

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : BE089369.D
 Acq On : 8 Jan 2015 17:08
 Operator : TP/IZ
 Sample : PB81248BL
 Misc : SBLK86
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SBLK86

Quant Time: Jan 09 02:53:01 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	1223	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4739	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.66	164	2373	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3584	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2687	0.40	ng/ul	0.00
22) Perylene-d12	21.13	264	2136	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.11	96	3148	1.71	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.91	212	1	0.00	ng/ul	0.00

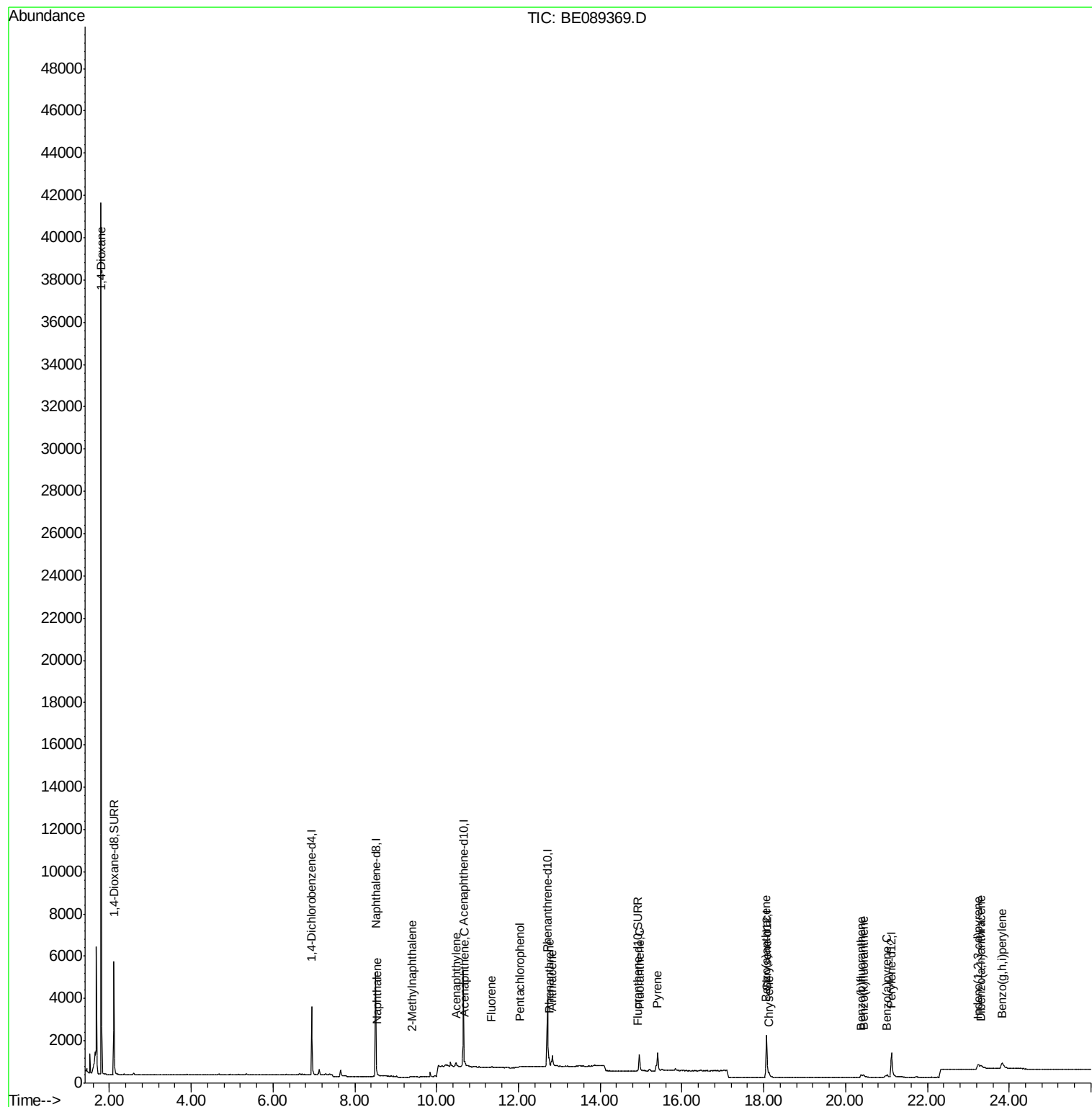
Target Compounds				Qvalue		
3) 1,4-Dioxane	1.80	88	1338	0.65	ng/ul#	1
5) Naphthalene	8.54	128	90	0.01	ng/ul#	9
7) 2-Methylnaphthalene	9.39	142	34	0.00	ng/ul#	63
9) Acenaphthylene	10.48	152	176	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	153	0.01	ng/ul#	53
11) Fluorene	11.34	166	47	0.01	ng/ul#	71
13) Pentachlorophenol	12.03	266	440	1.18	ng/ul#	17
14) Phenanthrene	12.75	178	493	0.01	ng/ul#	28
15) Anthracene	12.83	178	632	0.02	ng/ul#	39
17) Fluoranthene	14.96	202	1184	0.03	ng/ul	65
19) Pyrene	15.40	202	1291	0.04	ng/ul#	68
20) Benzo(a)anthracene	18.05	228	308	0.05	ng/ul#	67
21) Chrysene	18.13	228	338	0.05	ng/ul#	70
23) Benzo(b)fluoranthene	20.38	252	219	0.04	ng/ul#	44
24) Benzo(k)fluoranthene	20.43	252	298	0.04	ng/ul#	47
25) Benzo(a)pyrene	21.01	252	224	0.04	ng/ul#	38
26) Indeno(1,2,3-cd)pyrene	23.24	276	1070	0.07	ng/ul#	78
27) Dibenzo(a,h)anthracene	23.31	278	194	0.04	ng/ul#	26
28) Benzo(g,h,i)perylene	23.83	276	999	0.05	ng/ul#	38

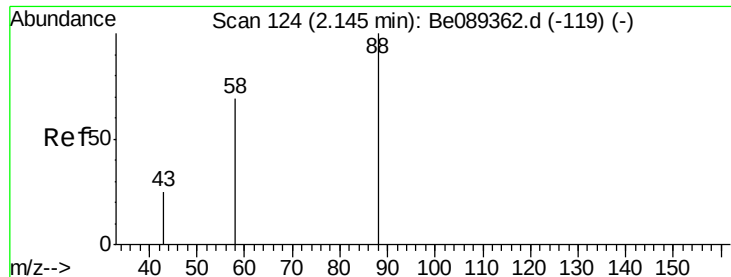
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.65 ng/ul

RT: 1.80 min Scan# 67

Delta R.T. -0.34 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampled :

SBLK86

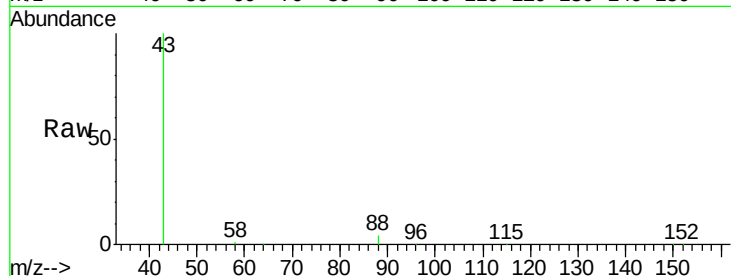
Tgt Ion: 88 Resp: 1338

Ion Ratio Lower Upper

88 100

58 25.4 61.5 92.3#

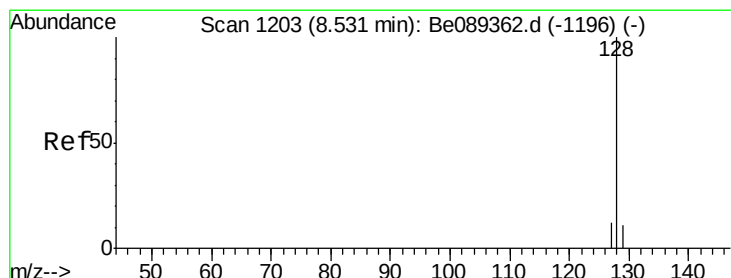
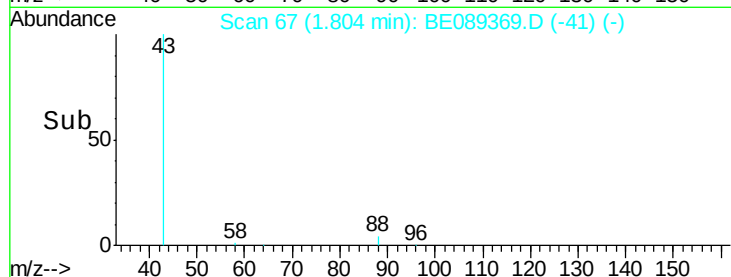
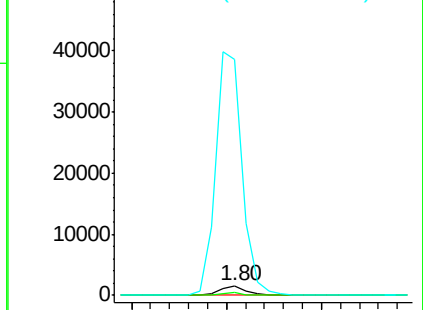
43 2841.6 23.9 35.9#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.54 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

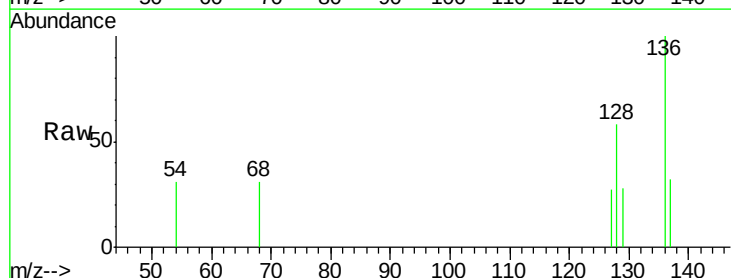
Tgt Ion: 128 Resp: 90

Ion Ratio Lower Upper

128 100

129 48.6 9.1 13.7#

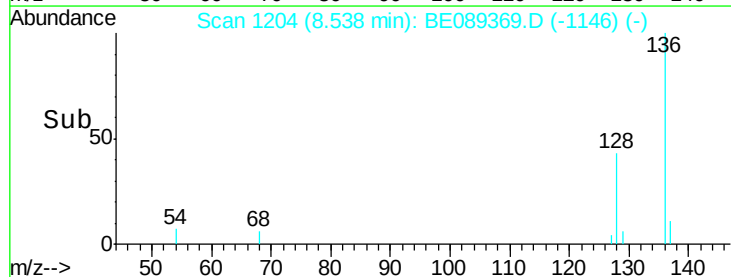
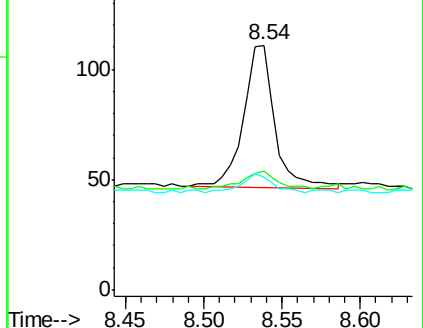
127 45.9 10.0 15.0#

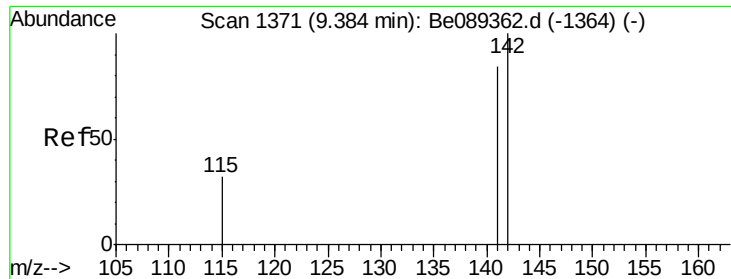


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 9.39 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampleId :

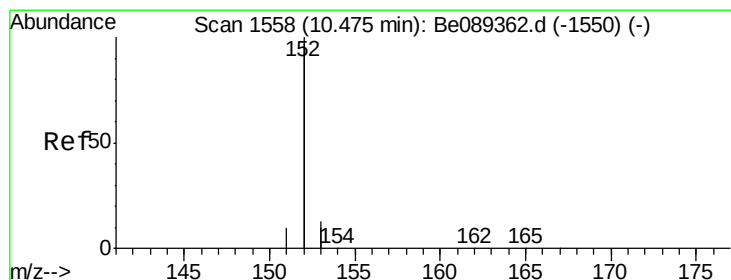
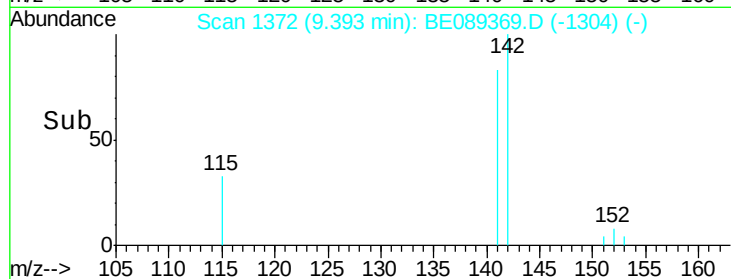
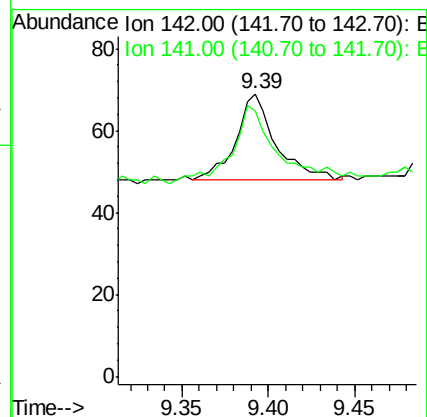
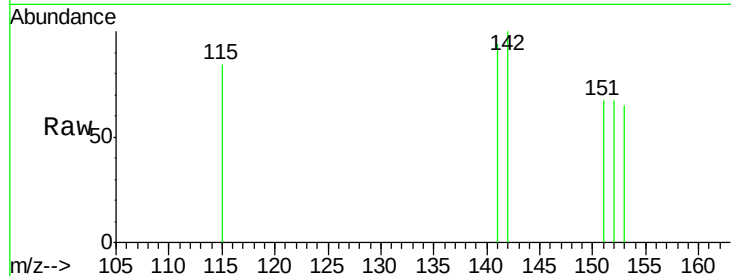
SBLK86

Tgt Ion:142 Resp: 34

Ion Ratio Lower Upper

142 100

141 114.7 65.4 98.0#



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

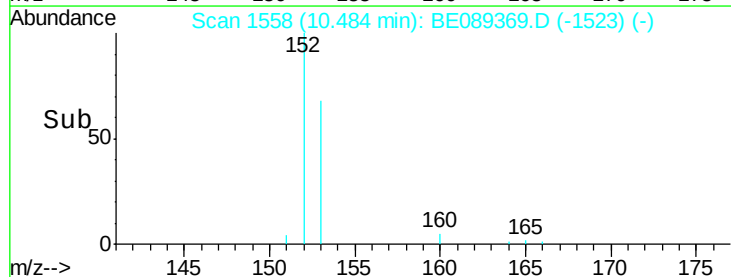
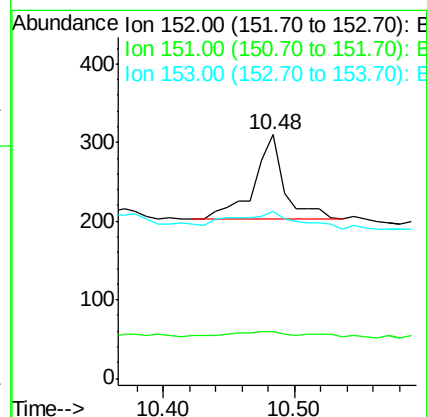
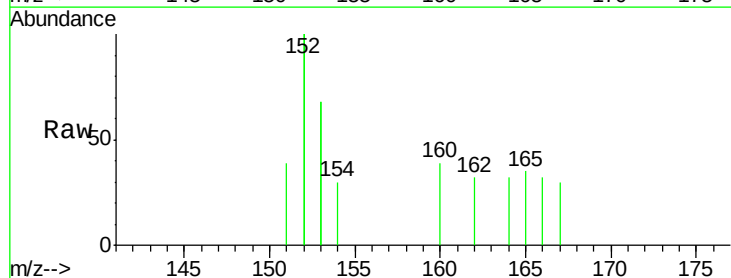
Tgt Ion:152 Resp: 176

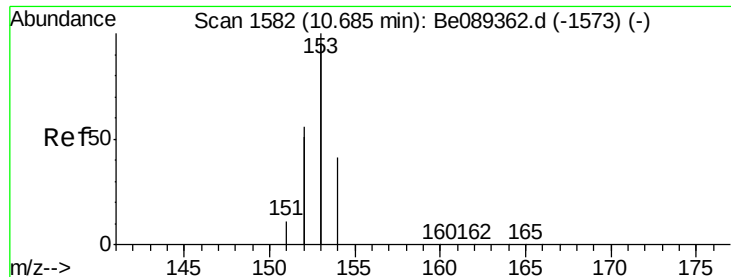
Ion Ratio Lower Upper

152 100

151 19.4 4.0 6.0#

153 68.4 10.1 15.1#





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 10.69 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampleId :

SBLK86

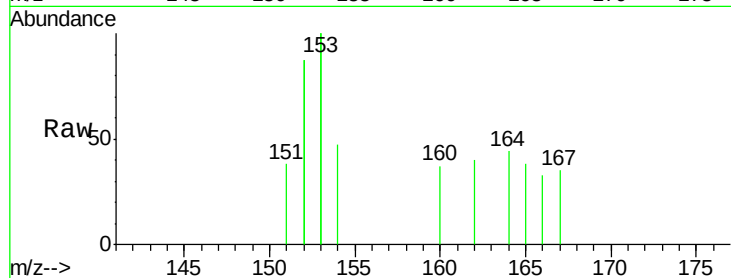
Tgt Ion:153 Resp: 153

Ion Ratio Lower Upper

153 100

152 86.7 32.6 49.0#

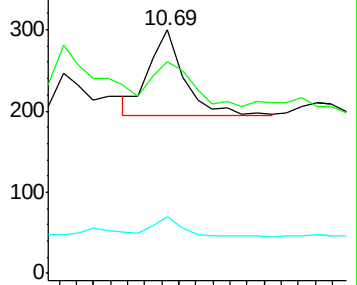
154 23.3 21.8 32.6



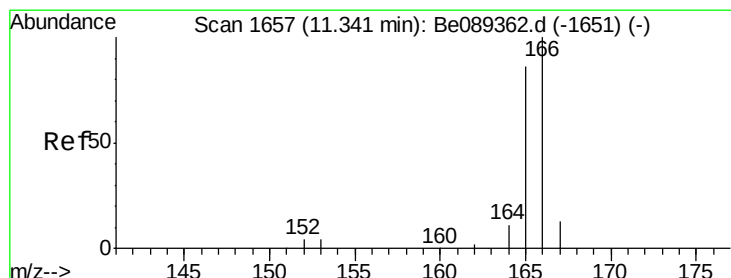
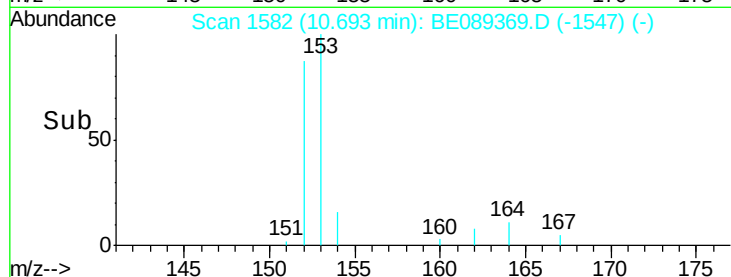
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

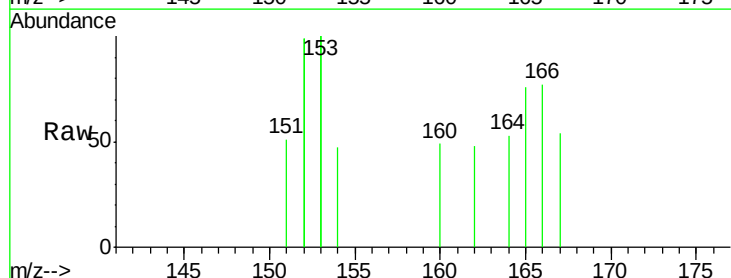
Tgt Ion:166 Resp: 47

Ion Ratio Lower Upper

166 100

165 98.6 70.3 105.5

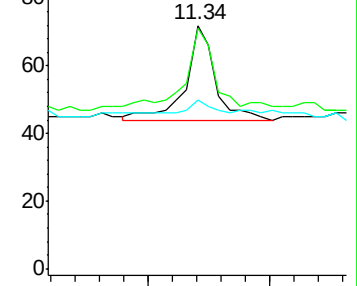
167 69.4 11.5 17.3#



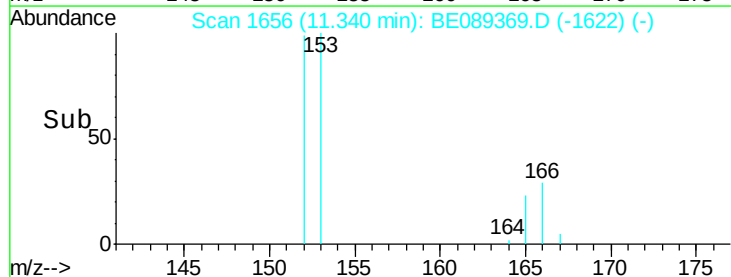
Abundance Ion 166.00 (165.70 to 166.70): E

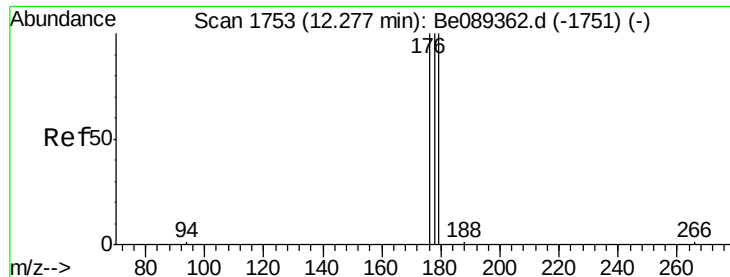
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#13

Pentachlorophenol

Concen: 1.18 ng/ul

RT: 12.03 min Scan# 1732

Delta R.T. -0.24 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampleId :

SBLK86

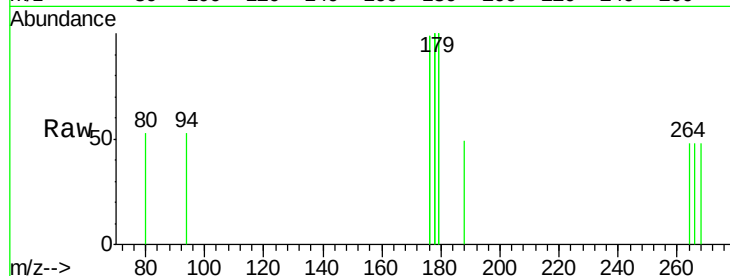
Tgt Ion: 266 Resp: 440

Ion Ratio Lower Upper

266 100

264 153.4 48.7 73.1#

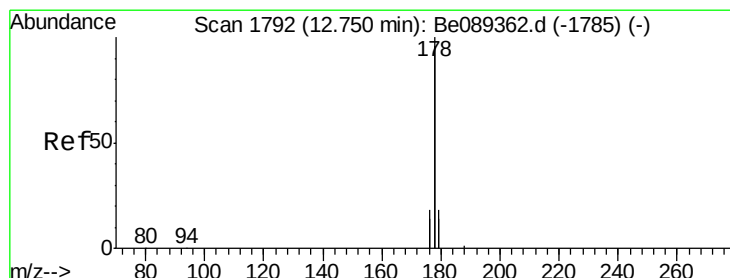
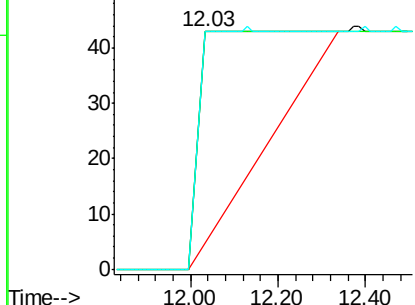
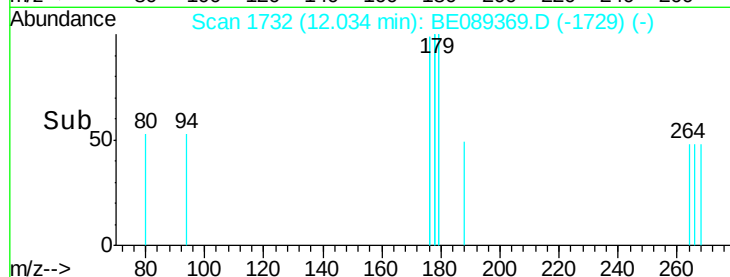
268 28.9 52.9 79.3#



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# 1791

Delta R.T. -0.00 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

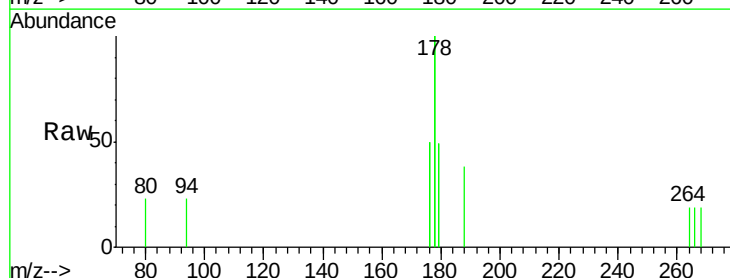
Tgt Ion: 178 Resp: 493

Ion Ratio Lower Upper

178 100

176 49.8 14.3 21.5#

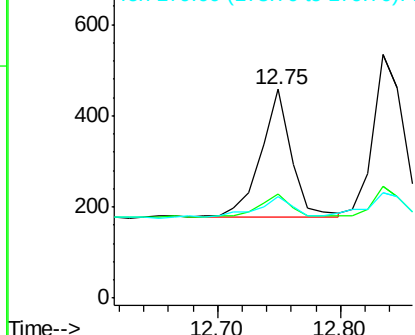
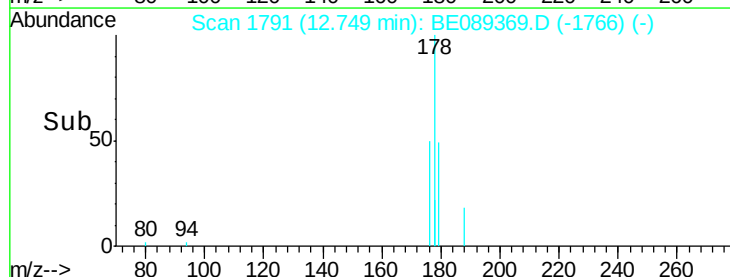
179 48.9 13.8 20.8#

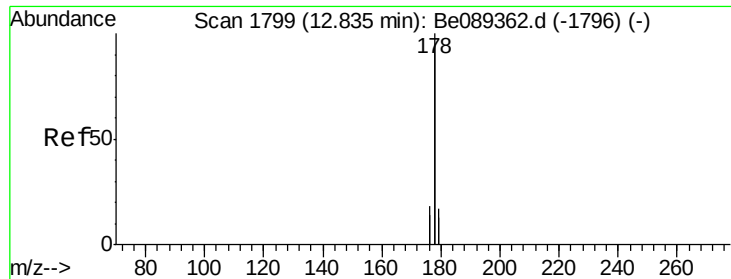


Abundance Ion 178.00 (177.70 to 178.70): E

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# 1798

Delta R.T. -0.00 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampleId :

SBLK86

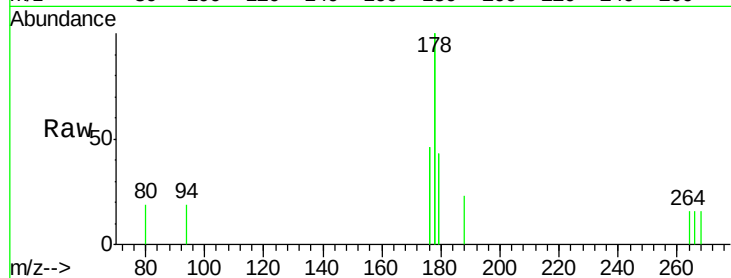
Tgt Ion:178 Resp: 632

Ion Ratio Lower Upper

178 100

176 46.1 14.7 22.1#

179 43.1 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

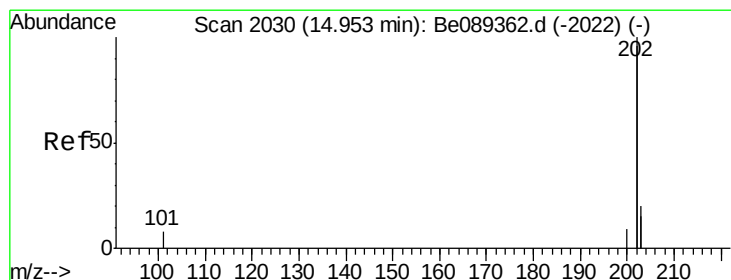
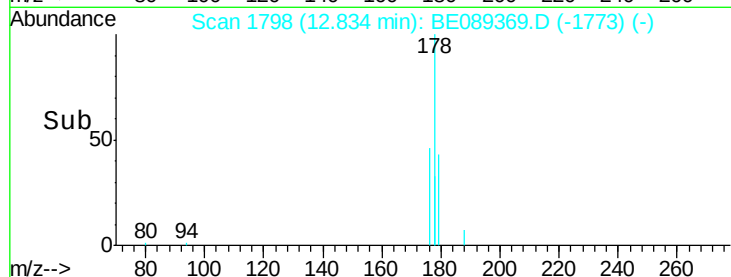
12.83

400

200

0

Time-->



#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 14.96 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

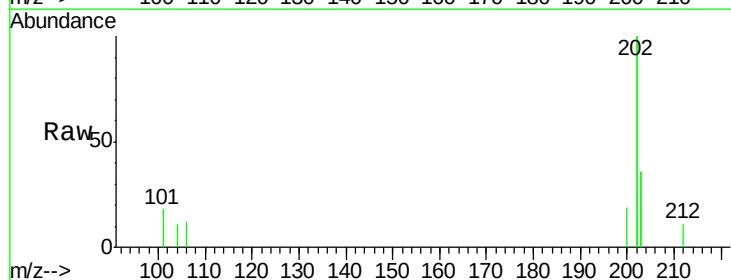
Tgt Ion:202 Resp: 1184

Ion Ratio Lower Upper

202 100

101 9.1 0.0 24.6

203 35.9 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

14.96

1000

800

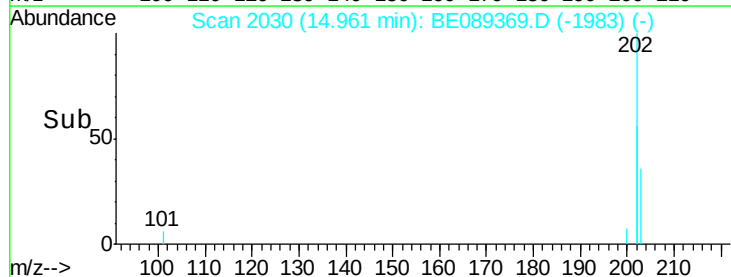
600

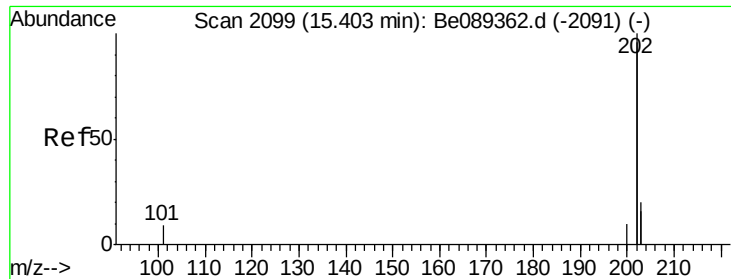
400

200

0

Time-->





#19

Pyrene

Concen: 0.04 ng/ul

RT: 15.40 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampled :

SBLK86

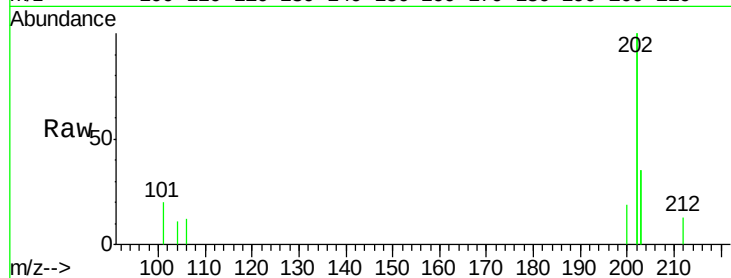
Tgt Ion:202 Resp: 1291

Ion Ratio Lower Upper

202 100

200 9.4 4.2 6.4#

203 34.9 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

15.40

800

600

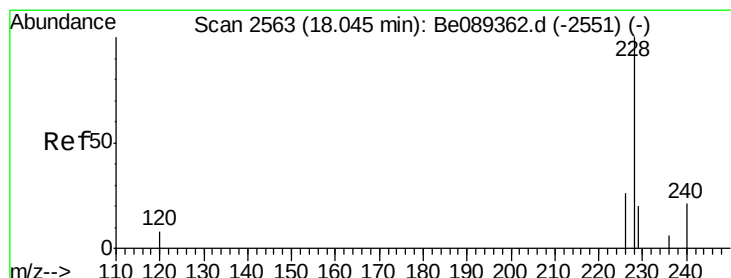
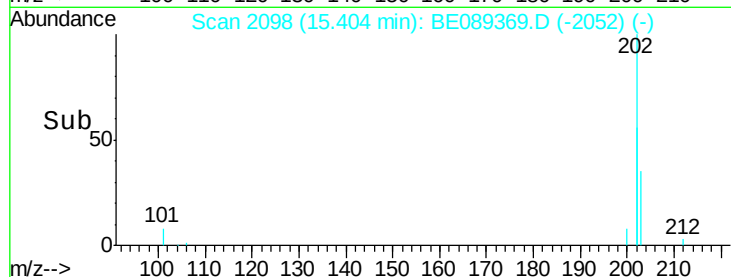
400

200

0

15.30 15.40 15.50

Time-->



#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

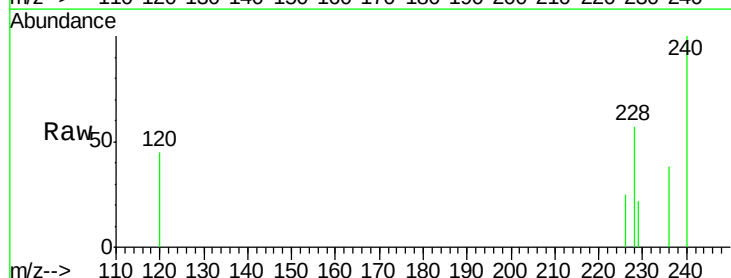
Tgt Ion:228 Resp: 308

Ion Ratio Lower Upper

228 100

226 43.2 21.9 32.9#

229 38.5 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

18.05

250

200

150

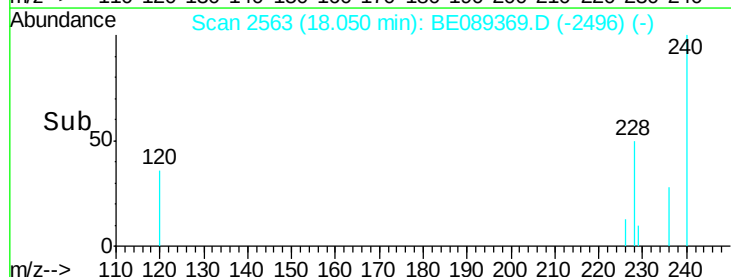
100

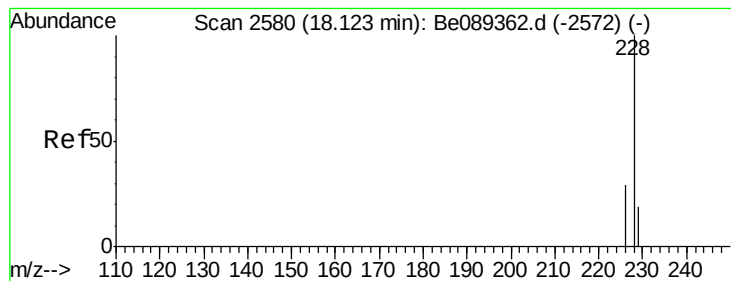
50

0

17.95 18.00 18.05 18.10

Time-->





#21

Chrysene

Concen: 0.05 ng/ul

RT: 18.13 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampleId :

SBLK86

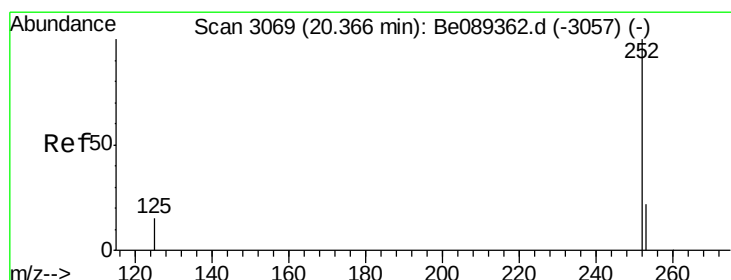
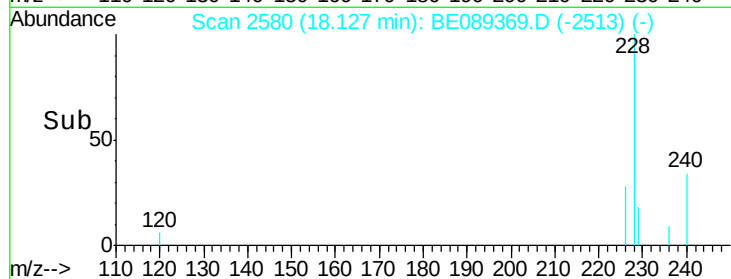
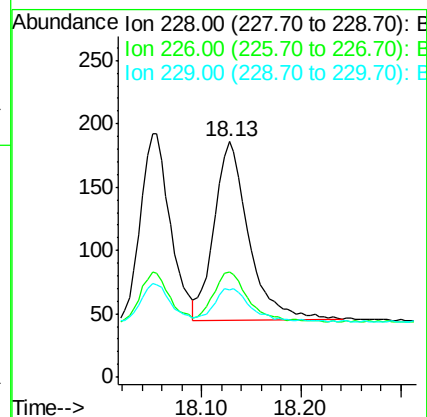
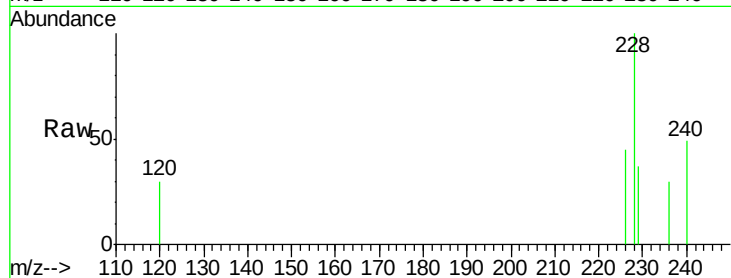
Tgt Ion:228 Resp: 338

Ion Ratio Lower Upper

228 100

226 44.6 23.9 35.9#

229 37.1 16.8 25.2#



#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 20.38 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

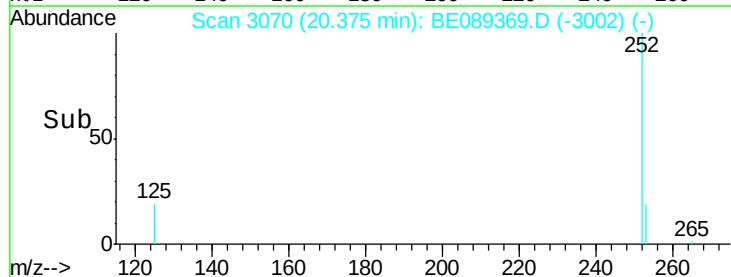
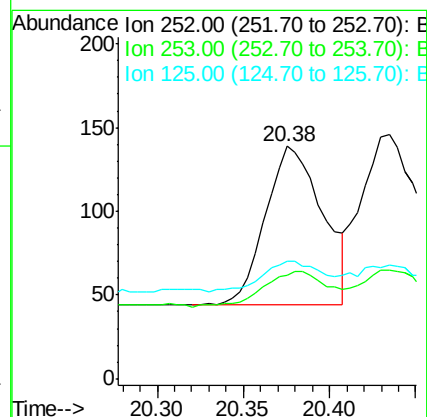
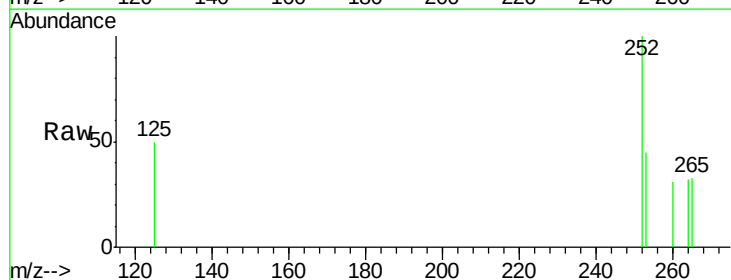
Tgt Ion:252 Resp: 219

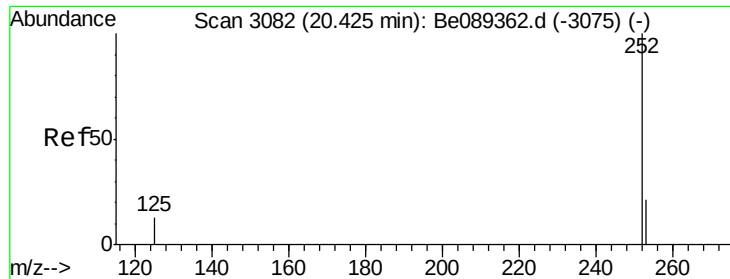
Ion Ratio Lower Upper

252 100

253 44.6 0.0 47.8

125 50.4 0.0 34.2#





#24

Benzo(k)fluoranthene

Concen: 0.04 ng/ul

RT: 20.43 min Scan# 3083

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampleId :

SBLK86

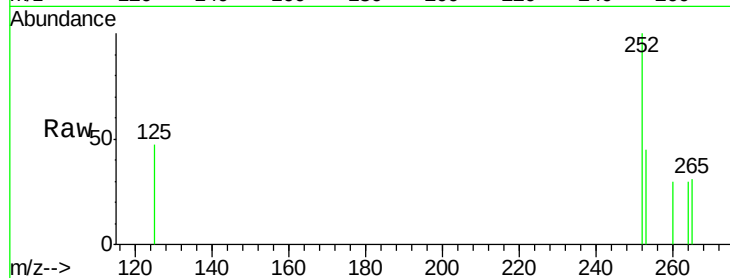
Tgt Ion:252 Resp: 298

Ion Ratio Lower Upper

252 100

253 44.5 19.0 28.6#

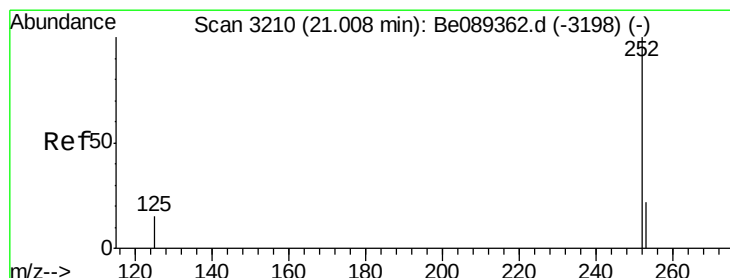
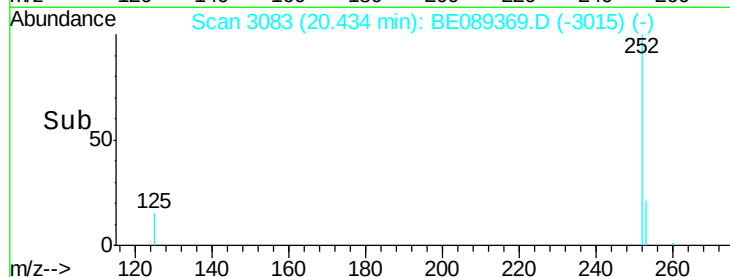
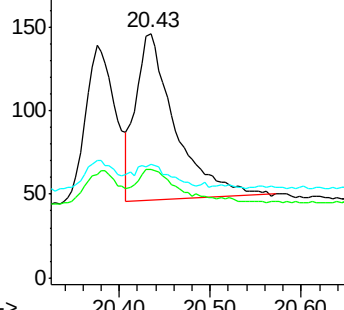
125 46.6 13.5 20.3#



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



#25

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

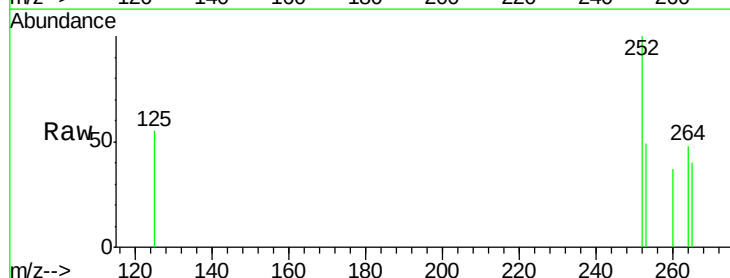
Tgt Ion:252 Resp: 224

Ion Ratio Lower Upper

252 100

253 48.8 19.7 29.5#

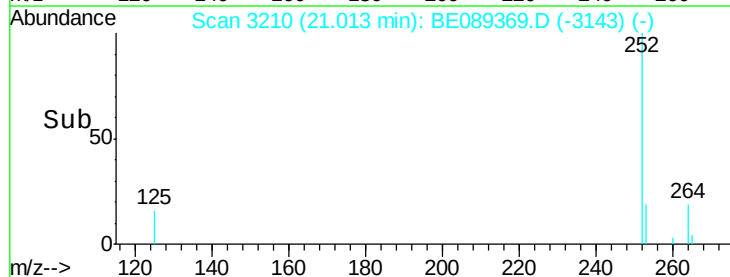
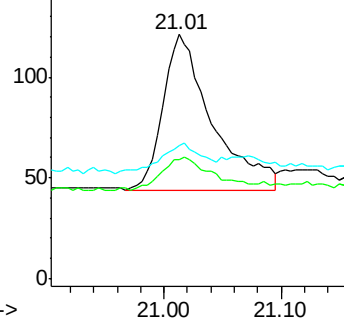
125 54.5 15.0 22.6#

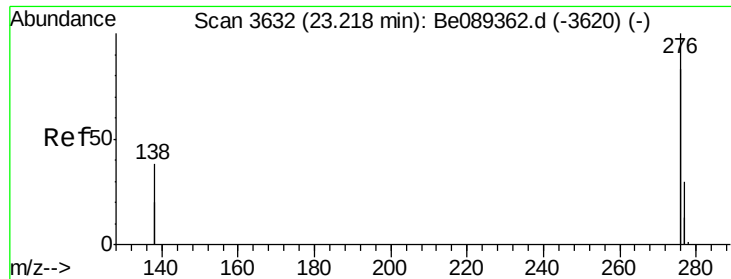


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 23.24 min Scan# 3634

Delta R.T. 0.03 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampleId :

SBLK86

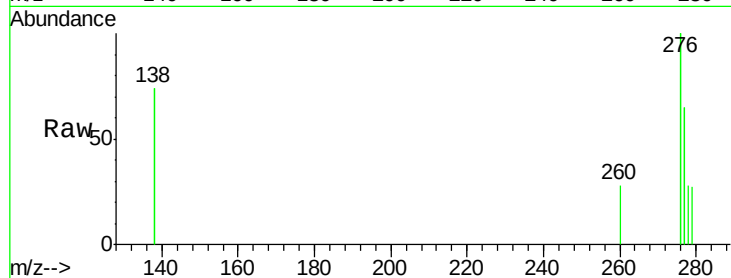
Tgt Ion:276 Resp: 1070

Ion Ratio Lower Upper

276 100

138 16.5 23.8 35.8#

277 14.2 18.9 28.3#



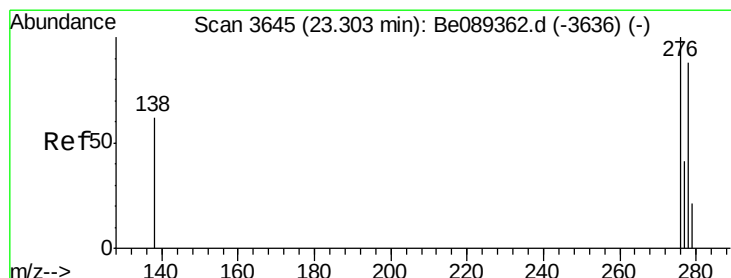
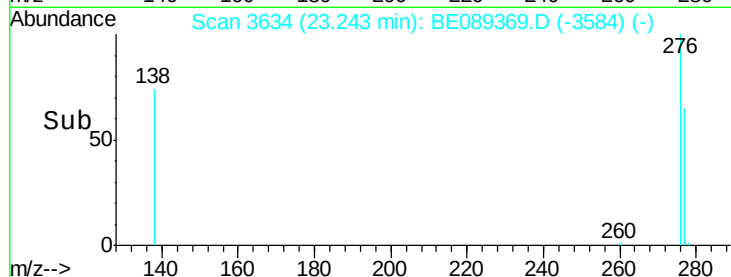
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

23.24

Time--> 23.00 23.20 23.40 23.60



#27

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 23.31 min Scan# 3645

Delta R.T. 0.01 min

Lab File: BE089369.D

Acq: 8 Jan 2015 17:08

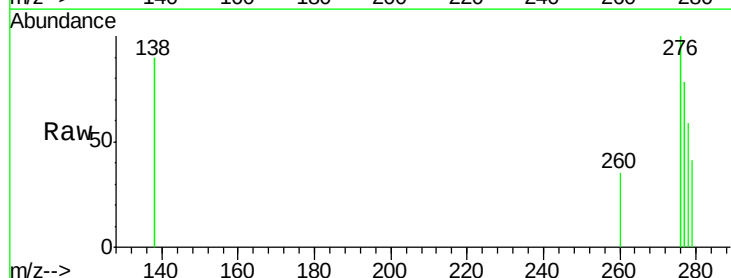
Tgt Ion:278 Resp: 194

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

279 69.9 24.0 36.0#



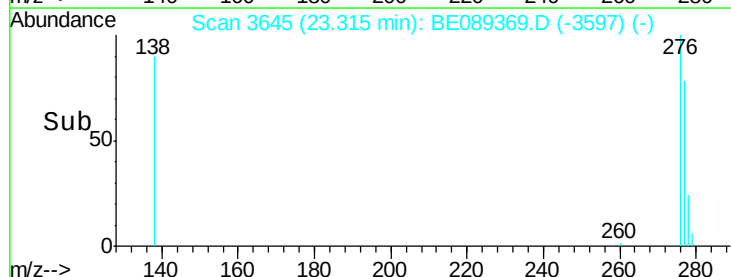
Abundance Ion 278.00 (277.70 to 278.70): E

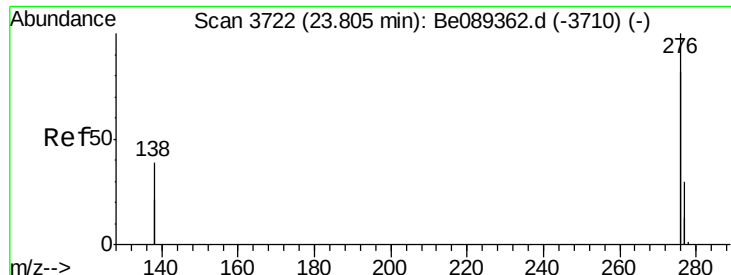
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

23.31

Time--> 23.20 23.40 23.60





#28

Benzo(g,h,i)perylene

Concen: 0.05 ng/ul

RT: 23.83 min Scan# 3724

Delta R.T. 0.03 min

Lab File: BE089369.D

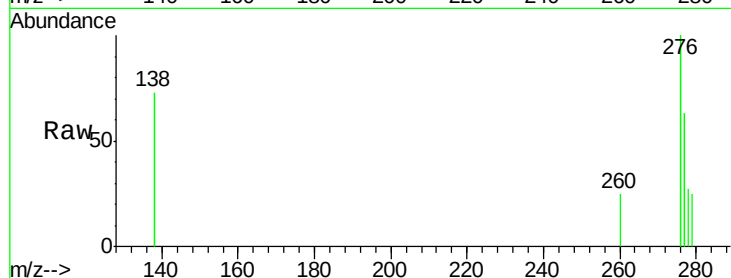
Acq: 8 Jan 2015 17:08

Instrument :

BNA_E

ClientSampleId :

SBLK86



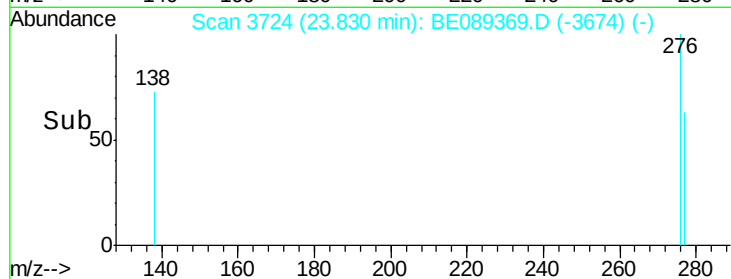
Tgt Ion: 276 Resp: 999

Ion Ratio Lower Upper

276 100

277 63.0 22.3 33.5#

138 72.8 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

