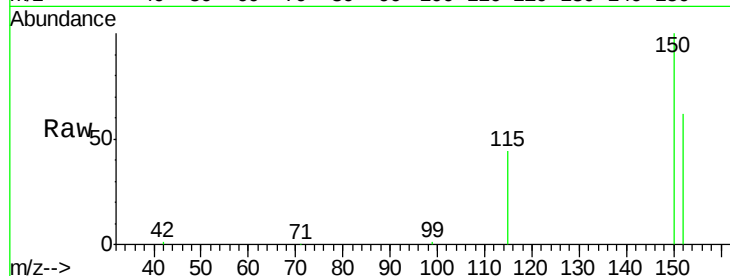
Tgt Ion:152 Resp: 25462

Ion Ratio Lower Upper

152 100

150 160.5 125.6 188.4

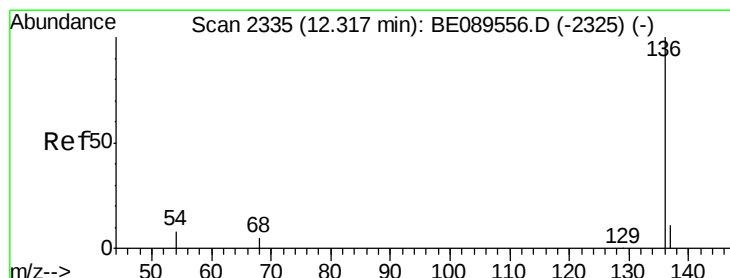
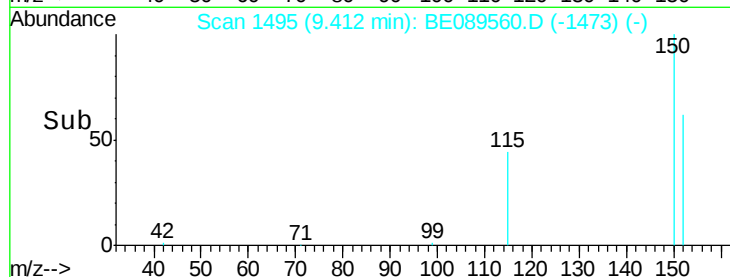
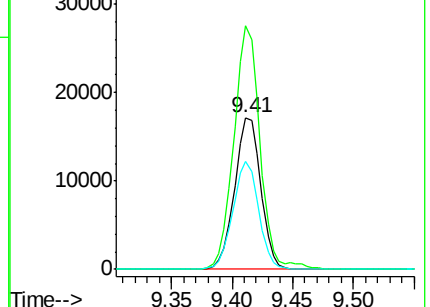
115 70.7 55.8 83.6



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: 12.32 min Scan# 2336

Delta R.T. 0.01 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

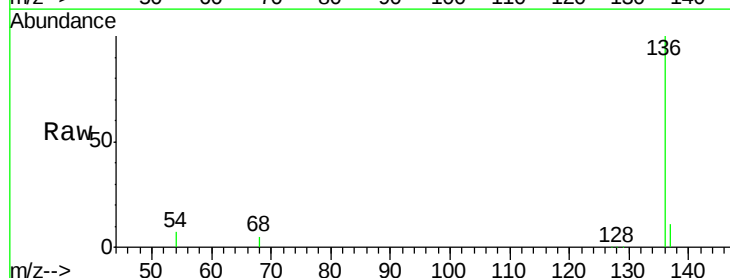
Tgt Ion:136 Resp: 90423

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

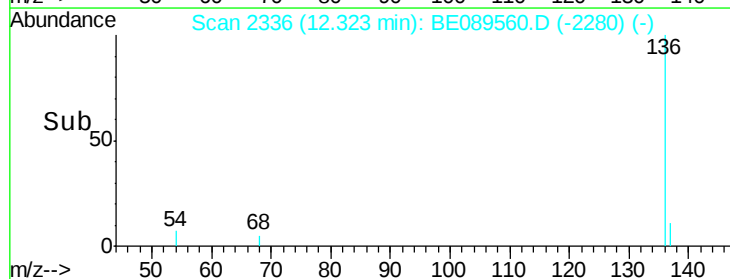
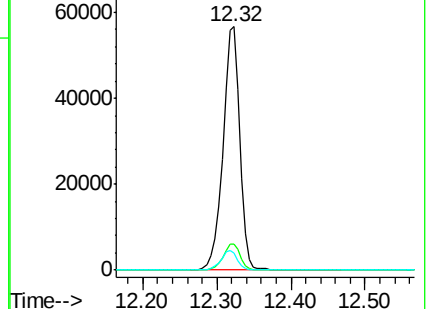
54 6.8 6.6 9.8

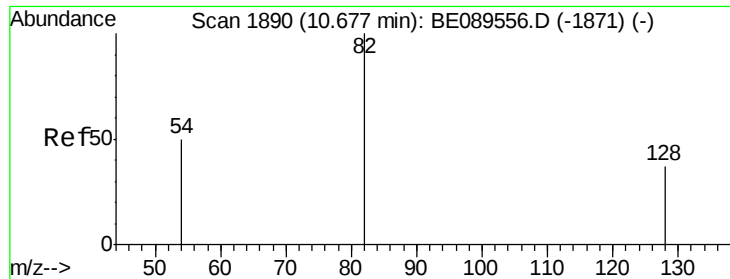


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 1.03 ng

RT: 10.68 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

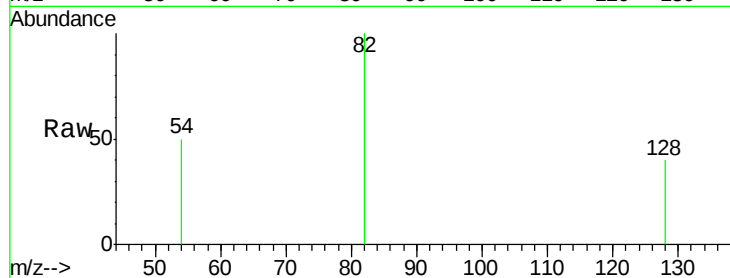
Tgt Ion: 82 Resp: 5963

Ion Ratio Lower Upper

82 100

128 39.5 30.4 45.6

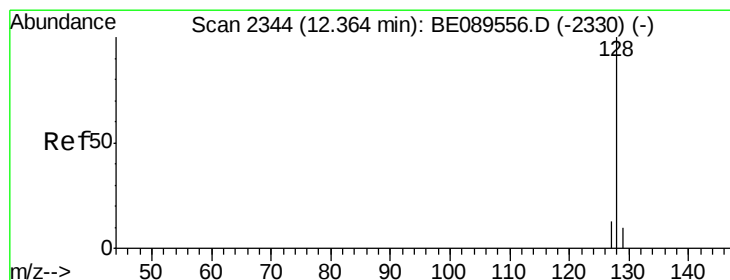
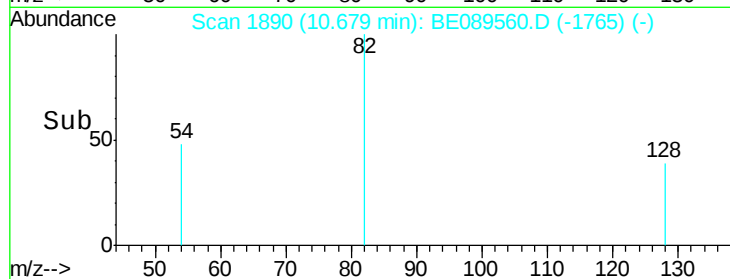
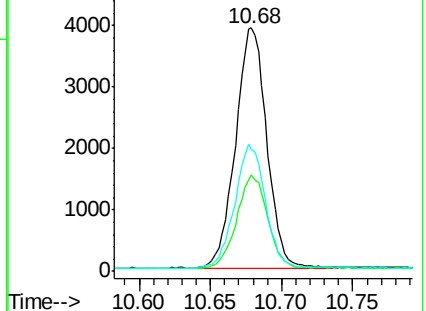
54 50.3 40.7 61.1



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: 1.01 ng

RT: 12.37 min Scan# 2344

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

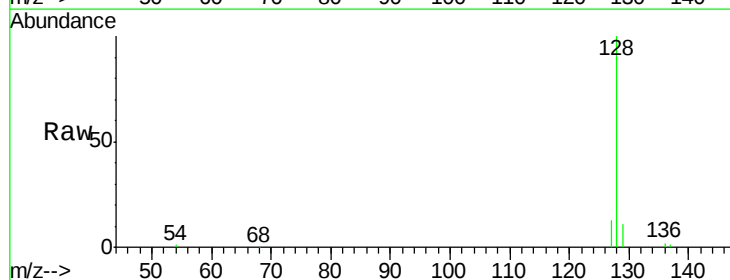
Tgt Ion: 128 Resp: 20492

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

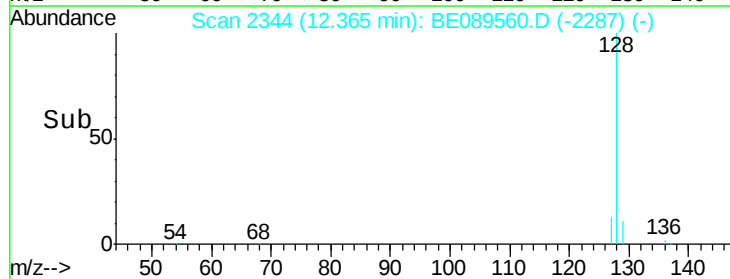
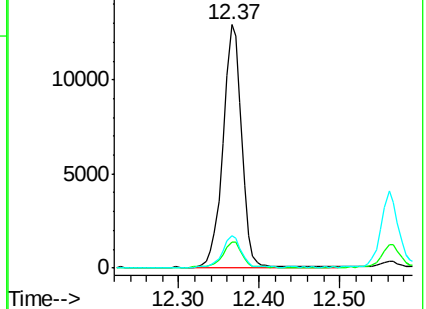
127 13.5 10.6 15.8

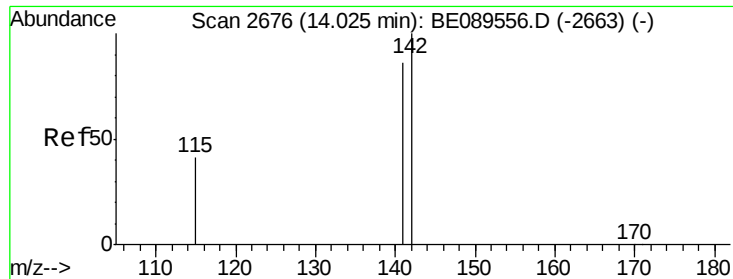


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#5

2-Methylnaphthalene

Concen: 0.98 ng

RT: 14.03 min Scan# 2676

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

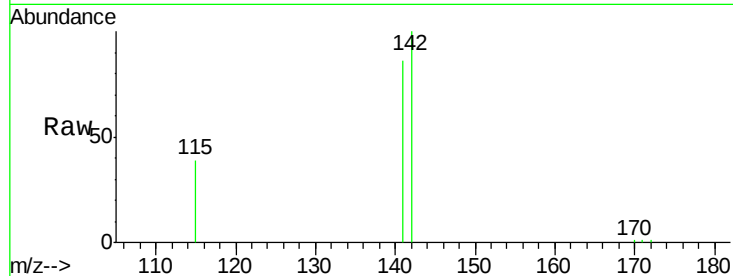
Tgt Ion:142 Resp: 10906

Ion Ratio Lower Upper

142 100

141 86.1 68.6 102.8

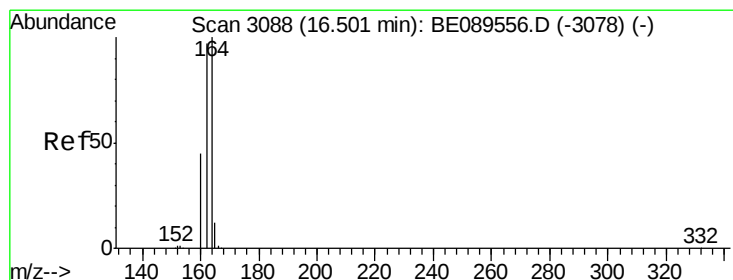
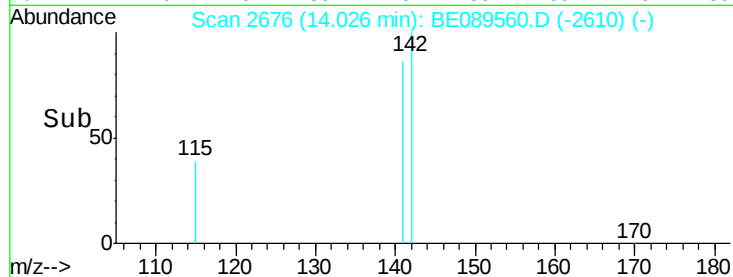
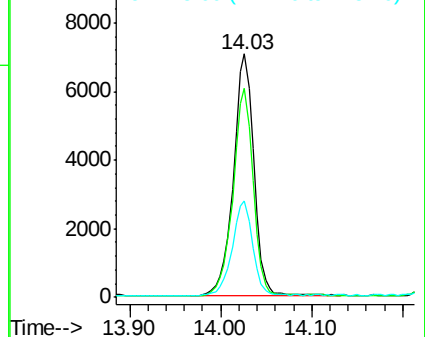
115 39.4 33.0 49.6



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: 16.50 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

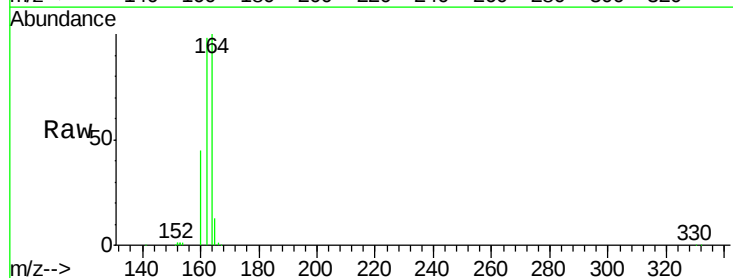
Tgt Ion:164 Resp: 30098

Ion Ratio Lower Upper

164 100

162 98.3 77.8 116.6

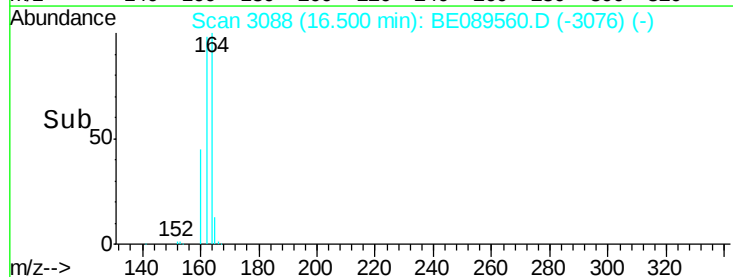
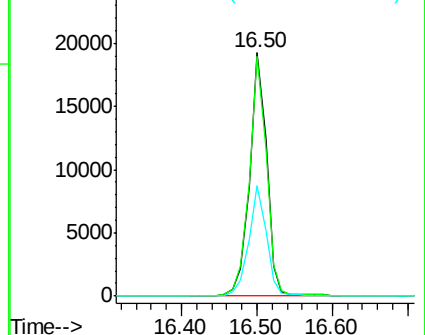
160 45.4 36.2 54.2

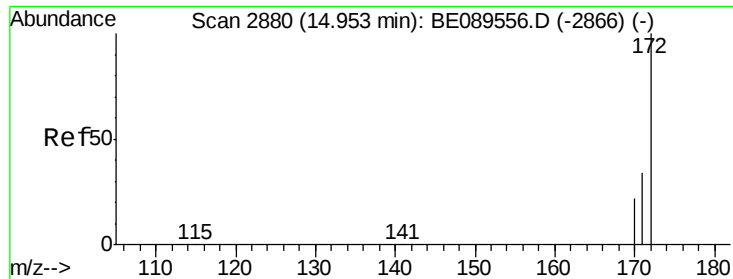


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.08 ng

RT: 14.95 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

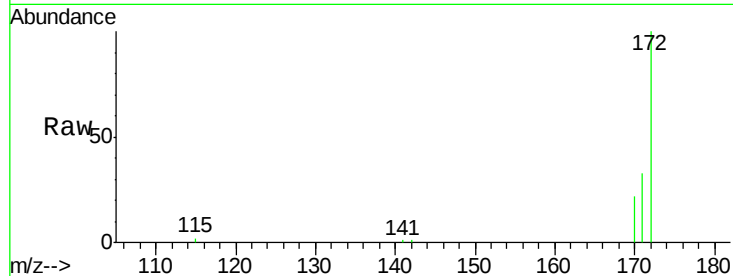
Tgt Ion:172 Resp: 8781

Ion Ratio Lower Upper

172 100

171 32.6 27.4 41.0

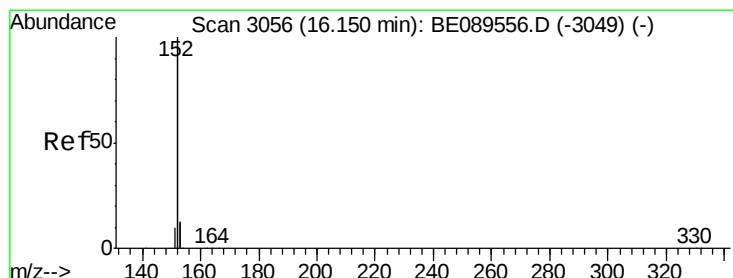
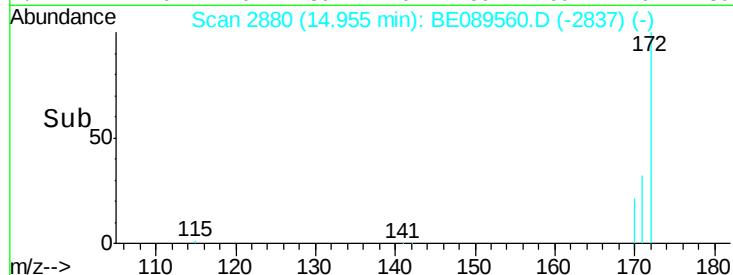
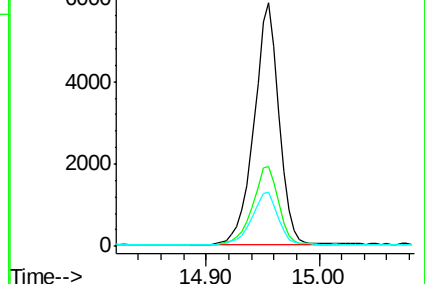
170 22.0 18.3 27.5



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: 1.02 ng

RT: 16.15 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

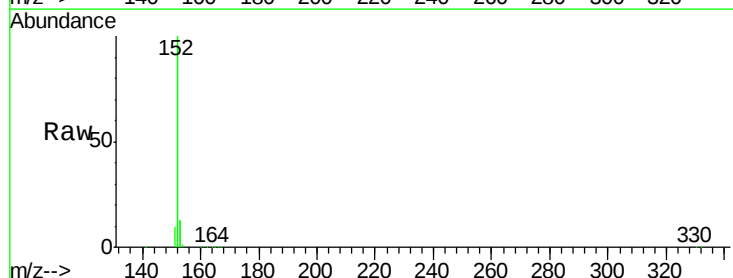
Tgt Ion:152 Resp: 52485

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

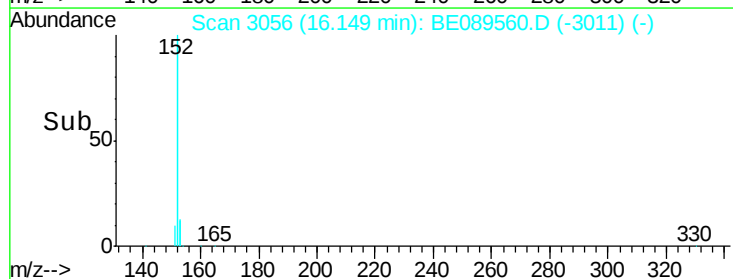
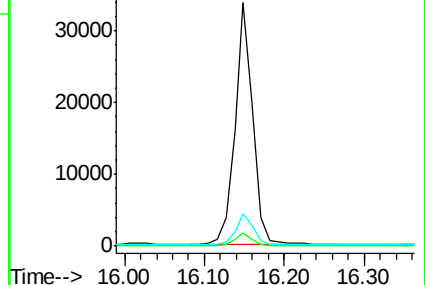
153 12.9 10.4 15.6

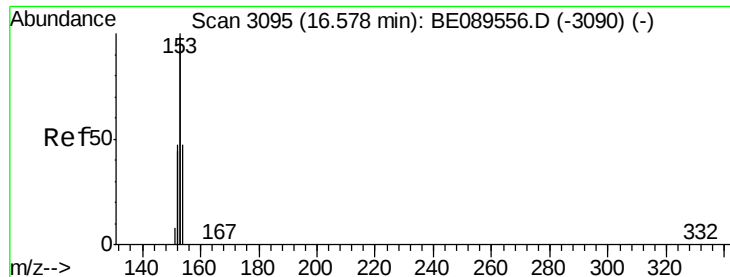


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.02 ng

RT: 16.58 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

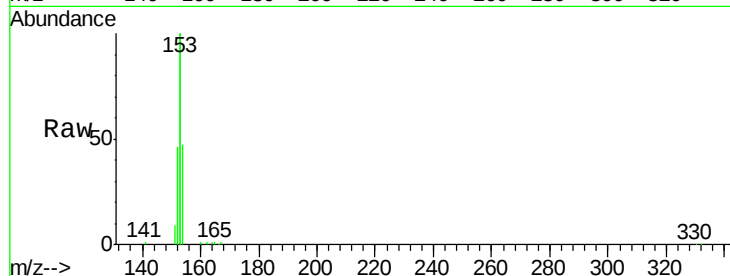
Tgt Ion:154 Resp: 8220

Ion Ratio Lower Upper

154 100

153 436.0 349.0 523.4

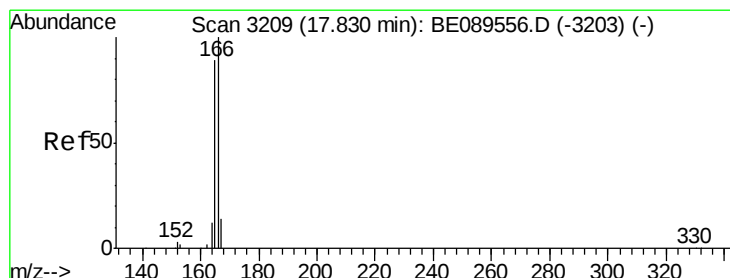
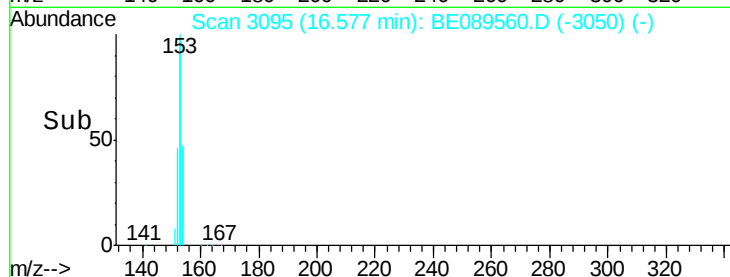
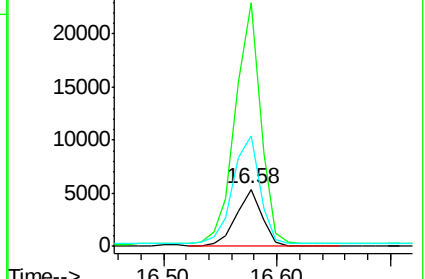
152 207.2 173.0 259.4



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: 0.93 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

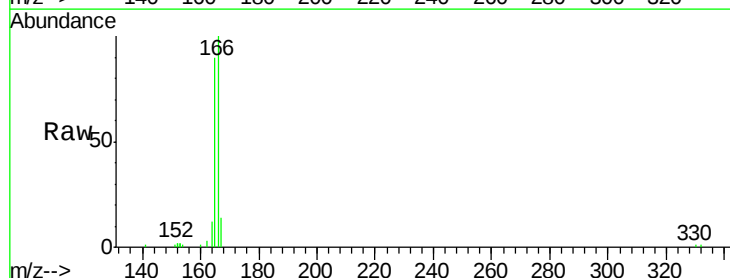
Tgt Ion:166 Resp: 7973

Ion Ratio Lower Upper

166 100

165 91.7 75.1 112.7

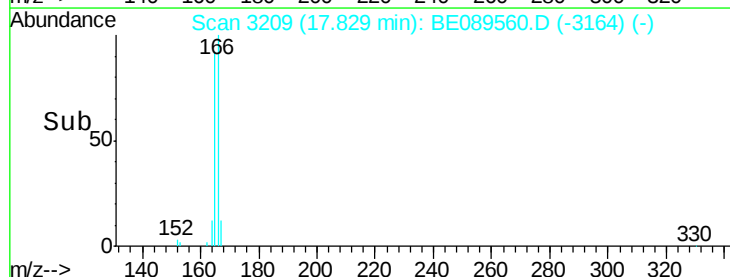
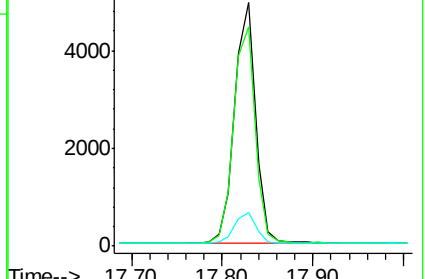
167 13.5 10.6 16.0

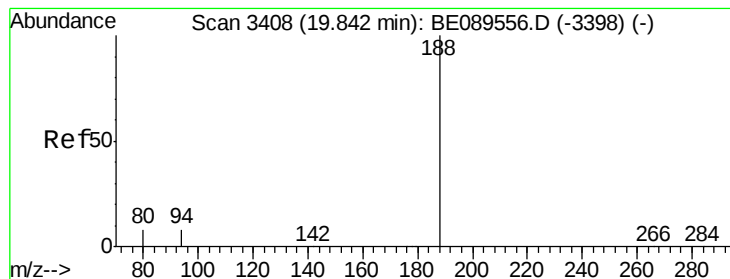


Abundance Ion 166.00 (165.70 to 166.70): E

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: 19.84 min Scan# 3408

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

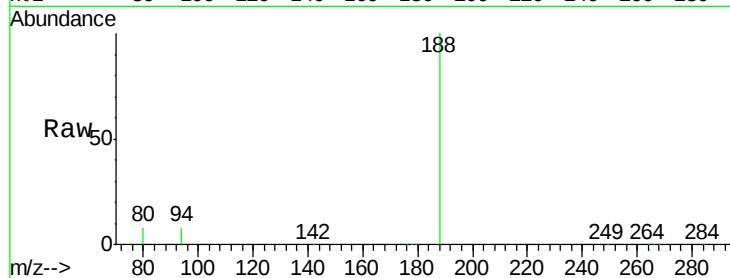
Tgt Ion:188 Resp: 45547

Ion Ratio Lower Upper

188 100

94 8.1 6.2 9.2

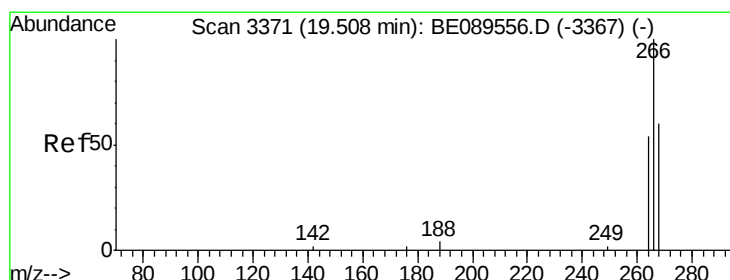
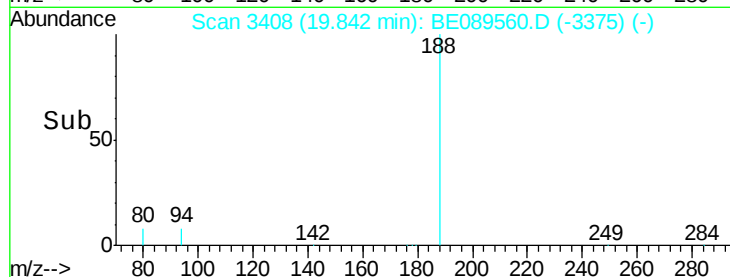
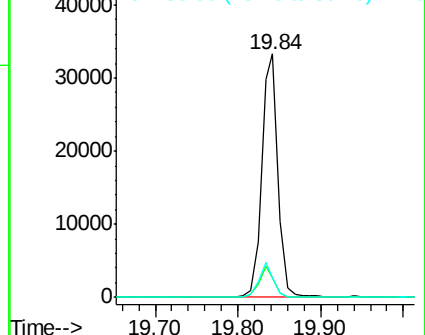
80 8.1 6.4 9.6



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

Pentachlorophenol

Concen: 0.86 ng

RT: 19.51 min Scan# 3371

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

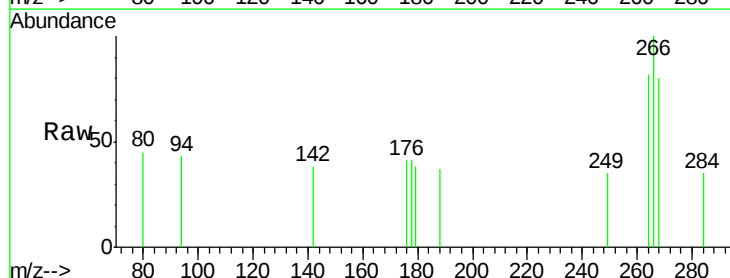
Tgt Ion:266 Resp: 218

Ion Ratio Lower Upper

266 100

268 79.9 57.9 86.9

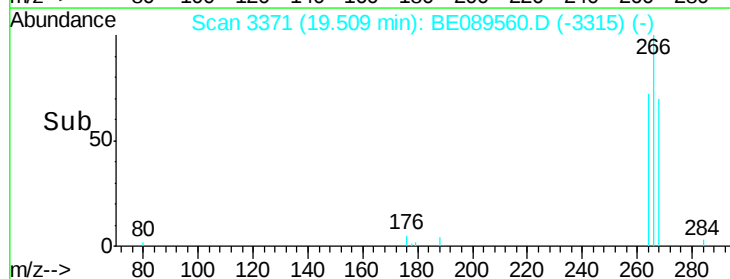
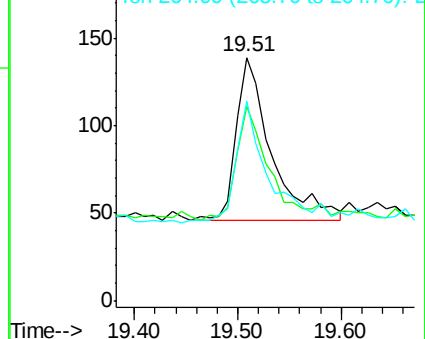
264 82.0 54.6 81.8#

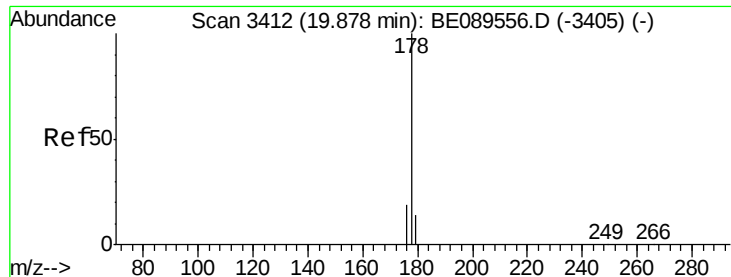


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

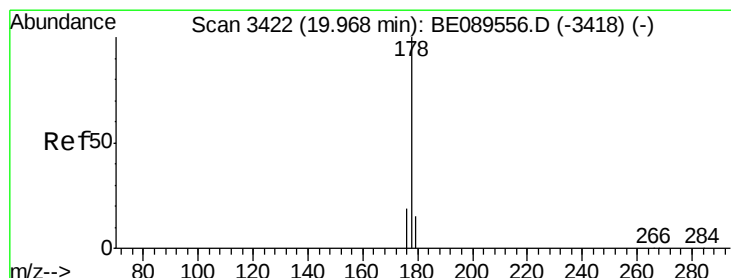
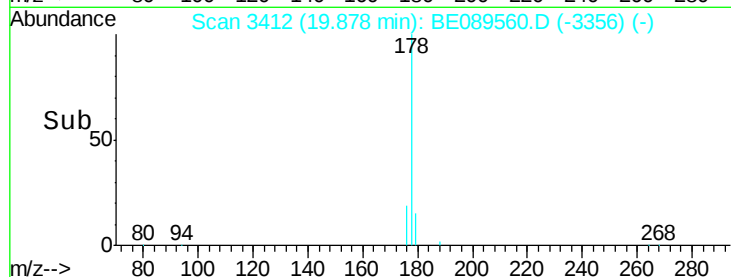
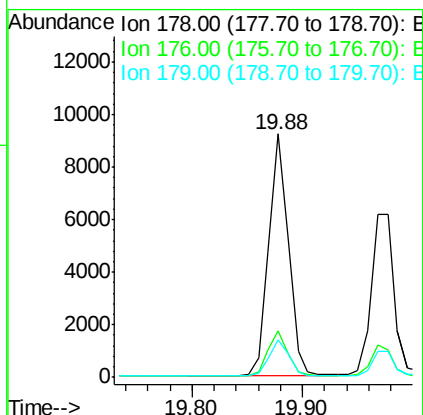
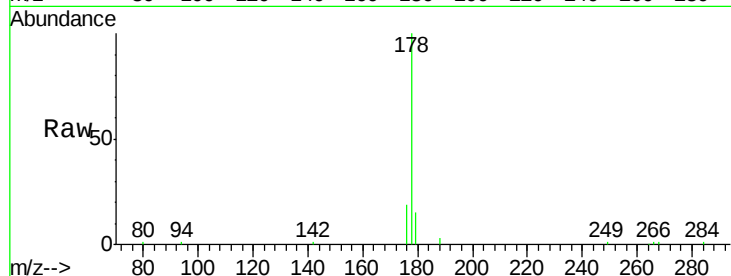




#13
Phenanthrene
Concen: 1.03 ng
RT: 19.88 min Scan# 3412
Delta R.T. 0.00 min
Lab File: BE089560.D
Acq: 10 Feb 2015 21:43

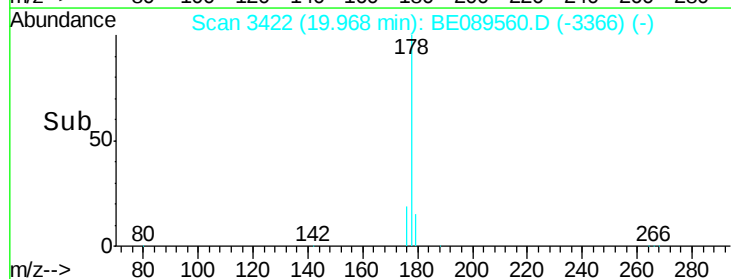
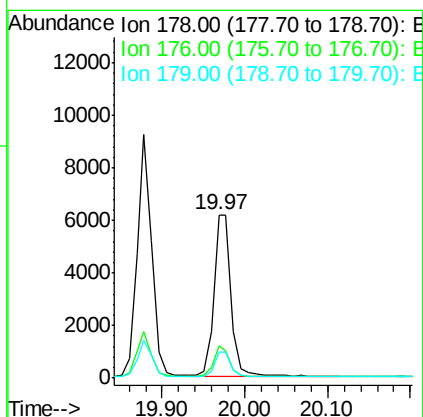
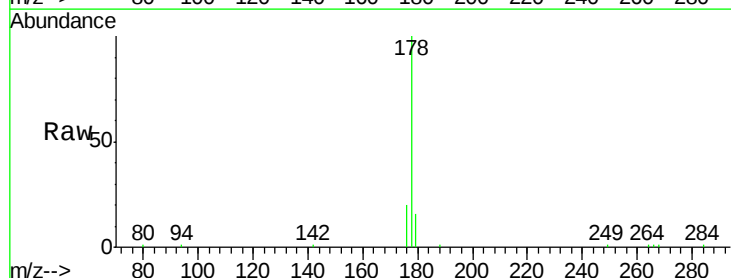
Instrument :
BNA_E
ClientSampleId :
SSTDICV001

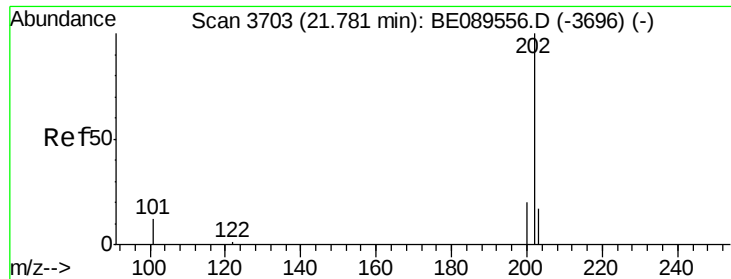
Tgt Ion:178 Resp: 11436
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.3 12.1 18.1



#14
Anthracene
Concen: 0.96 ng
RT: 19.97 min Scan# 3422
Delta R.T. 0.00 min
Lab File: BE089560.D
Acq: 10 Feb 2015 21:43

Tgt Ion:178 Resp: 9062
Ion Ratio Lower Upper
178 100
176 17.5 14.6 21.8
179 15.2 12.7 19.1

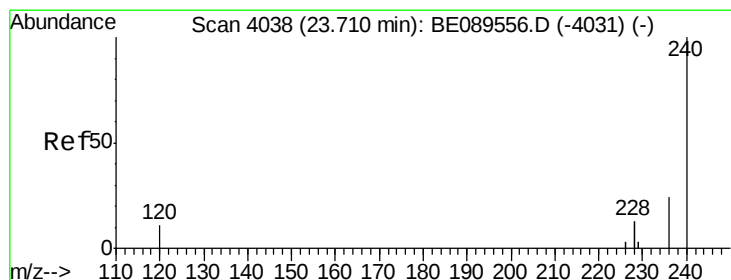
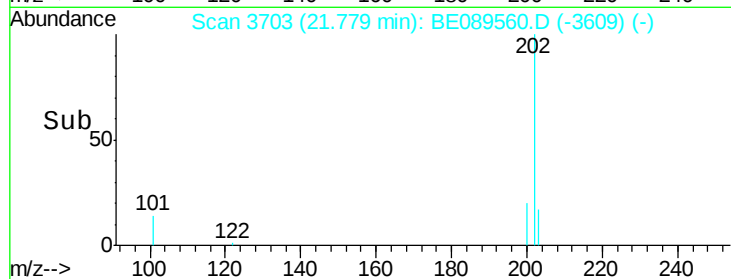
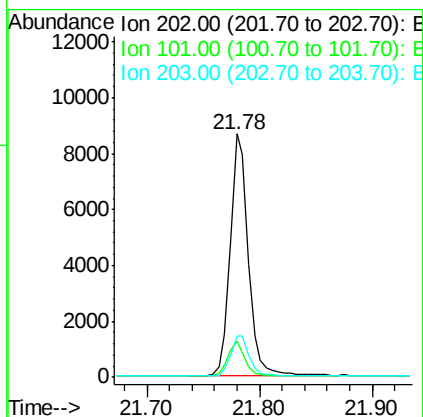
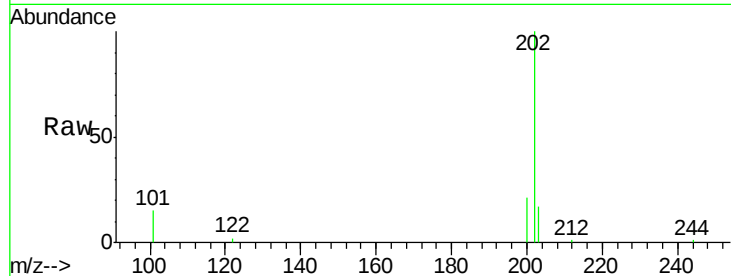




#15
 Fluoranthene
 Concen: 0.91 ng
 RT: 21.78 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: BE089560.D
 Acq: 10 Feb 2015 21:43

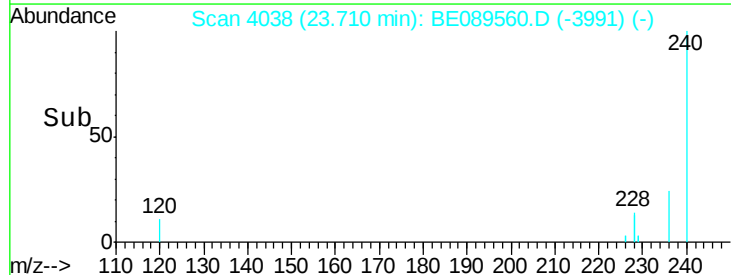
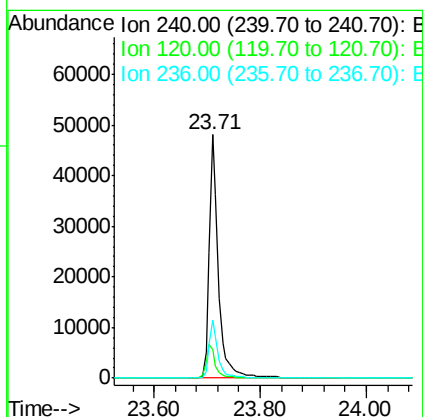
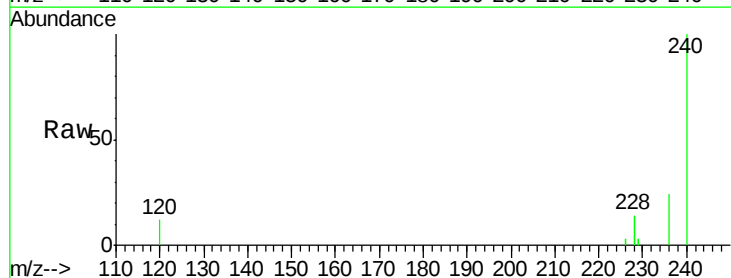
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICV001

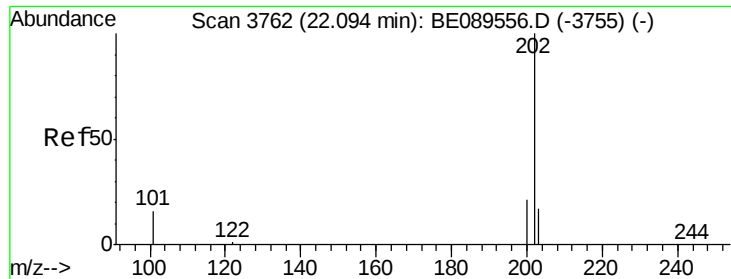
Tgt Ion: 202 Resp: 9738
 Ion Ratio Lower Upper
 202 100
 101 13.6 10.4 15.6
 203 17.5 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 4038
 Delta R.T. -0.00 min
 Lab File: BE089560.D
 Acq: 10 Feb 2015 21:43

Tgt Ion: 240 Resp: 58735
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.3 13.9
 236 23.8 19.3 28.9

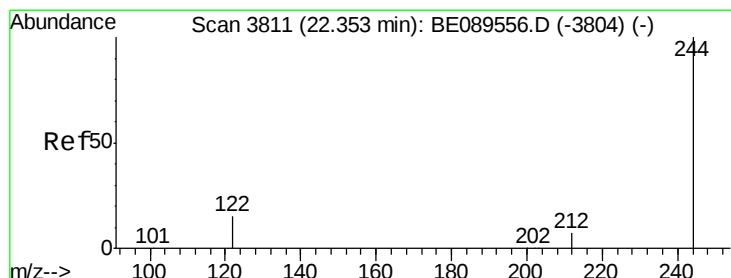
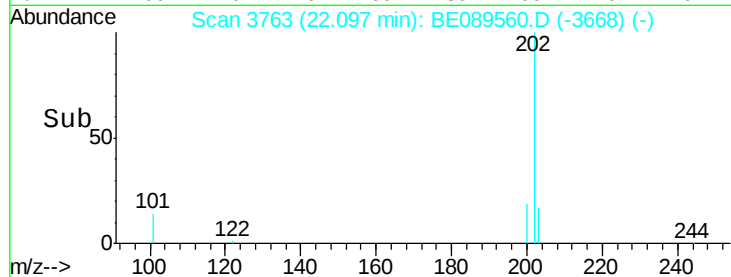
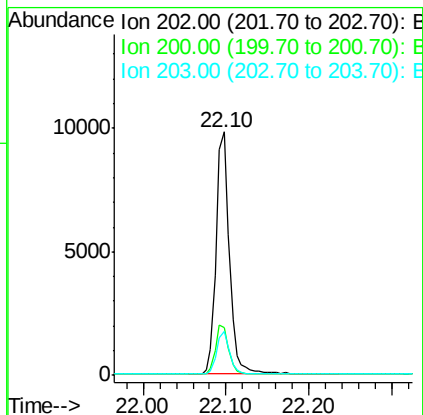
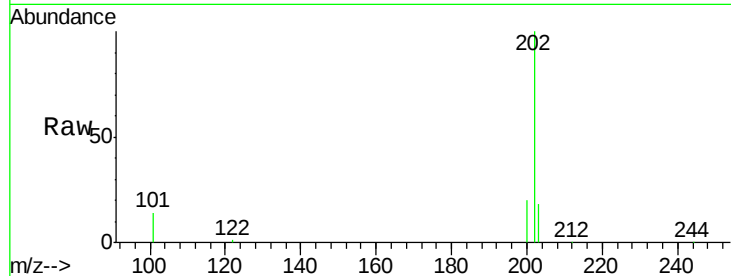




#17
 Pyrene
 Concen: 0.92 ng
 RT: 22.10 min Scan# 3763
 Delta R.T. 0.00 min
 Lab File: BE089560.D
 Acq: 10 Feb 2015 21:43

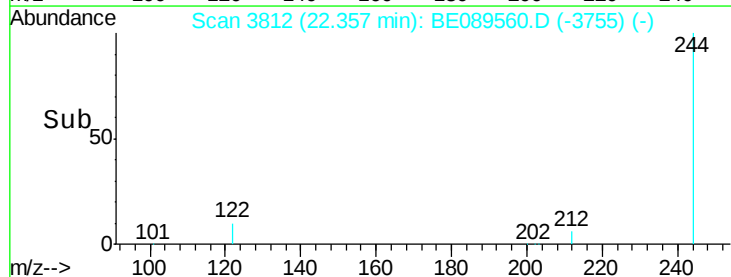
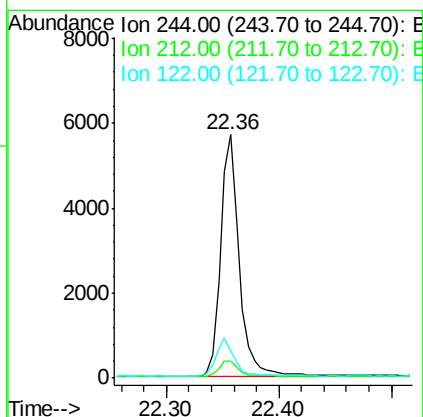
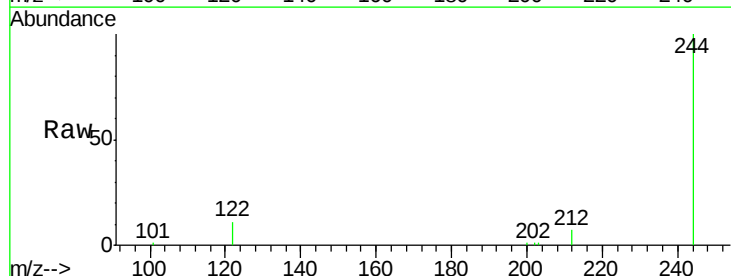
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICV001

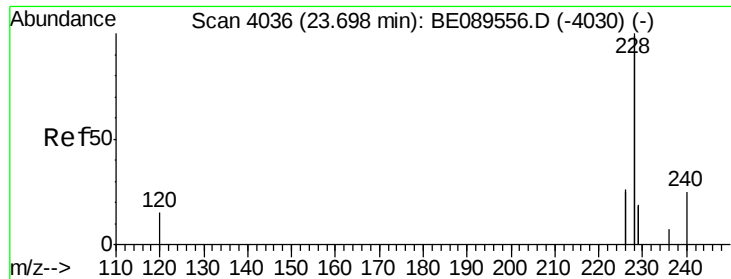
Tgt Ion: 202 Resp: 10925
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.6 24.8
 203 17.2 14.2 21.2



#18
 Terphenyl-d14
 Concen: 0.89 ng
 RT: 22.36 min Scan# 3812
 Delta R.T. 0.00 min
 Lab File: BE089560.D
 Acq: 10 Feb 2015 21:43

Tgt Ion: 244 Resp: 6489
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 11.3 12.2 18.2#





#19

Benzo(a)anthracene

Concen: 0.90 ng

RT: 23.70 min Scan# 4036

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

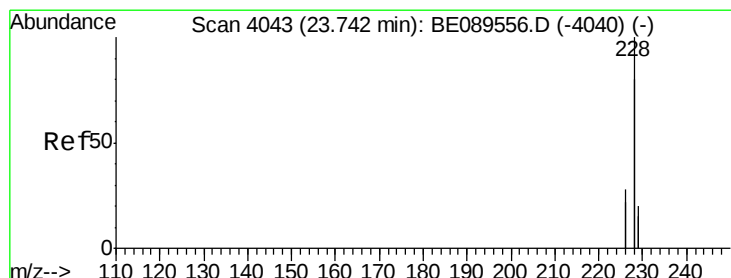
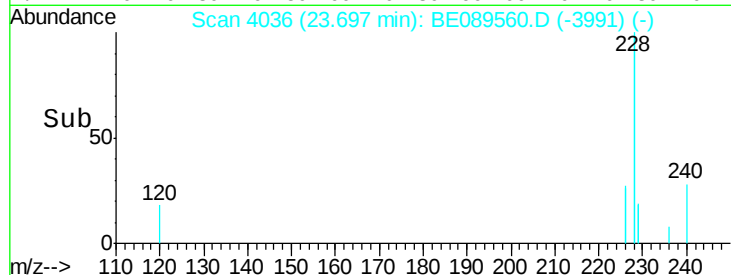
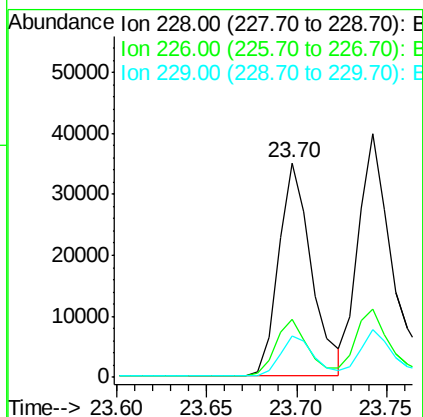
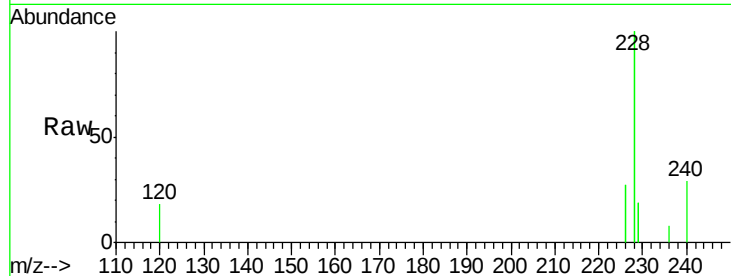
Tgt Ion:228 Resp: 44216

Ion Ratio Lower Upper

228 100

226 26.8 21.0 31.4

229 19.5 15.2 22.8



#20

Chrysene

Concen: 1.03 ng

RT: 23.74 min Scan# 4043

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

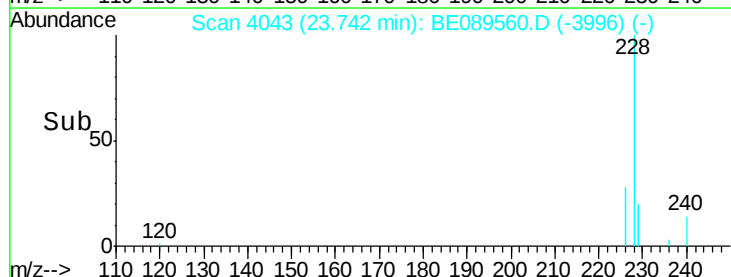
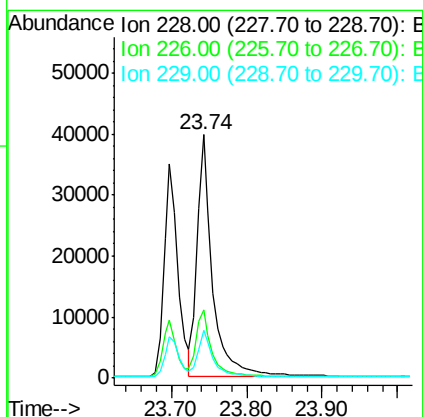
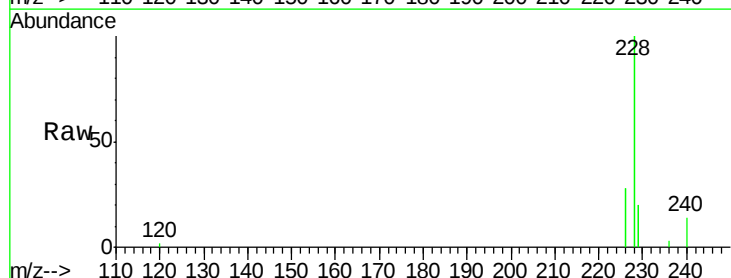
Tgt Ion:228 Resp: 56547

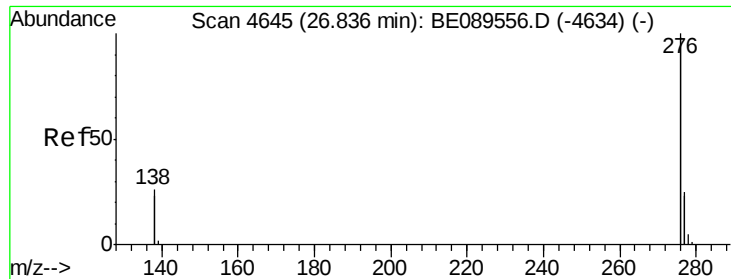
Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

229 19.6 15.6 23.4

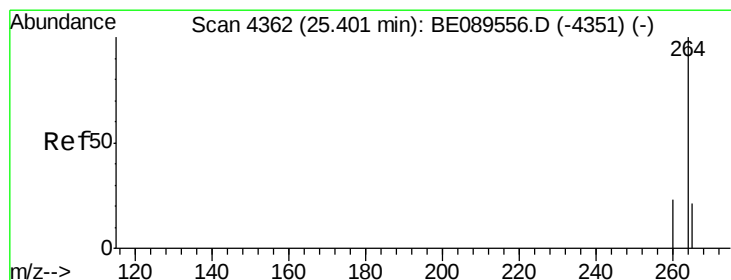
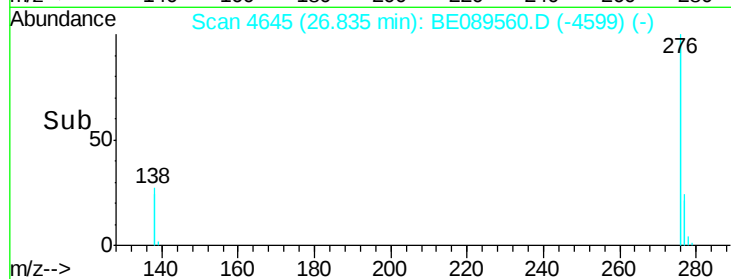
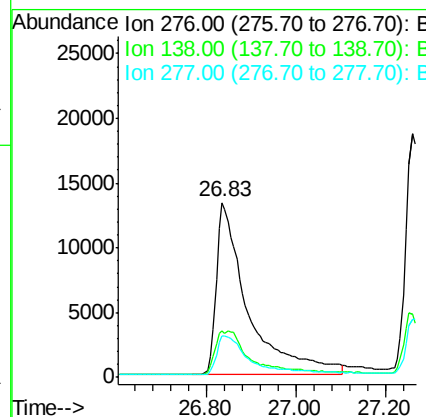
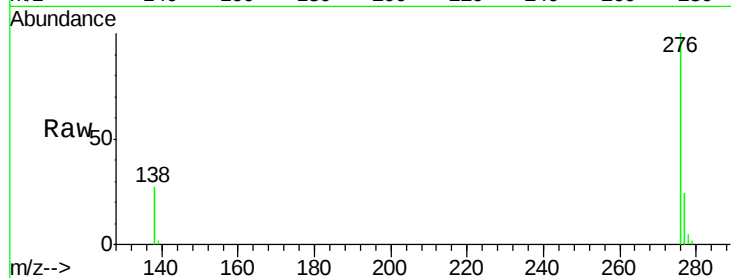




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.99 ng
 RT: 26.83 min Scan# 4645
 Delta R.T. -0.00 min
 Lab File: BE089560.D
 Acq: 10 Feb 2015 21:43

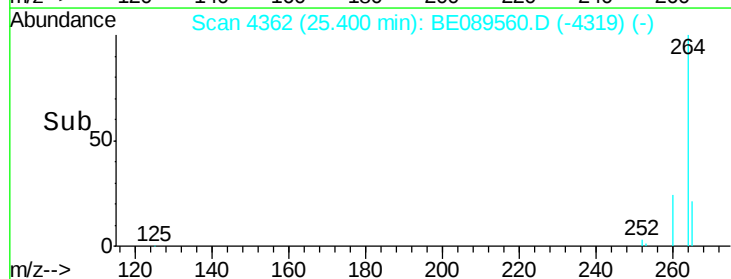
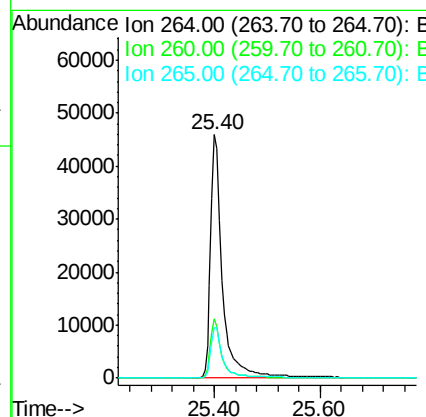
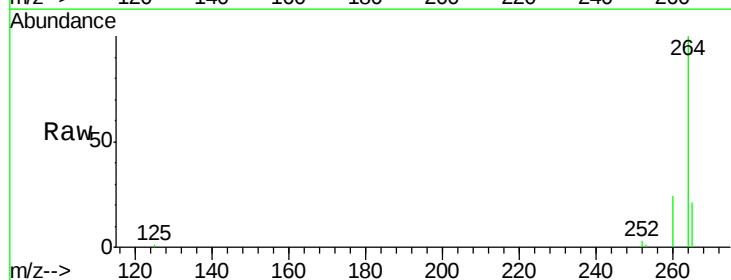
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICV001

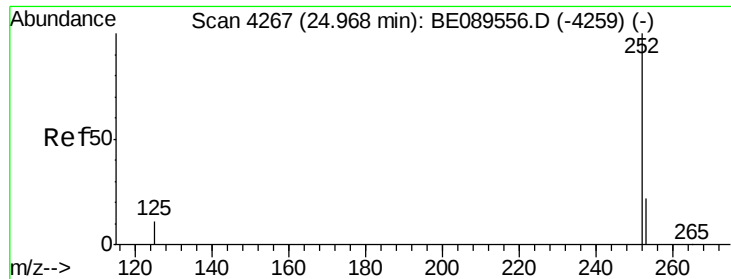
Tgt Ion: 276 Resp: 65583
 Ion Ratio Lower Upper
 276 100
 138 8.7 20.2 30.4#
 277 21.2 19.6 29.4



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.40 min Scan# 4362
 Delta R.T. -0.00 min
 Lab File: BE089560.D
 Acq: 10 Feb 2015 21:43

Tgt Ion: 264 Resp: 71317
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.7 28.1
 265 20.8 16.8 25.2





#23

Benzo(b)fluoranthene

Concen: 0.82 ng

RT: 24.97 min Scan# 4267

Delta R.T. -0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

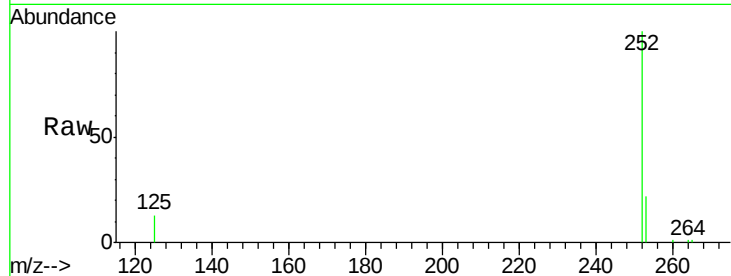
Tgt Ion:252 Resp: 8788

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

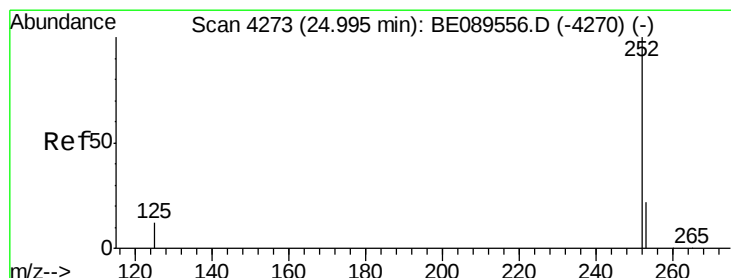
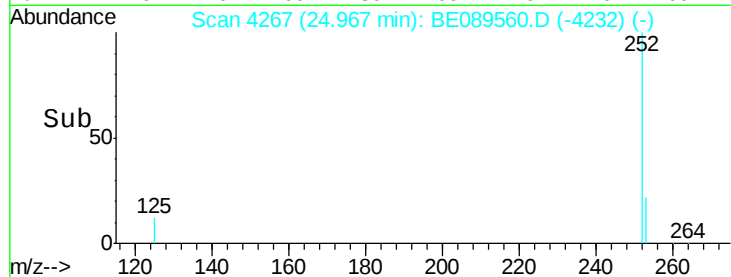
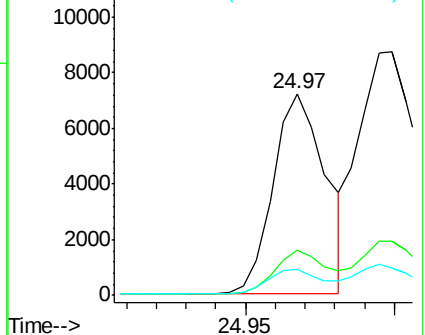
125 12.6 9.3 13.9



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(k)fluoranthene

Concen: 1.04 ng

RT: 25.00 min Scan# 4274

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

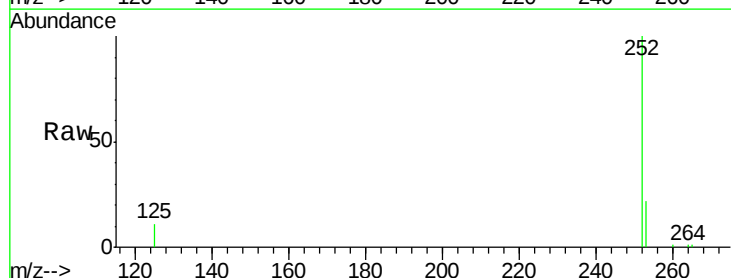
Tgt Ion:252 Resp: 18216

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

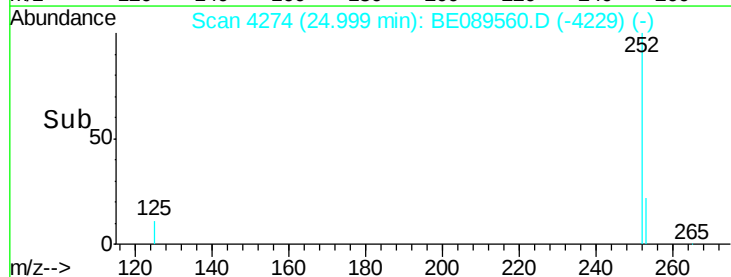
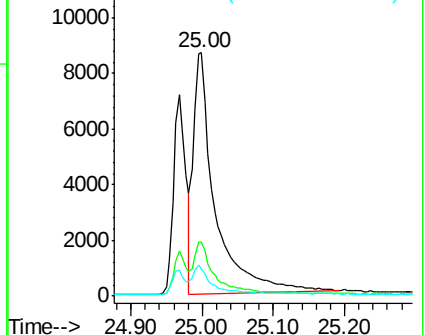
125 11.4 9.6 14.4

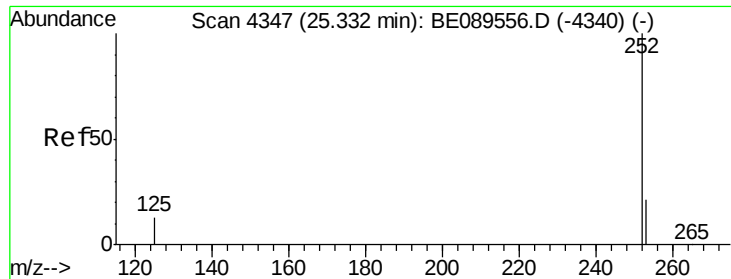


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.84 ng

RT: 25.34 min Scan# 4348

Delta R.T. 0.00 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTDICV001

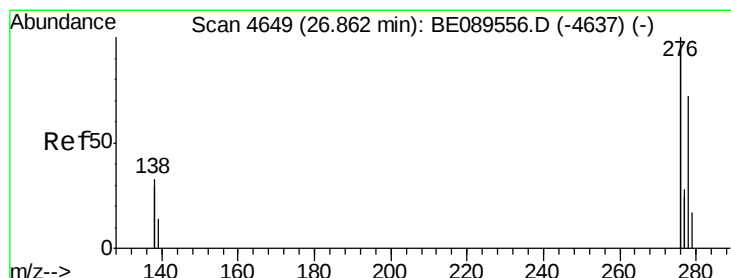
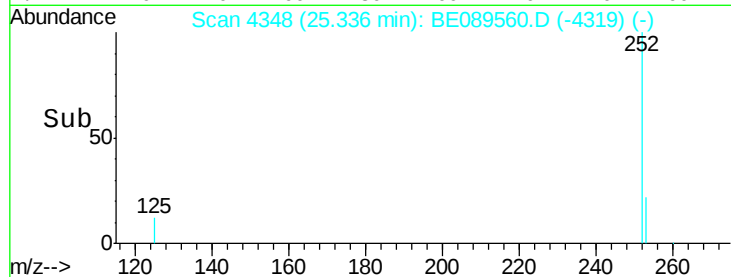
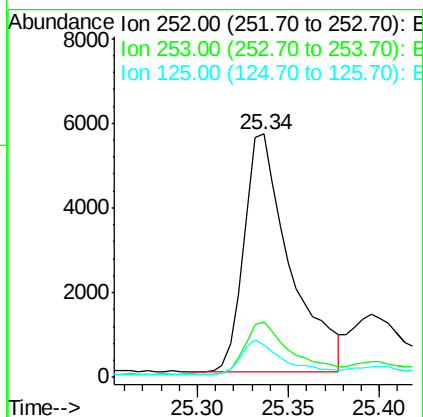
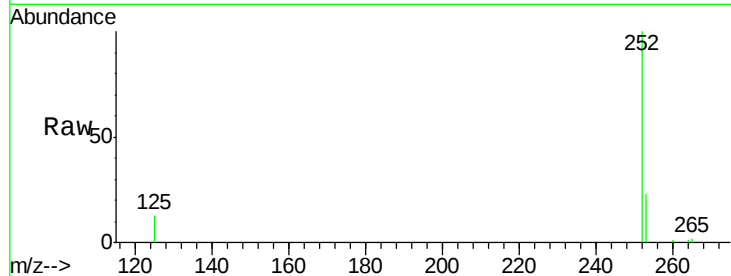
Tgt Ion: 252 Resp: 9846

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 13.5 11.1 16.7



#26

Dibenzo(a,h)anthracene

Concen: 0.87 ng

RT: 26.87 min Scan# 4650

Delta R.T. 0.01 min

Lab File: BE089560.D

Acq: 10 Feb 2015 21:43

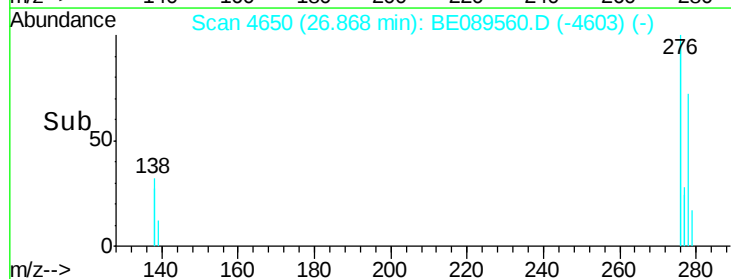
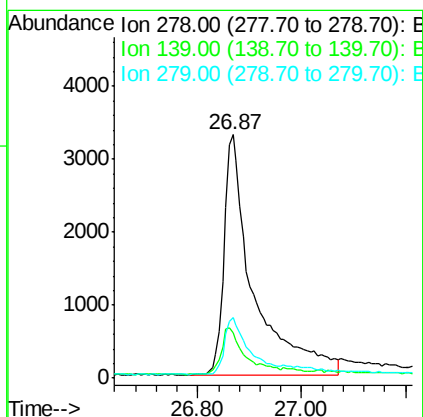
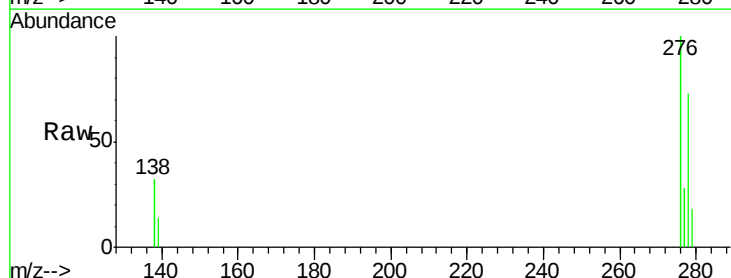
Tgt Ion: 278 Resp: 12904

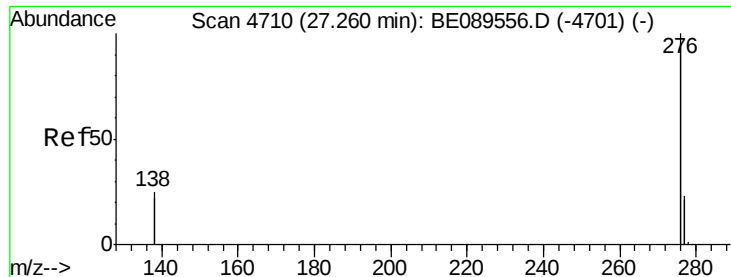
Ion Ratio Lower Upper

278 100

139 18.6 16.1 24.1

279 25.0 19.6 29.4





#27
 Benzo(g,h,i)perylene
 Concen: 1.07 ng
 RT: 27.26 min Scan# 4710
 Delta R.T. -0.00 min
 Lab File: BE089560.D
 Acq: 10 Feb 2015 21:43

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICV001

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	26.0	19.7	29.5

