

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : BE089372.D
 Acq On : 8 Jan 2015 18:46
 Operator : TP/IZ
 Sample : F5245-17RX
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RA2

Quant Time: Jan 09 03:04:30 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE123014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 09 01:27:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1174	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4728	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2395	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3758	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2751	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2419	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.11	96	422	0.24	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	0.00
16) Fluoranthene-d10	14.91	212	2	0.00	ng/ul	0.00

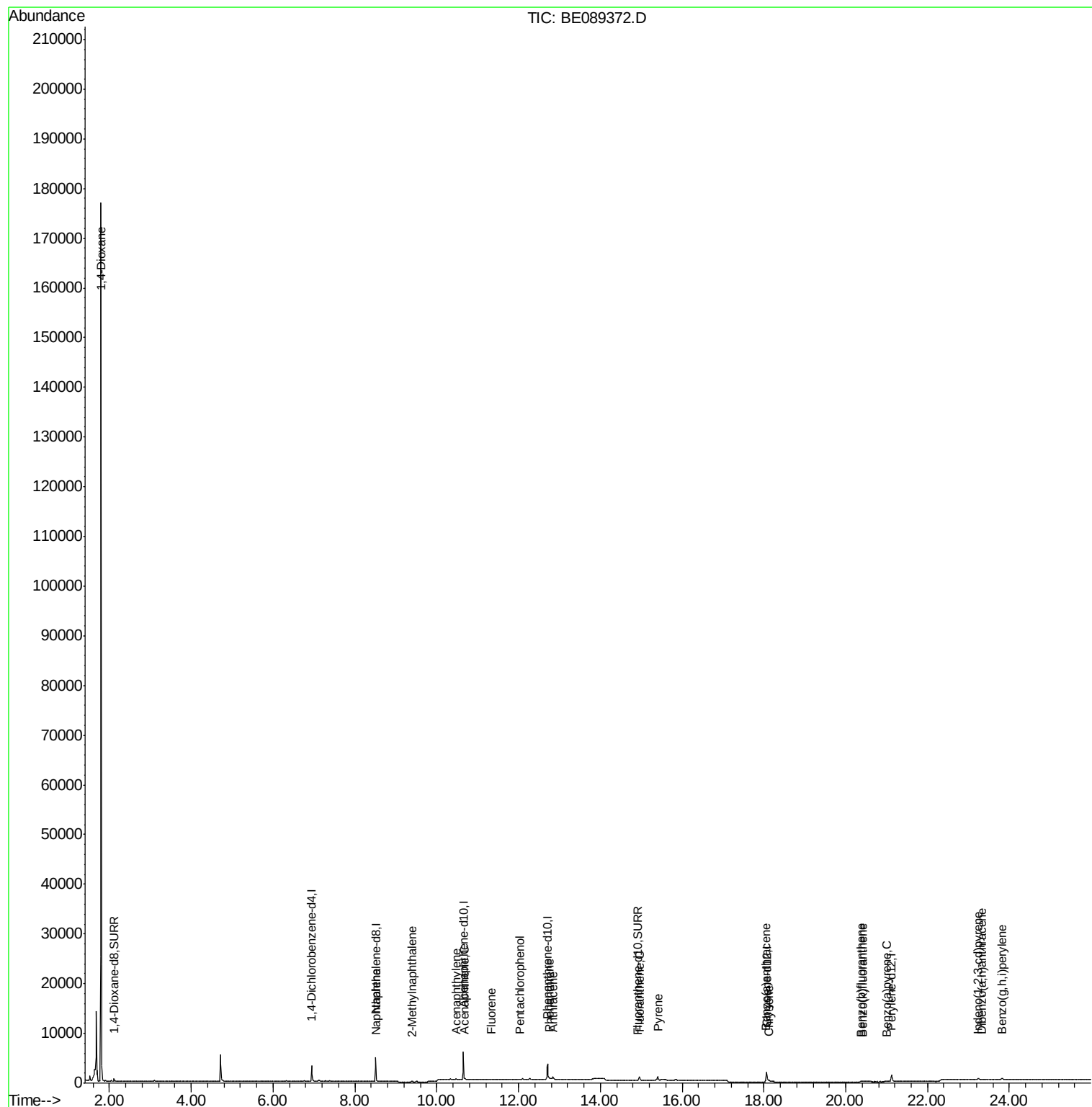
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	1.80	88	5427	2.76	ng/ul#	1
5) Naphthalene	8.53	128	88	0.01	ng/ul#	9
7) 2-Methylnaphthalene	9.39	142	36	0.01	ng/ul	83
9) Acenaphthylene	10.48	152	104	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	162	0.01	ng/ul#	49
11) Fluorene	11.34	166	36	0.01	ng/ul#	67
13) Pentachlorophenol	12.03	266	283	0.73	ng/ul#	1
14) Phenanthrene	12.75	178	423	0.01	ng/ul#	19
15) Anthracene	12.83	178	563	0.02	ng/ul#	35
17) Fluoranthene	14.95	202	991	0.03	ng/ul	61
19) Pyrene	15.40	202	1110	0.03	ng/ul#	61
20) Benzo(a)anthracene	18.05	228	264	0.04	ng/ul#	63
21) Chrysene	18.12	228	278	0.04	ng/ul#	61
23) Benzo(b)fluoranthene	20.37	252	189	0.03	ng/ul#	28
24) Benzo(k)fluoranthene	20.42	252	257	0.03	ng/ul#	31
25) Benzo(a)pyrene	21.01	252	187	0.03	ng/ul#	23
26) Indeno(1,2,3-cd)pyrene	23.23	276	863	0.05	ng/ul#	77
27) Dibenzo(a,h)anthracene	23.32	278	153	0.03	ng/ul#	25
28) Benzo(g,h,i)perylene	23.82	276	754	0.03	ng/ul#	36

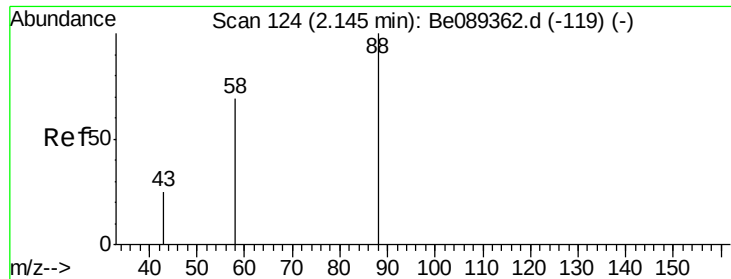
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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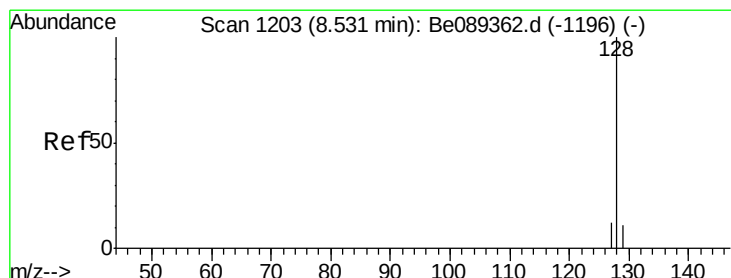
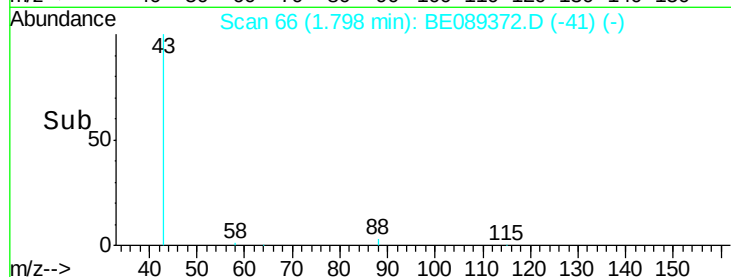
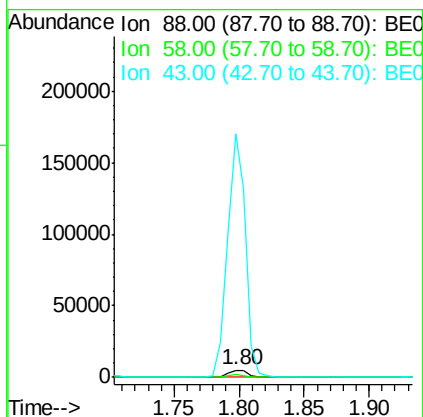
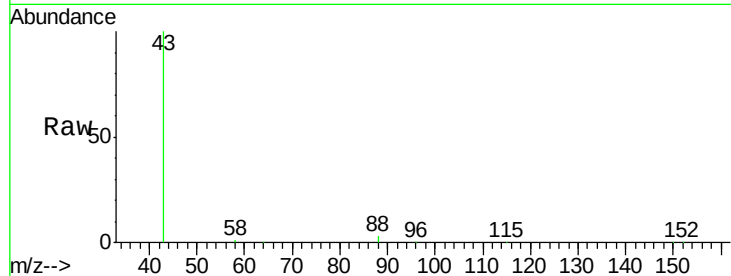




#3
1,4-Dioxane
Concen: 2.76 ng/ul
RT: 1.80 min Scan# 66
Delta R.T. -0.35 min
Lab File: BE089372.D
Acq: 8 Jan 2015 18:46

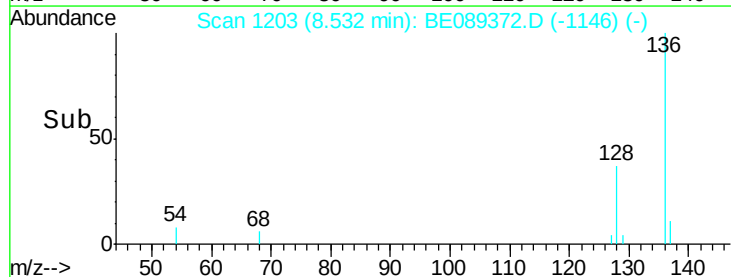
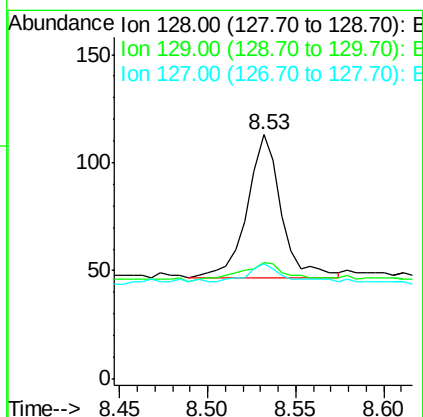
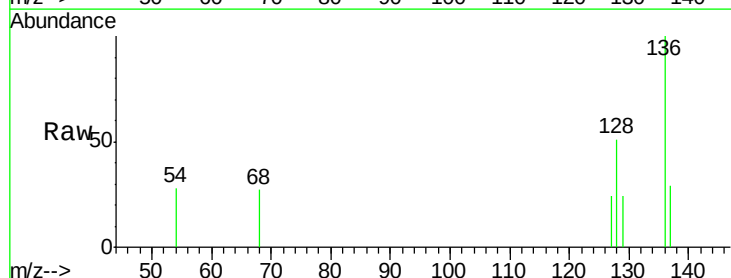
Instrument :
BNA_E
ClientSampleId :
Y9RA2

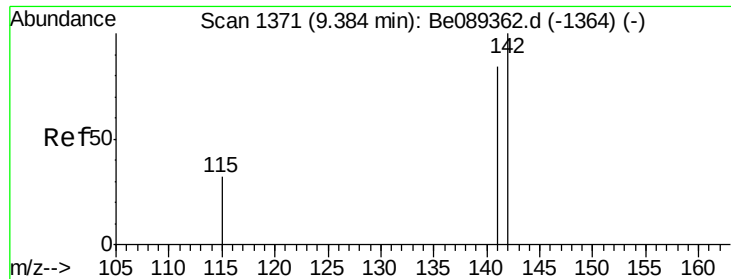
Tgt Ion: 88 Resp: 5427
Ion Ratio Lower Upper
88 100
58 29.3 61.5 92.3#
43 3046.8 23.9 35.9#



#5
Naphthalene
Concen: 0.01 ng/ul
RT: 8.53 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BE089372.D
Acq: 8 Jan 2015 18:46

Tgt Ion: 128 Resp: 88
Ion Ratio Lower Upper
128 100
129 47.8 9.1 13.7#
127 46.9 10.0 15.0#





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

Instrument :

BNA_E

ClientSampleId :

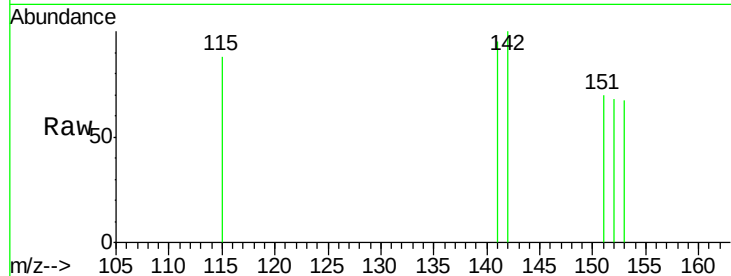
Y9RA2

Tgt Ion:142 Resp: 36

Ion Ratio Lower Upper

142 100

141 66.7 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

9.39

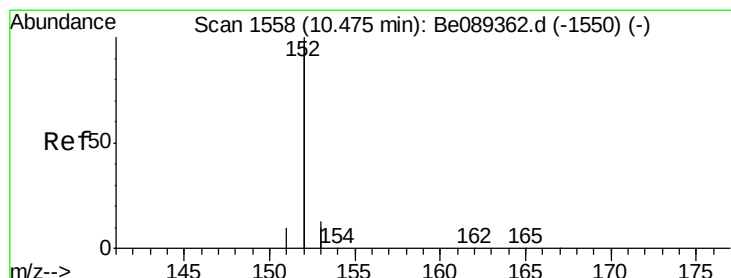
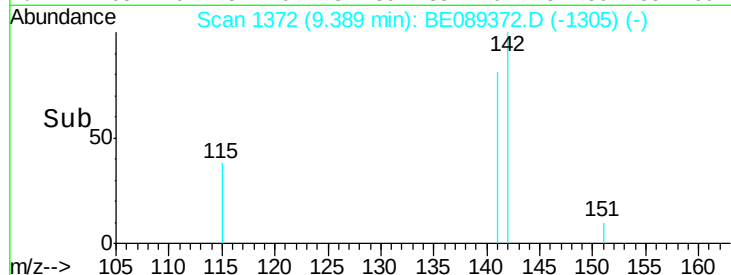
60

40

20

0

Time--> 9.30 9.35 9.40 9.45



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

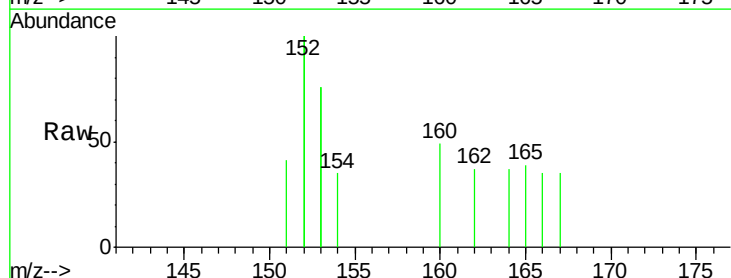
Tgt Ion:152 Resp: 104

Ion Ratio Lower Upper

152 100

151 20.7 4.0 6.0#

153 75.9 10.1 15.1#



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

10.48

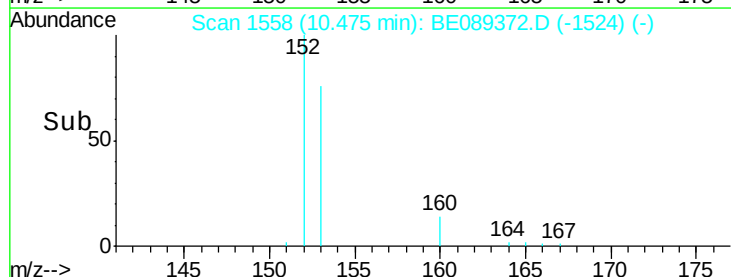
300

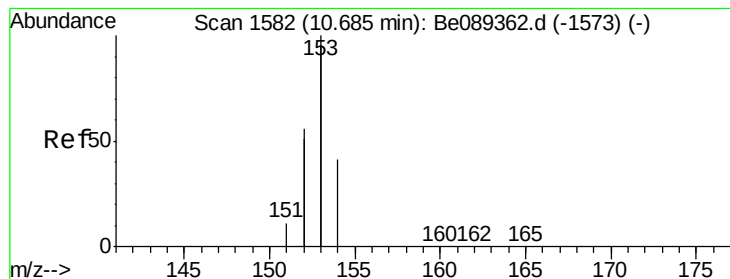
200

100

0

Time--> 10.40 10.45 10.50





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

Instrument :

BNA_E

ClientSampleId :

Y9RA2

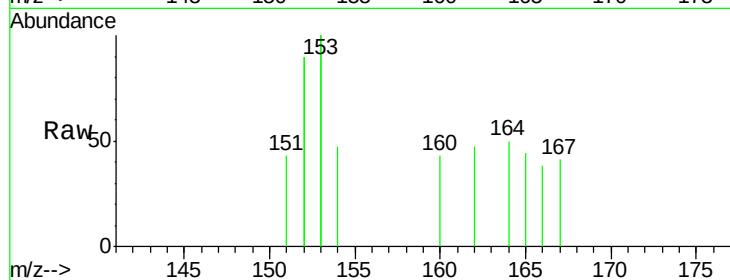
Tgt Ion:153 Resp: 162

Ion Ratio Lower Upper

153 100

152 90.3 32.6 49.0#

154 23.4 21.8 32.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

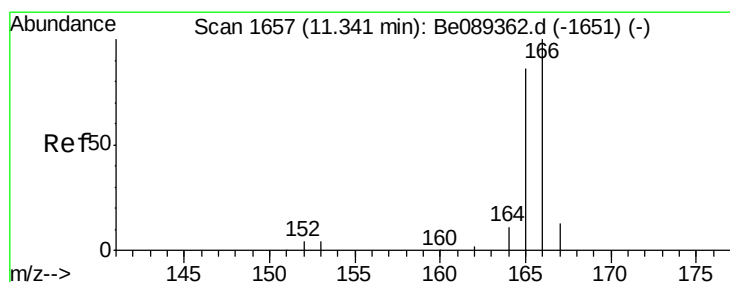
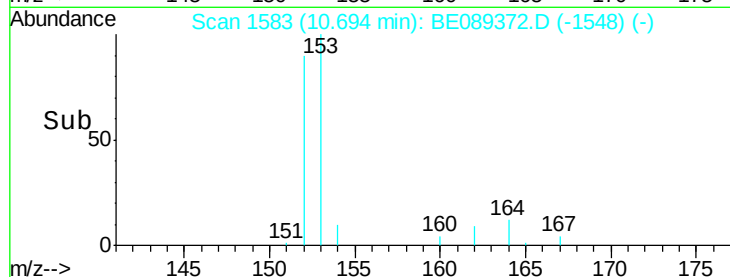
10.69

200

100

0

Time--> 10.50 10.60 10.70



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

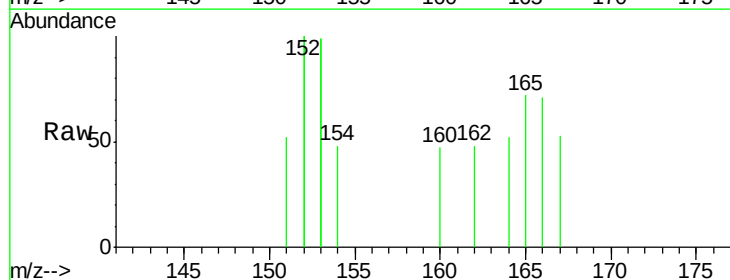
Tgt Ion:166 Resp: 36

Ion Ratio Lower Upper

166 100

165 101.5 70.3 105.5

167 74.6 11.5 17.3#



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

11.34

80

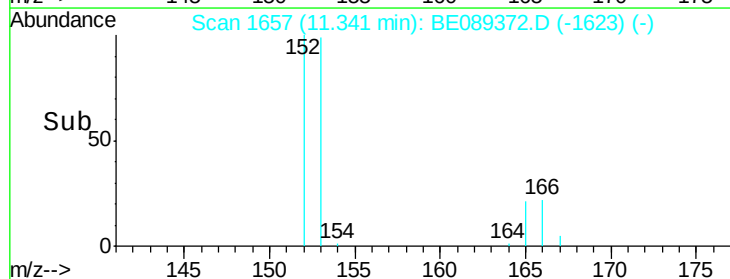
60

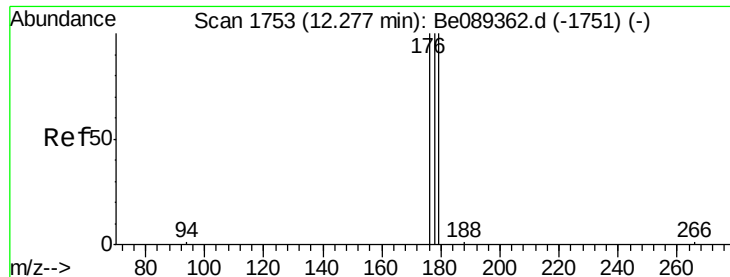
40

20

0

Time--> 11.30 11.40





#13

Pentachlorophenol

Concen: 0.73 ng/ul

RT: 12.03 min Scan# 1733

Delta R.T. -0.24 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

Instrument :

BNA_E

ClientSampleId :

Y9RA2

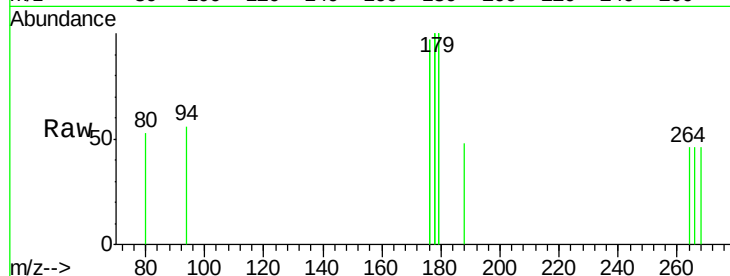
Tgt Ion: 266 Resp: 283

Ion Ratio Lower Upper

266 100

264 238.2 48.7 73.1#

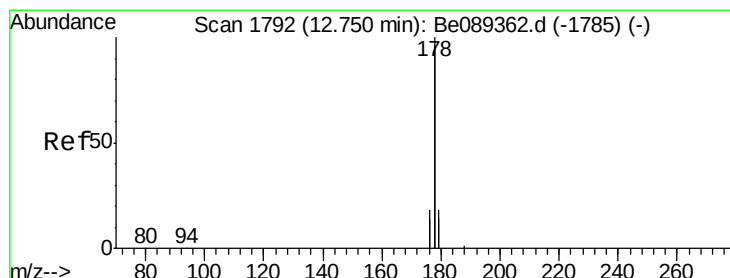
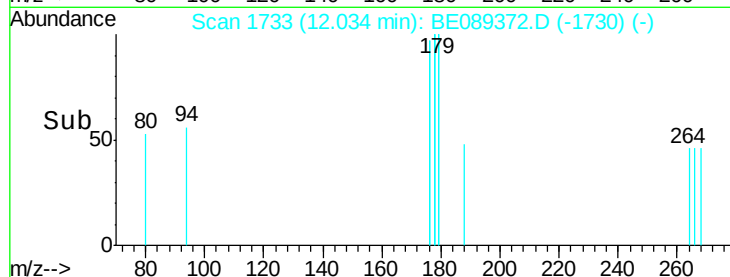
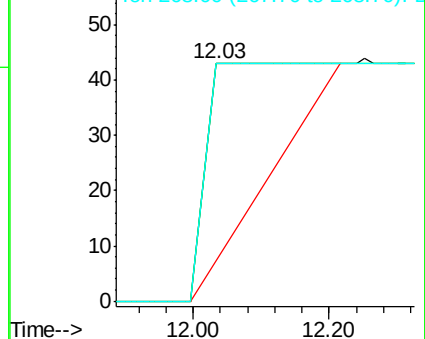
268 238.2 52.9 79.3#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 12.75 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

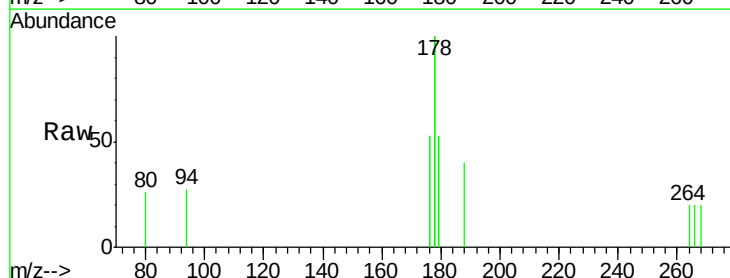
Tgt Ion: 178 Resp: 423

Ion Ratio Lower Upper

178 100

176 53.1 14.3 21.5#

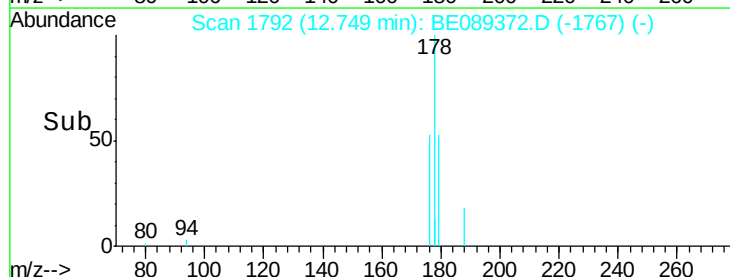
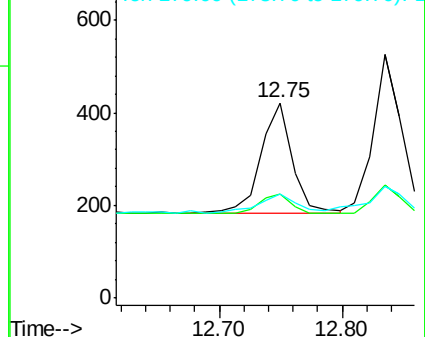
179 53.1 13.8 20.8#

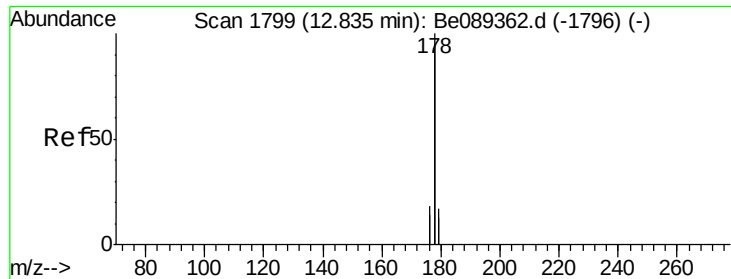


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.02 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

Instrument :

BNA_E

ClientSampleId :

Y9RA2

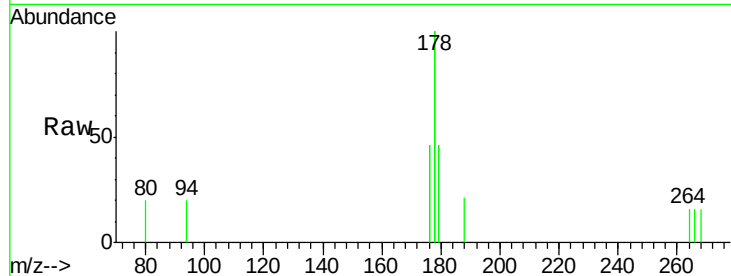
Tgt Ion:178 Resp: 563

Ion Ratio Lower Upper

178 100

176 46.4 14.7 22.1#

179 45.6 13.4 20.2#



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

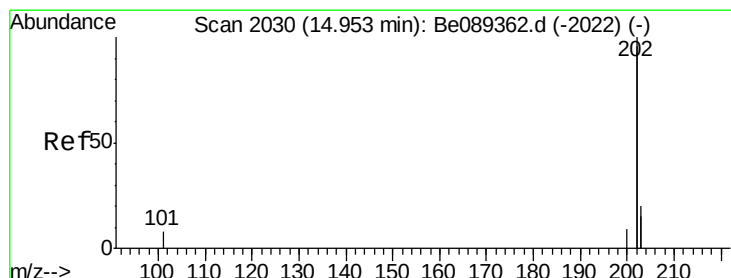
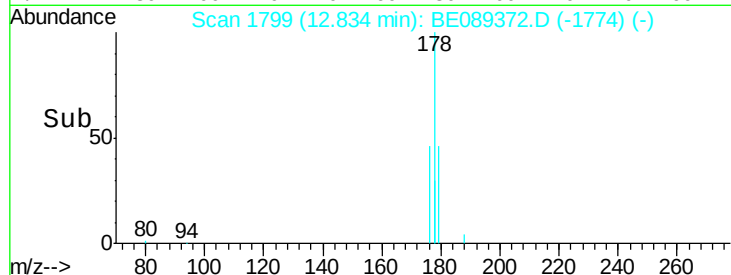
12.83

400

200

0

Time-->



#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 14.95 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

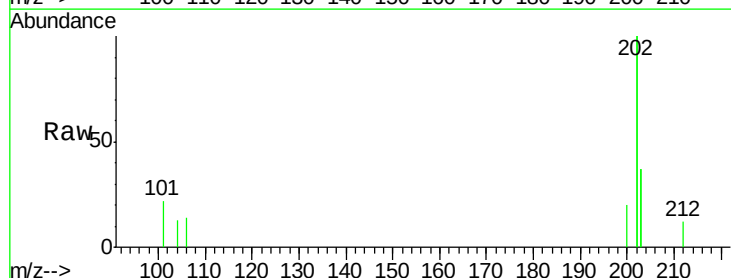
Tgt Ion:202 Resp: 991

Ion Ratio Lower Upper

202 100

101 10.9 0.0 24.6

203 37.4 0.0 37.8



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

14.95

1000

800

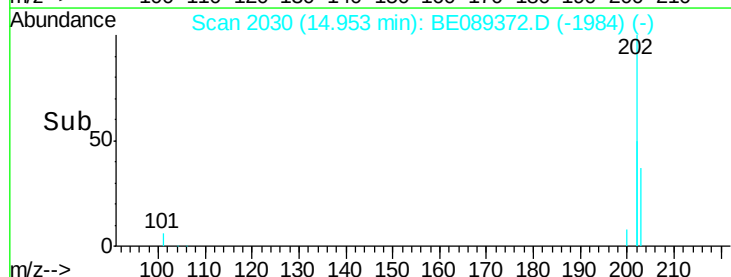
600

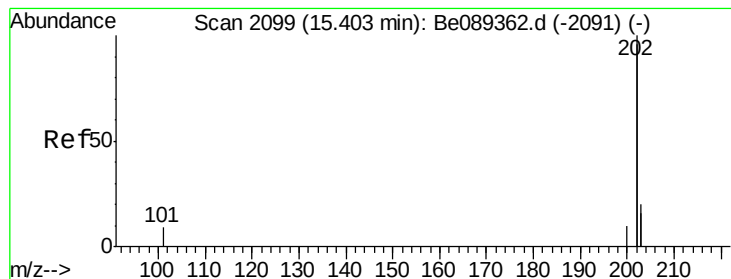
400

200

0

Time-->





#19

Pyrene

Concen: 0.03 ng/ul

RT: 15.40 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

Instrument :

BNA_E

ClientSampleId :

Y9RA2

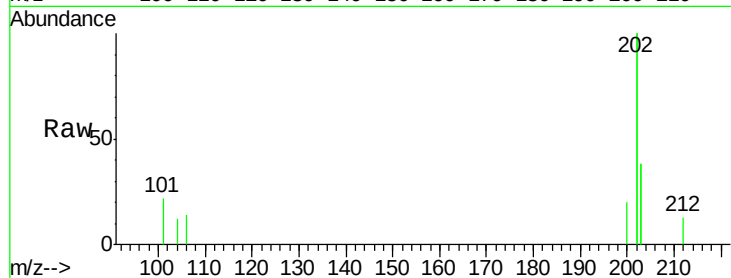
Tgt Ion:202 Resp: 1110

Ion Ratio Lower Upper

202 100

200 9.9 4.2 6.4#

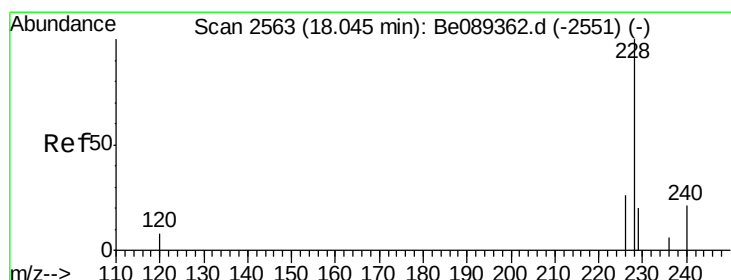
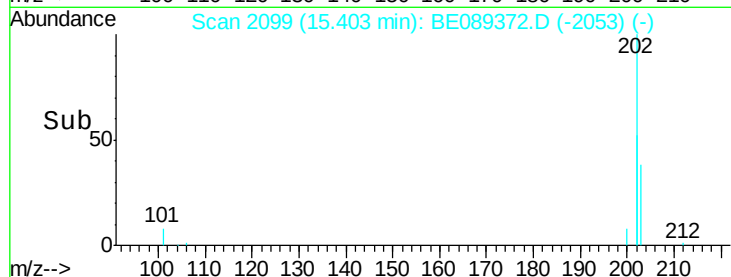
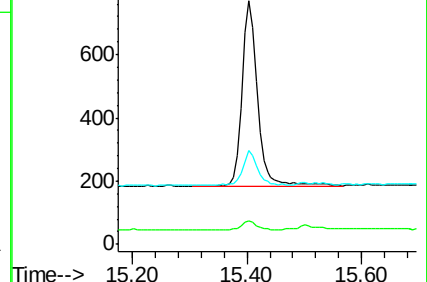
203 38.4 14.4 21.6#



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



#20

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

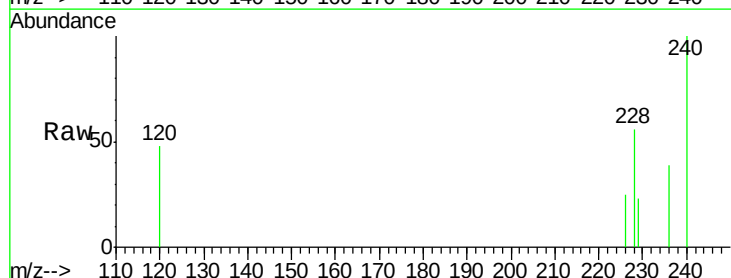
Tgt Ion:228 Resp: 264

Ion Ratio Lower Upper

228 100

226 45.1 21.9 32.9#

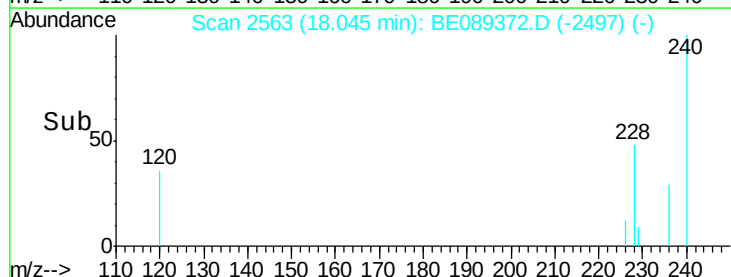
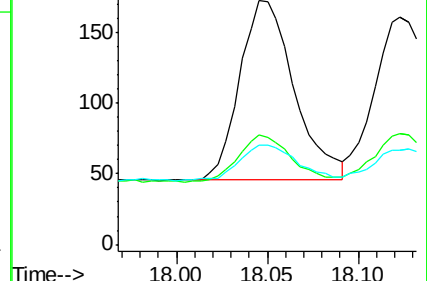
229 40.5 16.9 25.3#

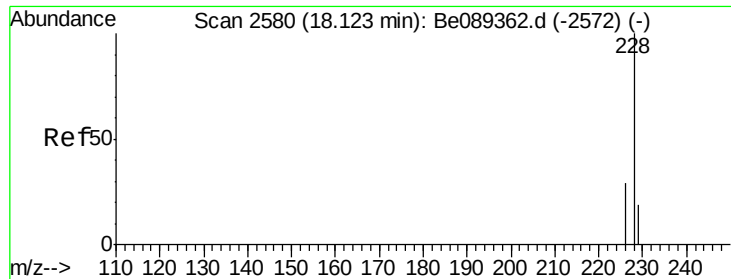


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.04 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

Instrument :

BNA_E

ClientSampleId :

Y9RA2

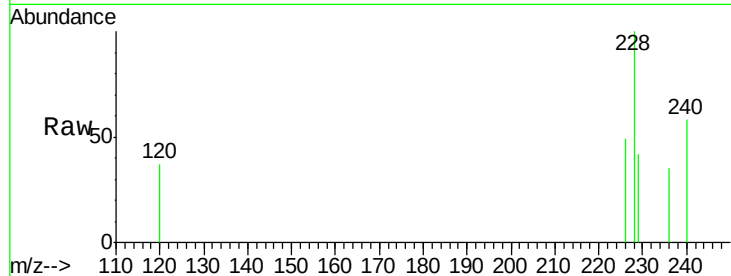
Tgt Ion:228 Resp: 278

Ion Ratio Lower Upper

228 100

226 49.1 23.9 35.9#

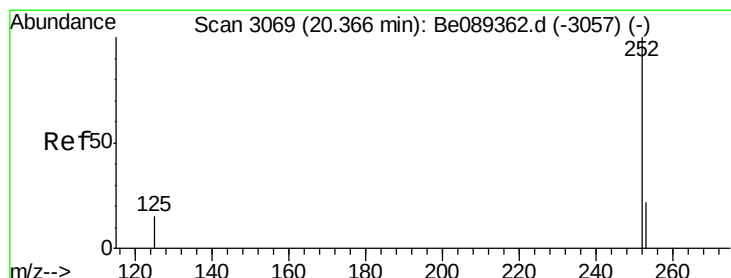
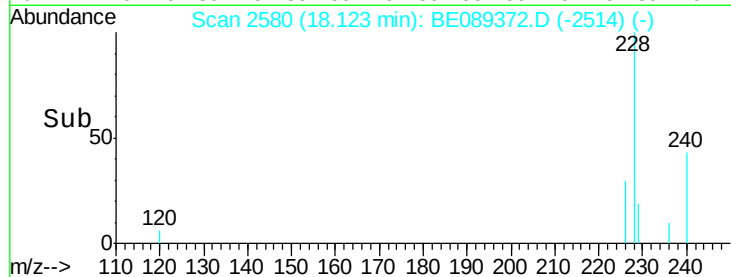
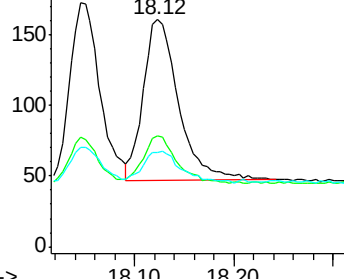
229 41.6 16.8 25.2#



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



#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 20.37 min Scan# 3071

Delta R.T. 0.01 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

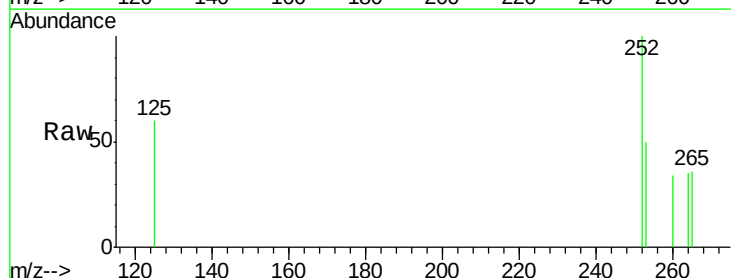
Tgt Ion:252 Resp: 189

Ion Ratio Lower Upper

252 100

253 50.0 0.0 47.8#

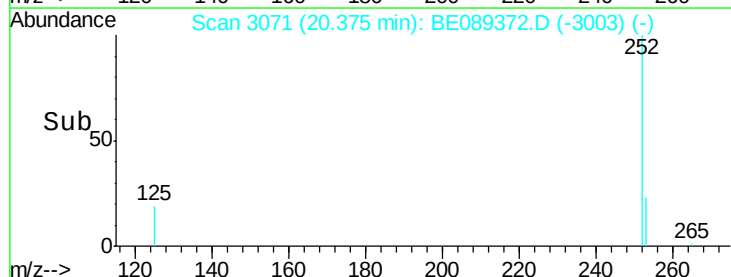
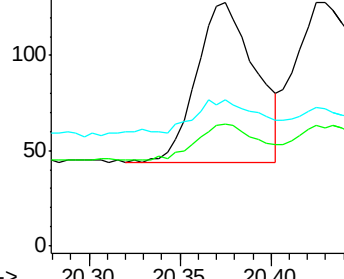
125 60.2 0.0 34.2#

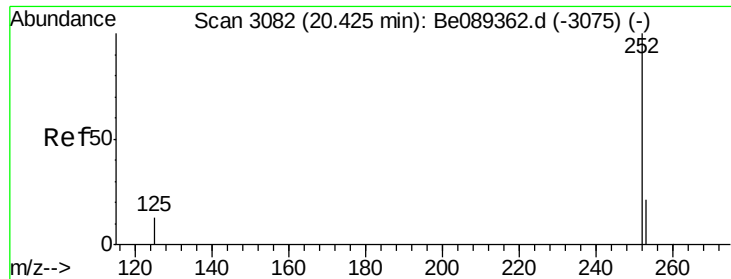


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 20.42 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

Instrument :

BNA_E

ClientSampleId :

Y9RA2

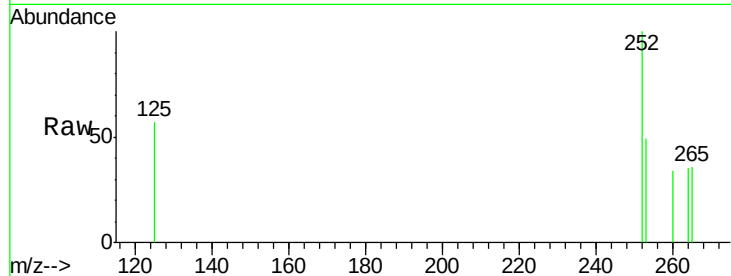
Tgt Ion:252 Resp: 257

Ion Ratio Lower Upper

252 100

253 49.2 19.0 28.6#

125 57.0 13.5 20.3#



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

20.42

150

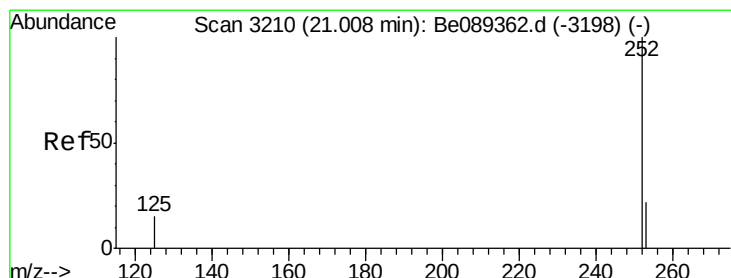
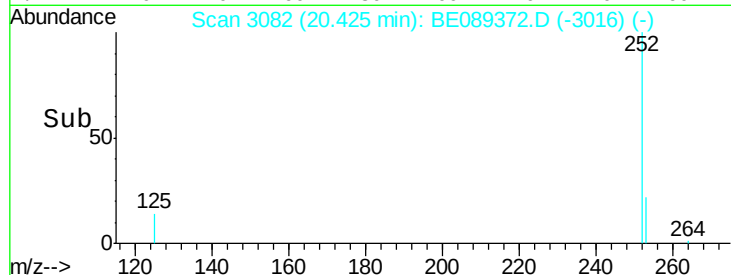
100

50

0

20.40 20.50 20.60

Time-->



#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

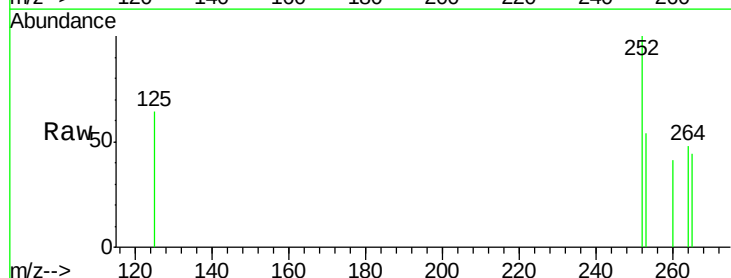
Tgt Ion:252 Resp: 187

Ion Ratio Lower Upper

252 100

253 54.1 19.7 29.5#

125 64.2 15.0 22.6#



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

21.01

150

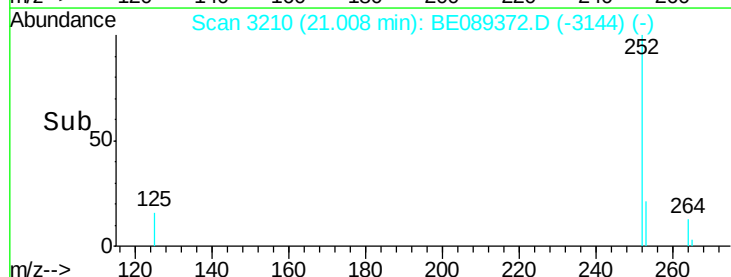
100

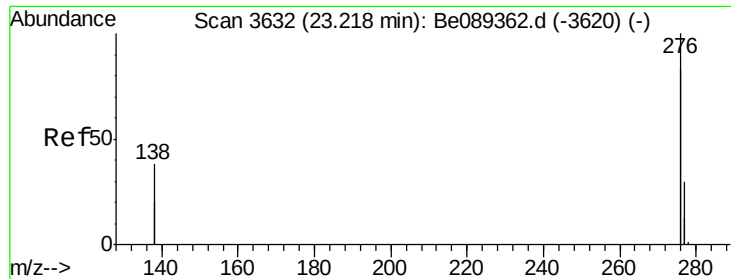
50

0

21.00 21.10

Time-->

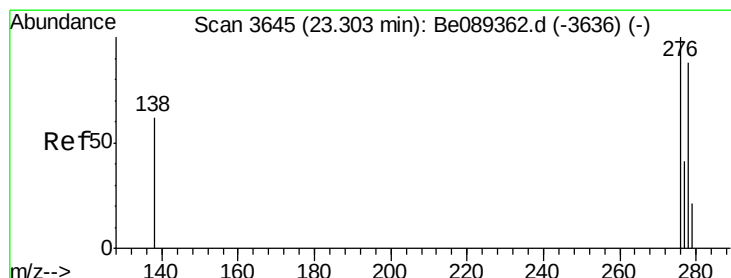
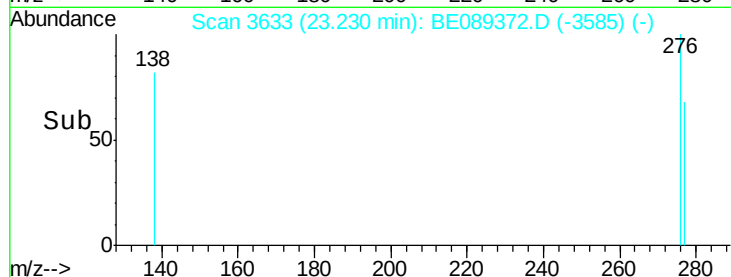
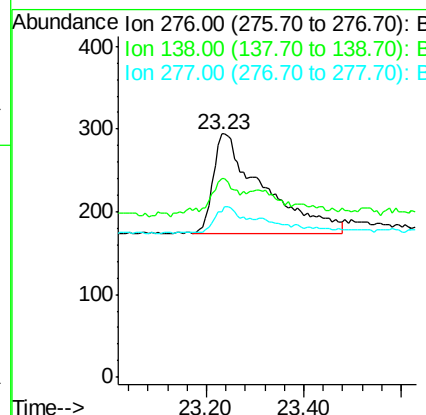
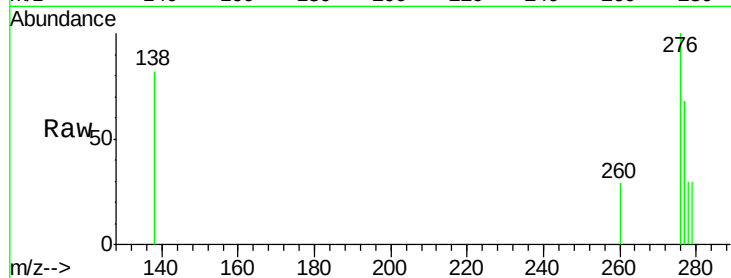




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng/ul
 RT: 23.23 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: BE089372.D
 Acq: 8 Jan 2015 18:46

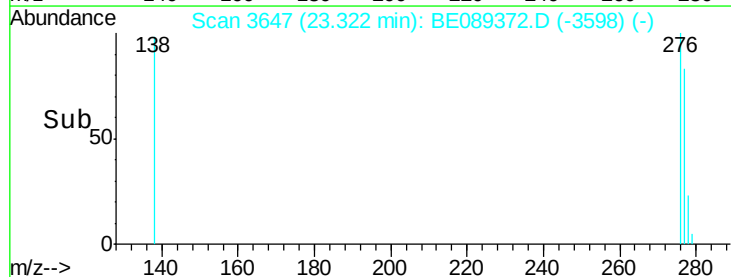
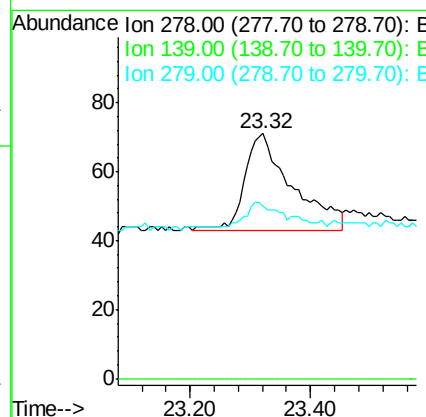
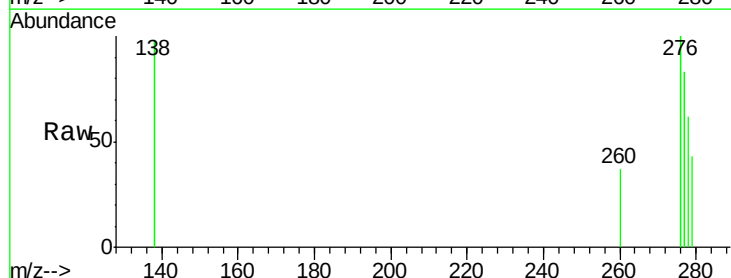
Instrument :
 BNA_E
 ClientSampled :
 Y9RA2

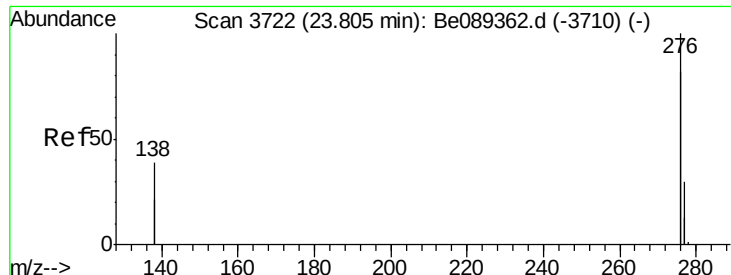
Tgt Ion: 276 Resp: 863
 Ion Ratio Lower Upper
 276 100
 138 14.6 23.8 35.8#
 277 15.6 18.9 28.3#



#27
 Dibenzo(a,h)anthracene
 Concen: 0.03 ng/ul
 RT: 23.32 min Scan# 3647
 Delta R.T. 0.02 min
 Lab File: BE089372.D
 Acq: 8 Jan 2015 18:46

Tgt Ion: 278 Resp: 153
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 70.4 24.0 36.0#





#28

Benzo(g,h,i)perylene

Concen: 0.03 ng/ul

RT: 23.82 min Scan# 3724

Delta R.T. 0.02 min

Lab File: BE089372.D

Acq: 8 Jan 2015 18:46

Instrument :

BNA_E

ClientSampleId :

Y9RA2

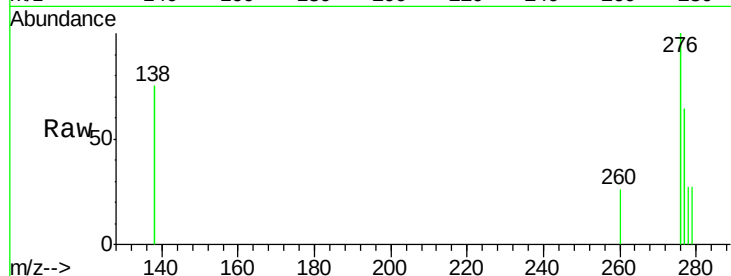
Tgt Ion: 276 Resp: 754

Ion Ratio Lower Upper

276 100

277 63.6 22.3 33.5#

138 74.5 30.0 45.0#



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

