

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : BE089375.D
 Acq On : 8 Jan 2015 20:28
 Operator : TP/IZ
 Sample : F5245-20RX
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RC5

Quant Time: Jan 09 03:09:10 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	1182	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4661	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2473	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3725	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2573	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2236	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	488	0.27	ng/uL	0.00
6) 2-Methylnaphthalene-d10	9.16	152	23	0.00	ng/ul	-0.19
16) Fluoranthene-d10	14.91	212	1	0.00	ng/ul	0.00

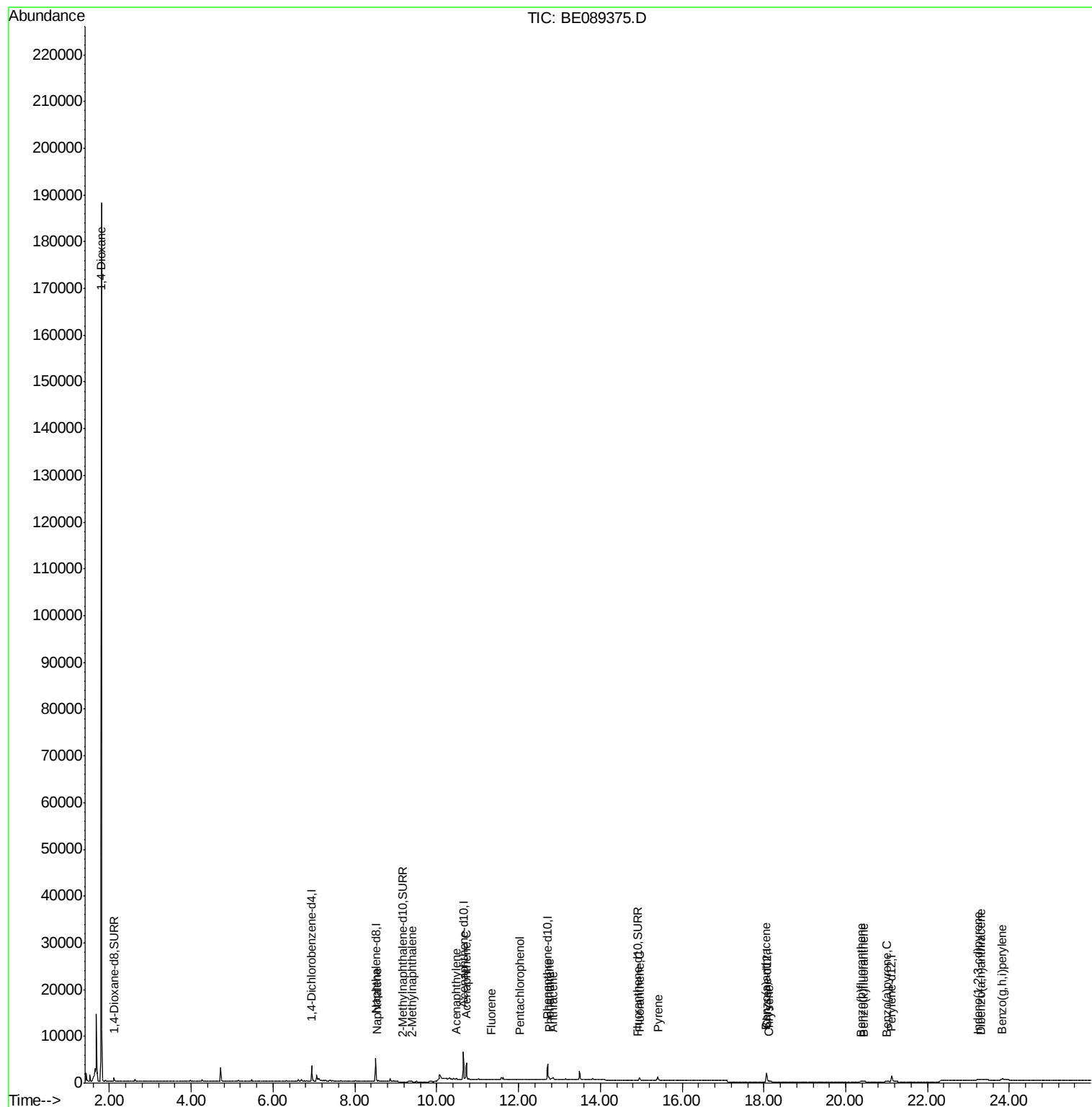
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	1.80	88	5629	2.84	ng/ul#	1
5) Naphthalene	8.53	128	323	0.03	ng/ul#	67
7) 2-Methylnaphthalene	9.39	142	94	0.01	ng/ul	82
9) Acenaphthylene	10.48	152	223	0.01	ng/ul#	1
10) Acenaphthene	10.73	153	4179	0.16	ng/ul#	49
11) Fluorene	11.34	166	50	0.01	ng/ul#	71
13) Pentachlorophenol	12.03	266	594	1.54	ng/ul#	60
14) Phenanthrene	12.75	178	482	0.01	ng/ul#	29
15) Anthracene	12.83	178	574	0.02	ng/ul#	37
17) Fluoranthene	14.96	202	1042	0.03	ng/ul#	60
19) Pyrene	15.40	202	1133	0.03	ng/ul#	64
20) Benzo(a)anthracene	18.05	228	274	0.05	ng/ul#	67
21) Chrysene	18.12	228	299	0.04	ng/ul#	64
23) Benzo(b)fluoranthene	20.37	252	199	0.03	ng/ul#	35
24) Benzo(k)fluoranthene	20.43	252	298	0.04	ng/ul#	42
25) Benzo(a)pyrene	21.01	252	196	0.03	ng/ul#	29
26) Indeno(1,2,3-cd)pyrene	23.24	276	487	0.03	ng/ul	97
27) Dibenzo(a,h)anthracene	23.31	278	168	0.04	ng/ul#	24
28) Benzo(g,h,i)perylene	23.82	276	847	0.04	ng/ul#	35

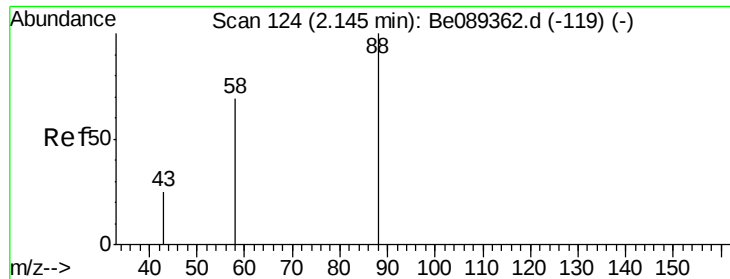
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.84 ng/ul

RT: 1.80 min Scan# 67

Delta R.T. -0.34 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5

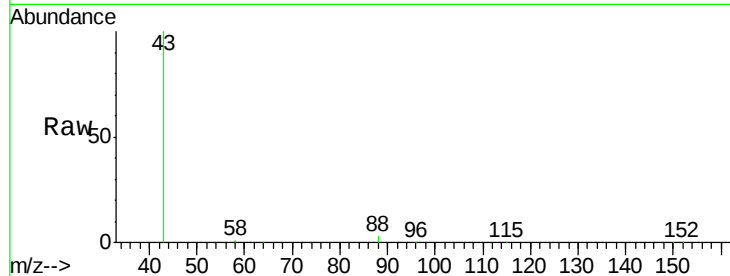
Tgt Ion: 88 Resp: 5629

Ion Ratio Lower Upper

88 100

58 29.3 61.5 92.3#

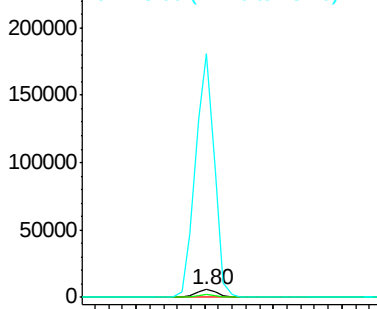
43 3036.1 23.9 35.9#



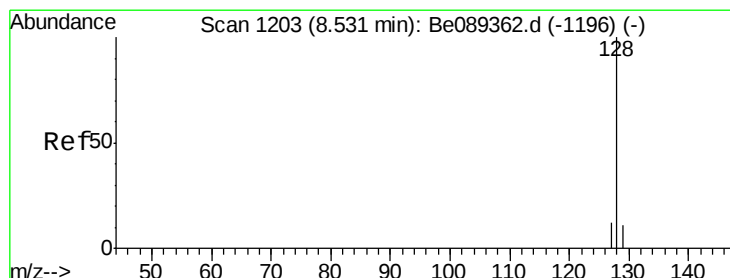
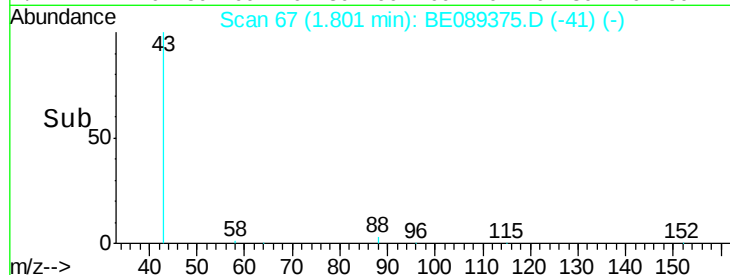
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

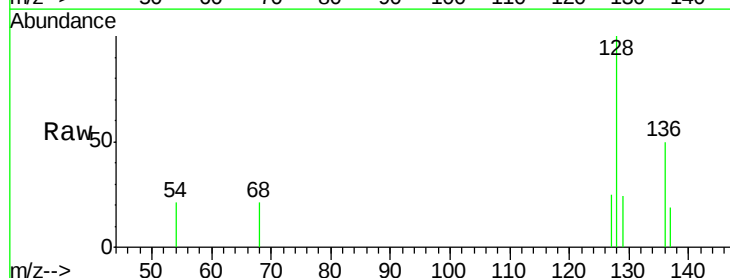
Tgt Ion: 128 Resp: 323

Ion Ratio Lower Upper

128 100

129 24.4 9.1 13.7#

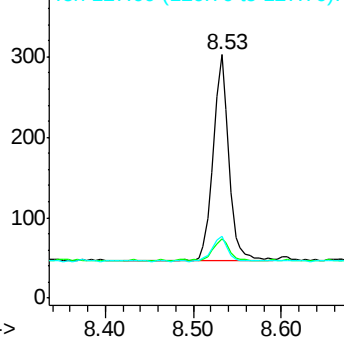
127 25.4 10.0 15.0#



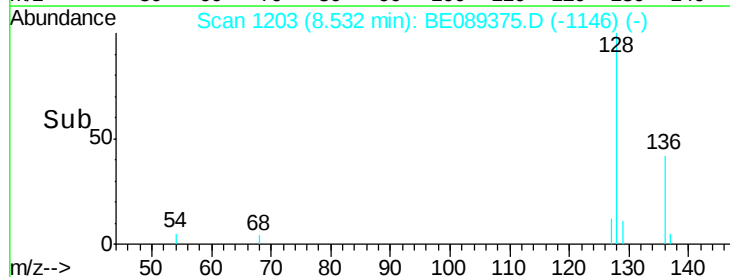
Abundance Ion 128.00 (127.70 to 128.70): E

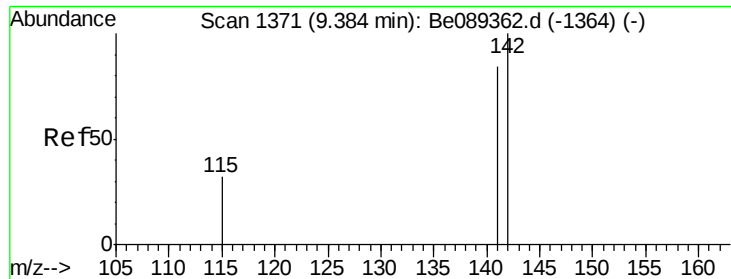
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

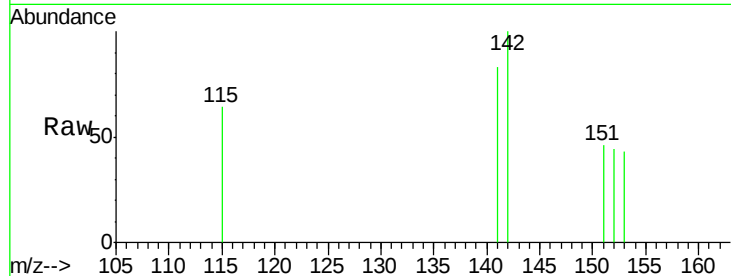
Y9RC5

Tgt Ion:142 Resp: 94

Ion Ratio Lower Upper

142 100

141 66.0 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

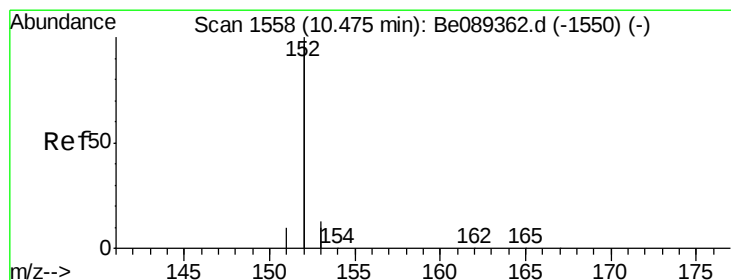
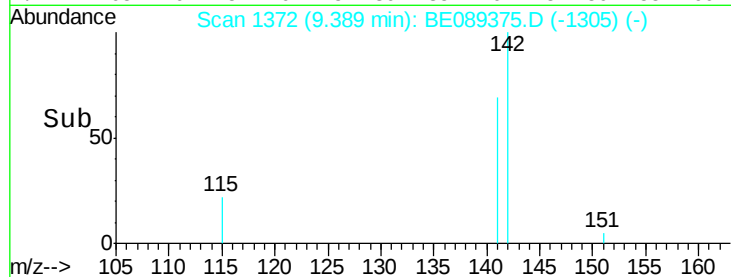
9.39

100

50

0

Time--> 9.35 9.40 9.45



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

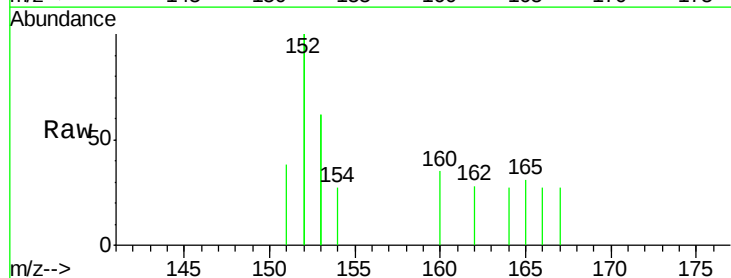
Tgt Ion:152 Resp: 223

Ion Ratio Lower Upper

152 100

151 18.8 4.0 6.0#

153 61.9 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

400

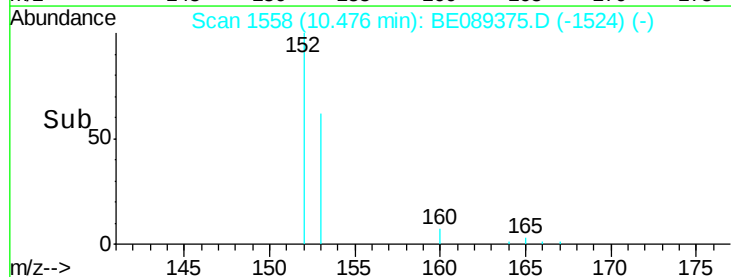
300

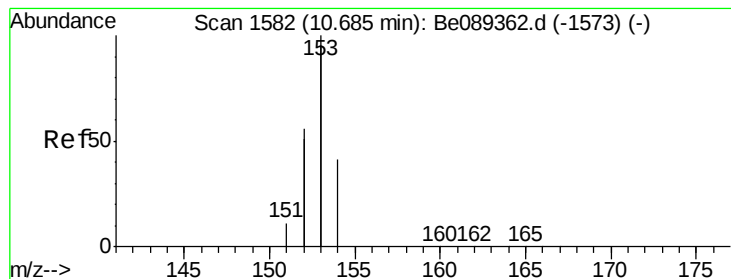
200

100

0

Time--> 10.40 10.50 10.60





#10

Acenaphthene

Concen: 0.16 ng/ul

RT: 10.73 min Scan# 1587

Delta R.T. 0.04 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5

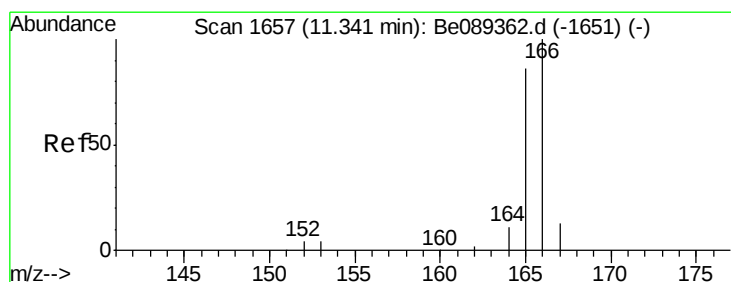
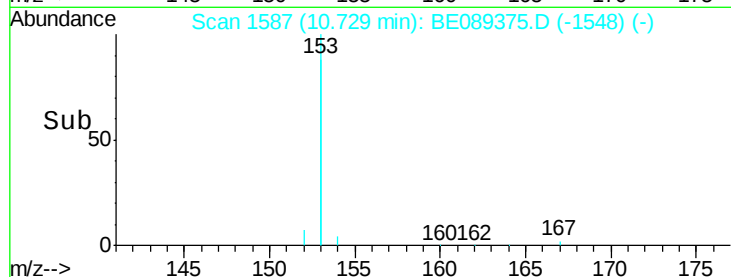
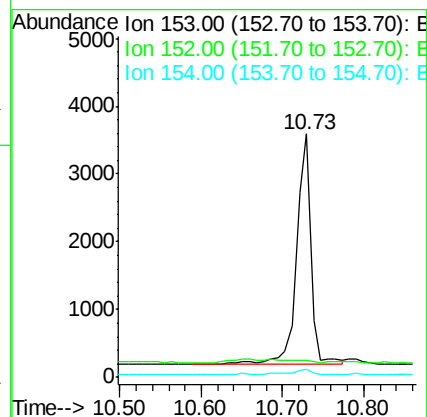
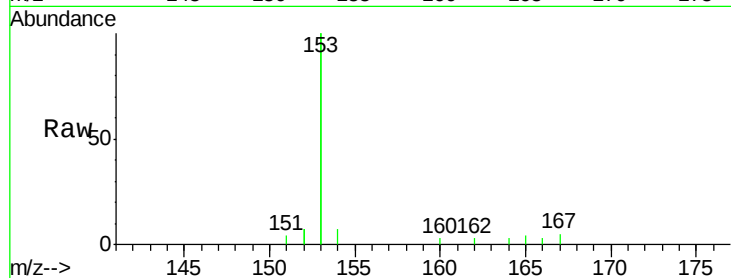
Tgt Ion:153 Resp: 4179

Ion Ratio Lower Upper

153 100

152 7.0 32.6 49.0#

154 3.5 21.8 32.6#



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

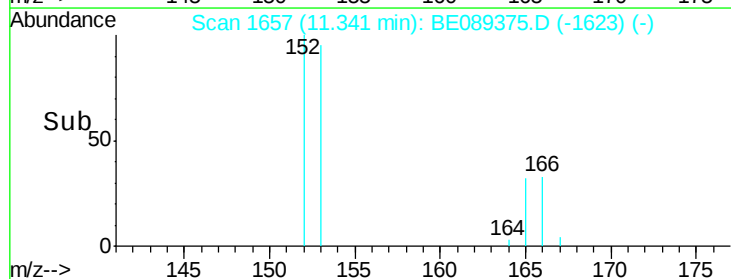
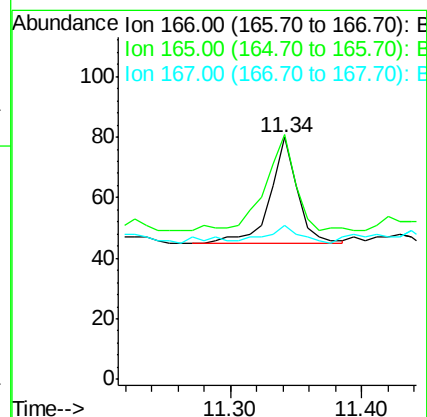
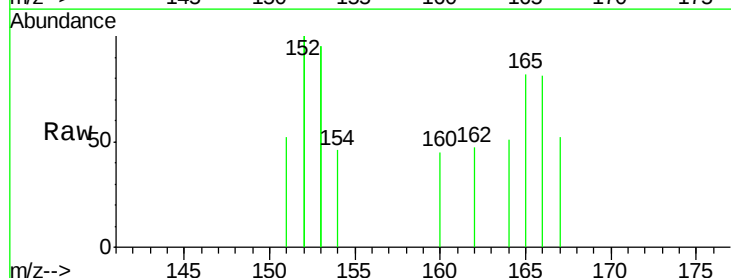
Tgt Ion:166 Resp: 50

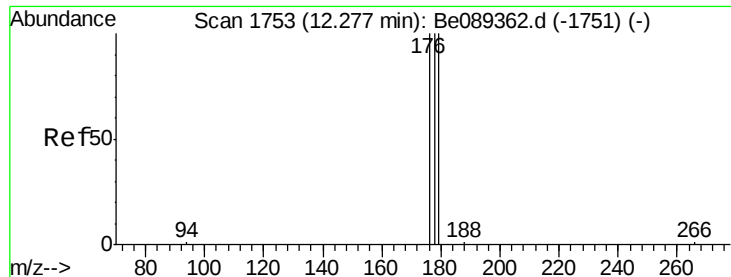
Ion Ratio Lower Upper

166 100

165 101.3 70.3 105.5

167 63.7 11.5 17.3#





#13

Pentachlorophenol

Concen: 1.54 ng/ul

RT: 12.03 min Scan# 1733

Delta R.T. -0.24 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5

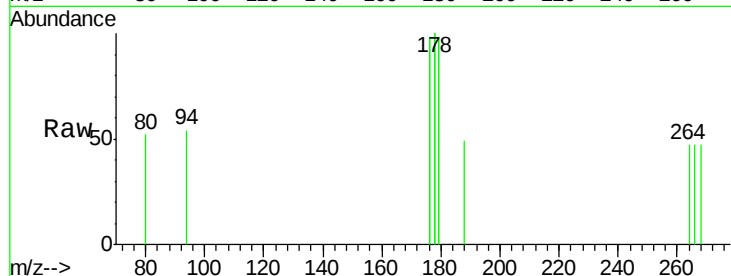
Tgt Ion:266 Resp: 594

Ion Ratio Lower Upper

266 100

264 113.3 48.7 73.1#

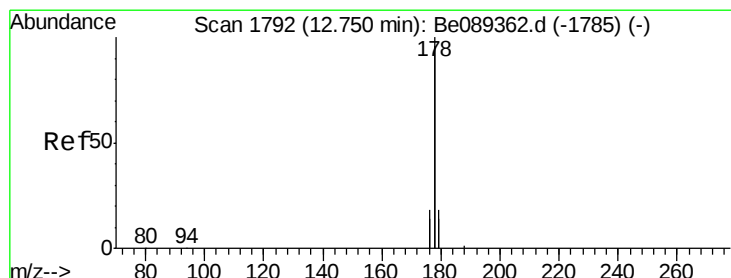
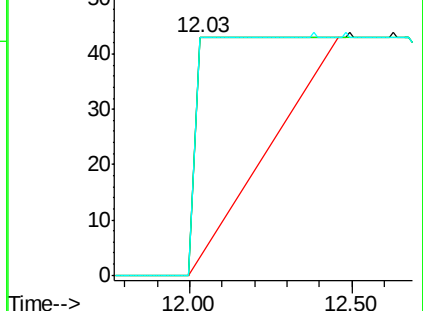
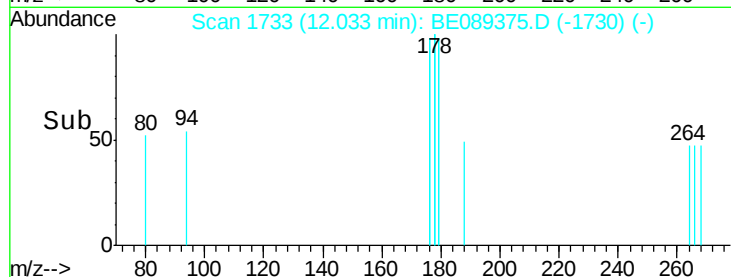
268 76.4 52.9 79.3



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: BE089375.D

Acq: 8 Jan 2015 20:28

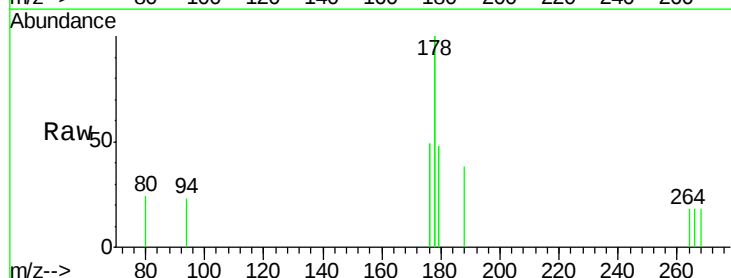
Tgt Ion:178 Resp: 482

Ion Ratio Lower Upper

178 100

176 49.1 14.3 21.5#

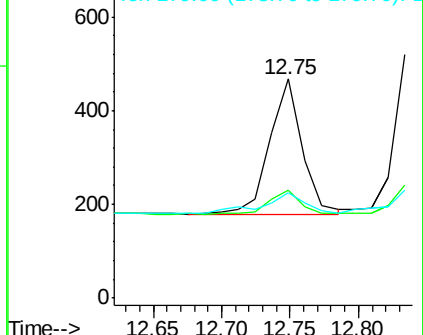
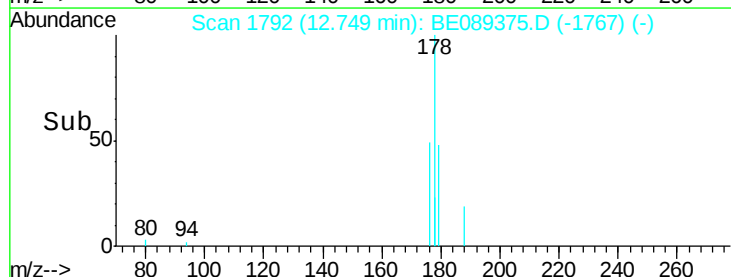
179 48.3 13.8 20.8#

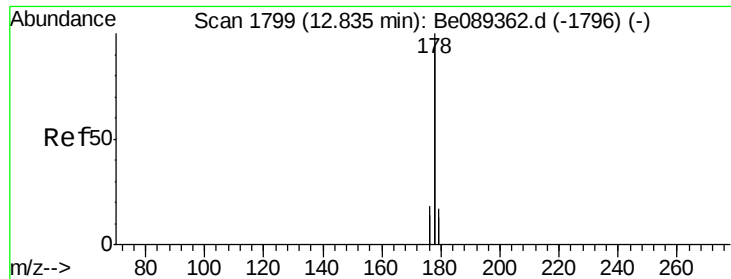


Abundance Ion 178.00 (177.70 to 178.70): E

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: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5

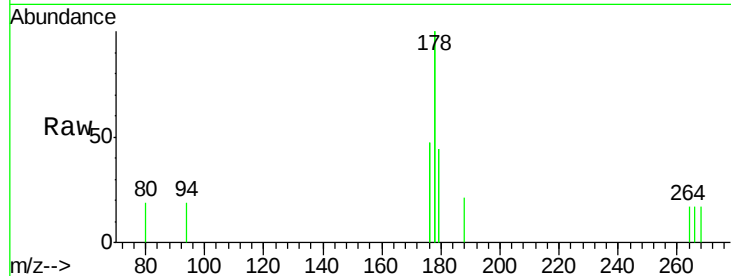
Tgt Ion:178 Resp: 574

Ion Ratio Lower Upper

178 100

176 46.5 14.7 22.1#

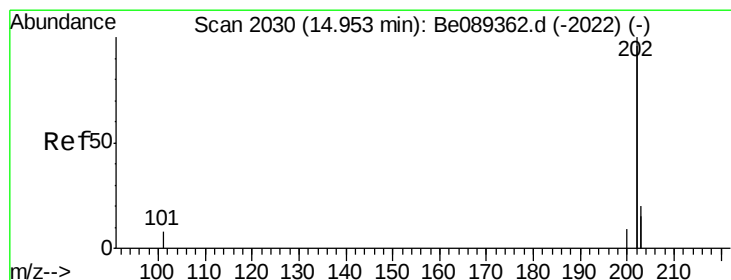
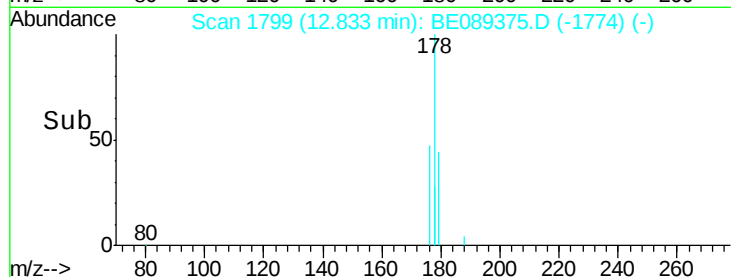
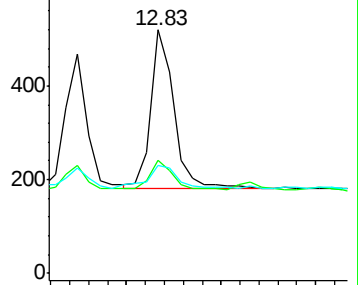
179 44.2 13.4 20.2#



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



#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

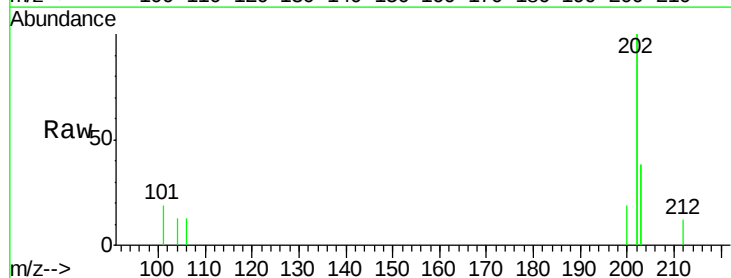
Tgt Ion:202 Resp: 1042

Ion Ratio Lower Upper

202 100

101 9.7 0.0 24.6

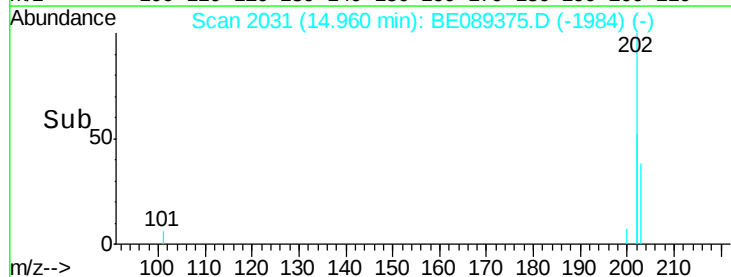
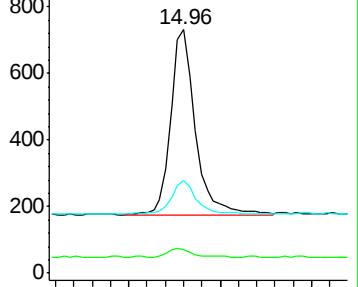
203 38.3 0.0 37.8#

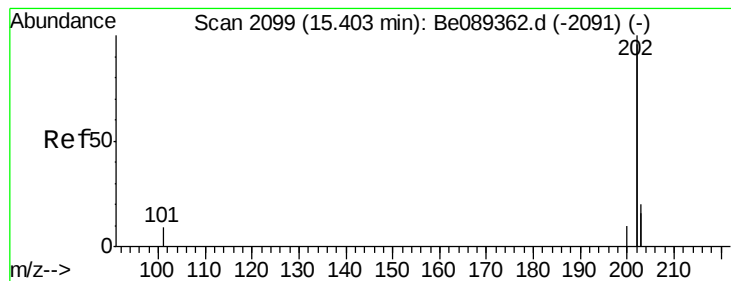


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.03 ng/u1

RT: 15.40 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5

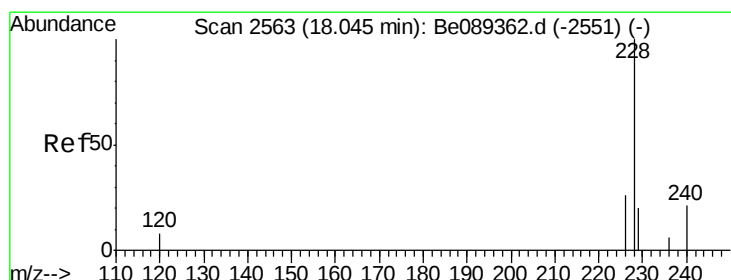
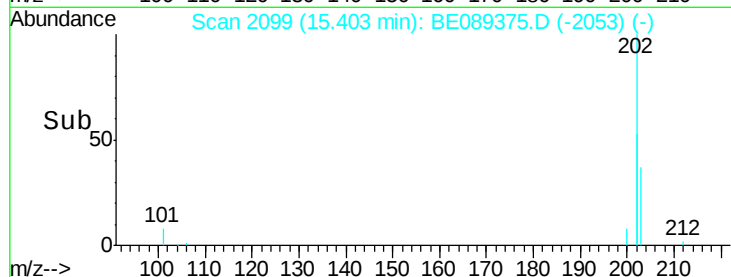
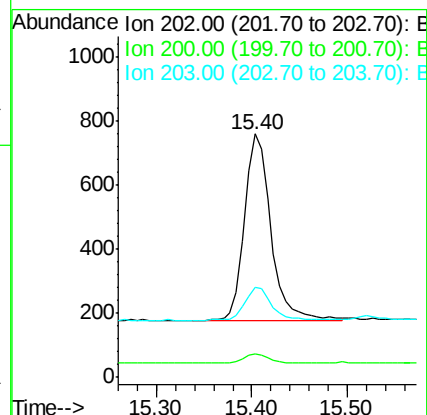
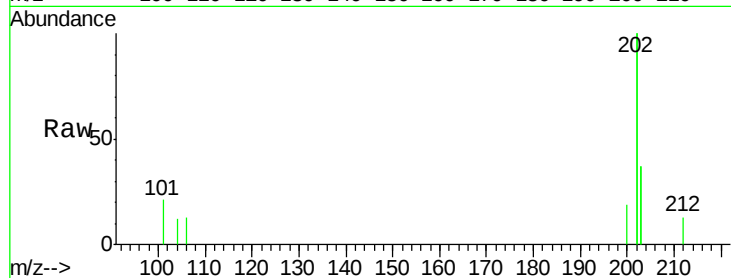
Tgt Ion:202 Resp: 1133

Ion Ratio Lower Upper

202 100

200 9.6 4.2 6.4#

203 37.1 14.4 21.6#



#20

Benzo(a)anthracene

Concen: 0.05 ng/u1

RT: 18.05 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

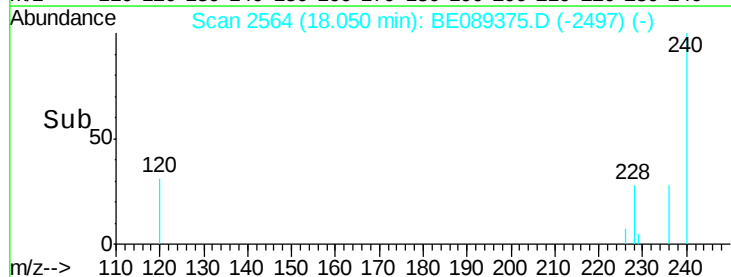
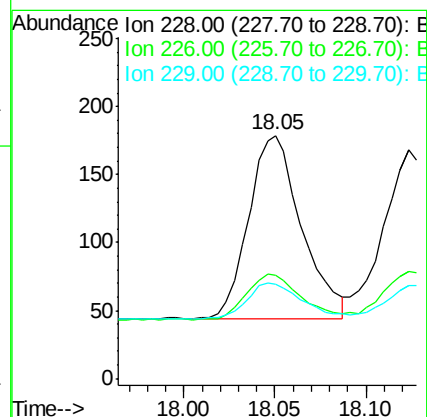
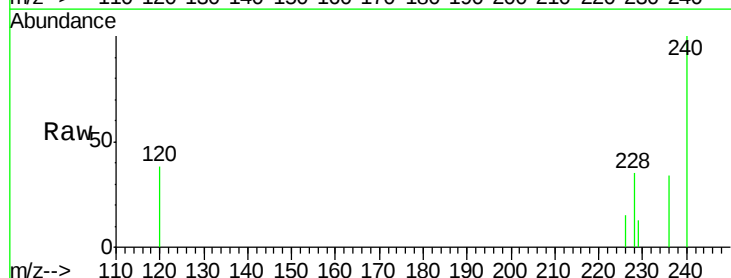
Tgt Ion:228 Resp: 274

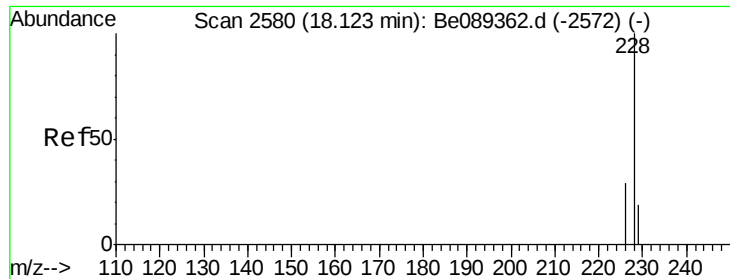
Ion Ratio Lower Upper

228 100

226 42.5 21.9 32.9#

229 38.5 16.9 25.3#





#21

Chrysene

Concen: 0.04 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5

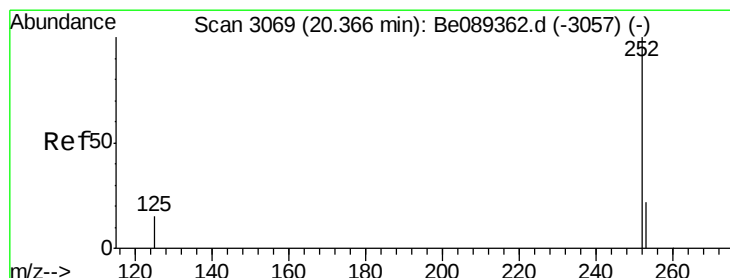
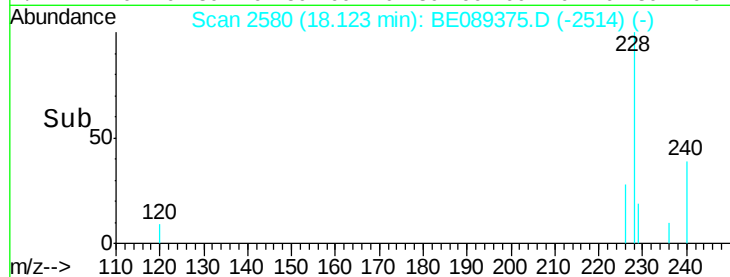
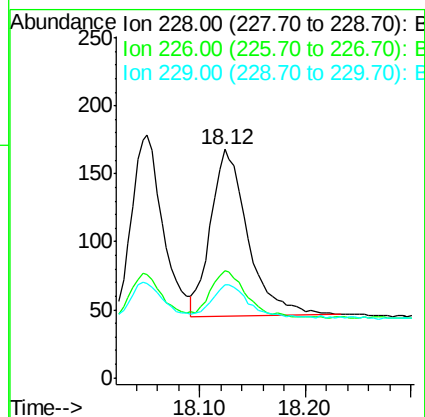
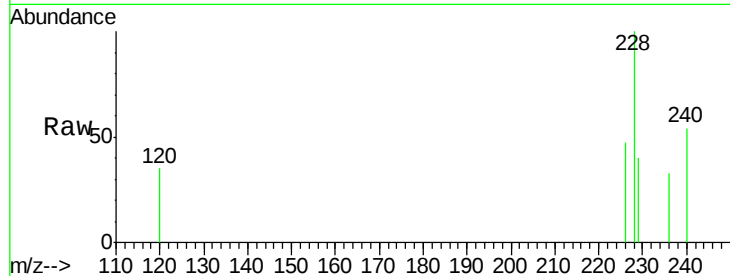
Tgt Ion:228 Resp: 299

Ion Ratio Lower Upper

228 100

226 47.0 23.9 35.9#

229 40.5 16.8 25.2#



#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 20.37 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

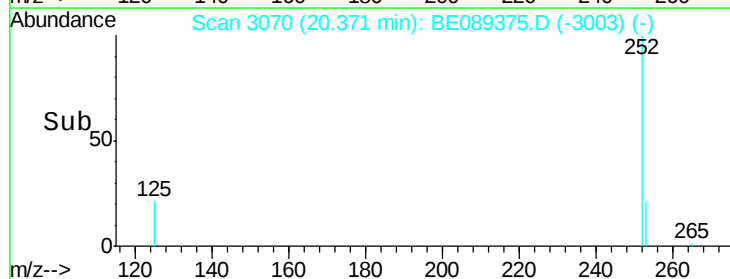
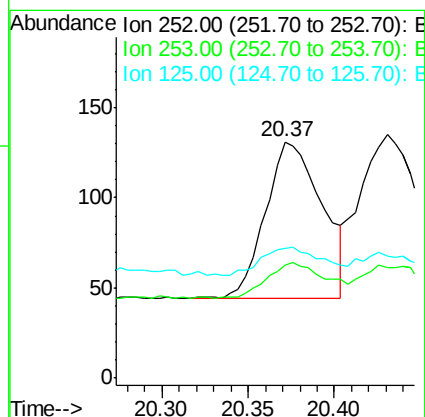
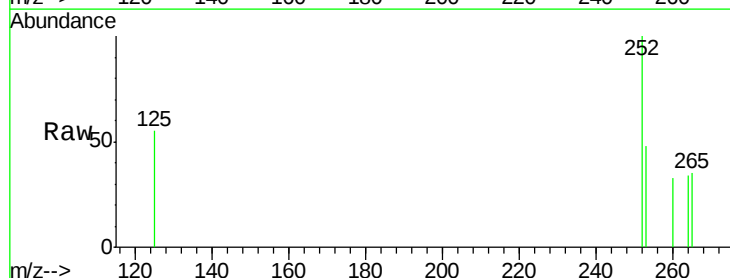
Tgt Ion:252 Resp: 199

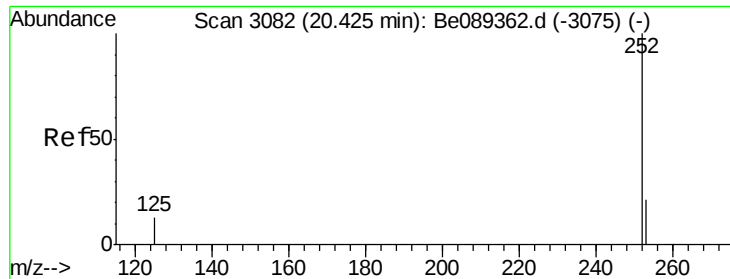
Ion Ratio Lower Upper

252 100

253 48.1 0.0 47.8#

125 55.0 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: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5

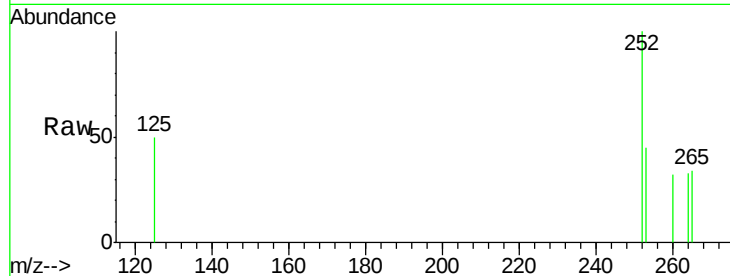
Tgt Ion:252 Resp: 298

Ion Ratio Lower Upper

252 100

253 45.2 19.0 28.6#

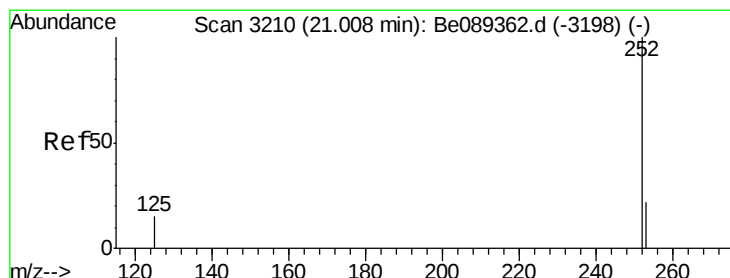
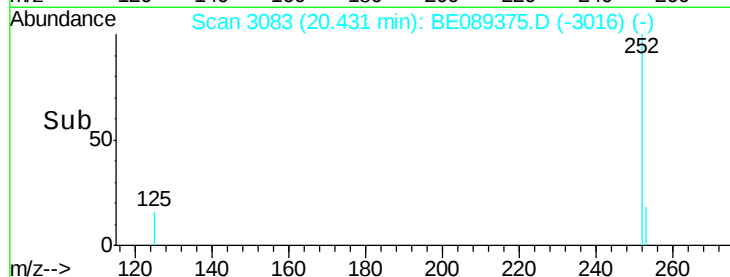
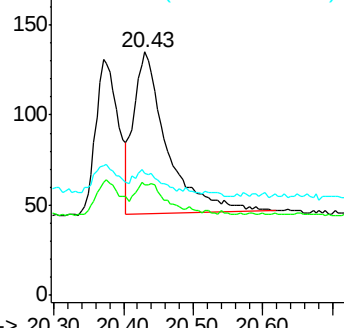
125 50.4 13.5 20.3#



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: 0.03 ng/ul

RT: 21.01 min Scan# 3211

Delta R.T. 0.01 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

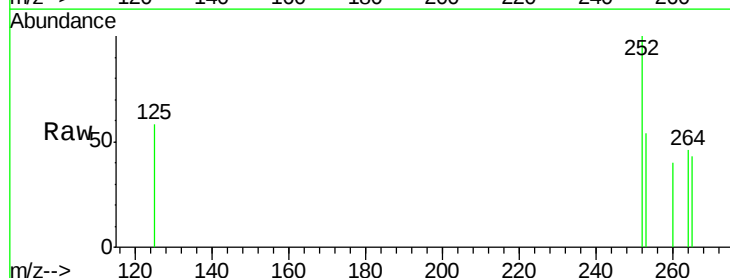
Tgt Ion:252 Resp: 196

Ion Ratio Lower Upper

252 100

253 53.6 19.7 29.5#

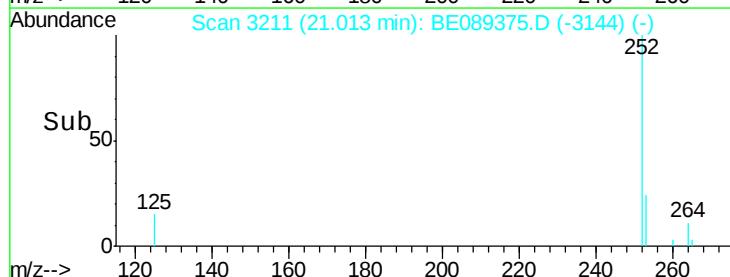
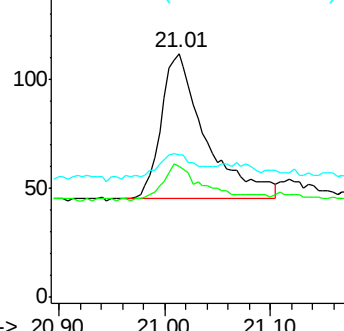
125 58.0 15.0 22.6#

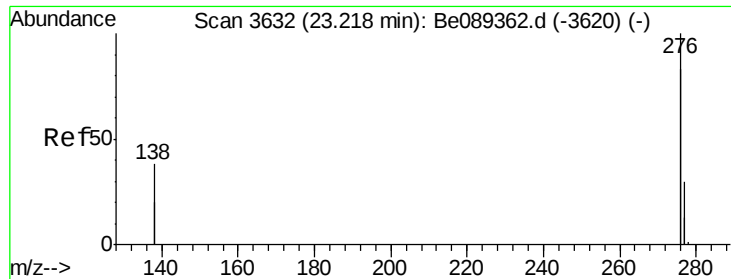


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.03 ng/ul

RT: 23.24 min Scan# 3634

Delta R.T. 0.02 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5

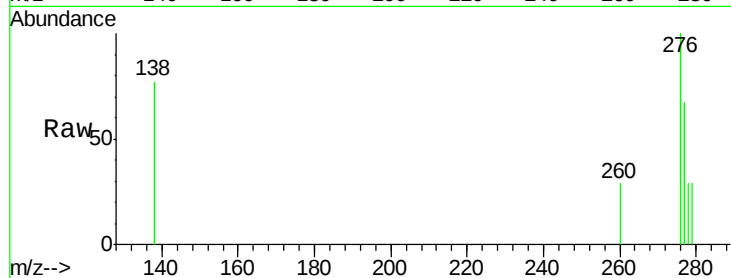
Tgt Ion:276 Resp: 487

Ion Ratio Lower Upper

276 100

138 30.8 23.8 35.8

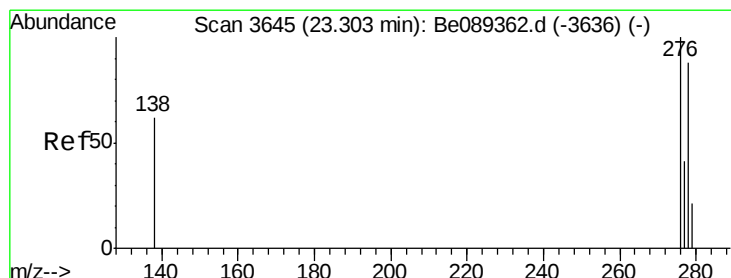
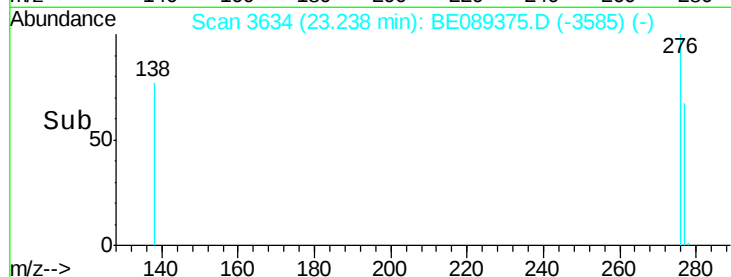
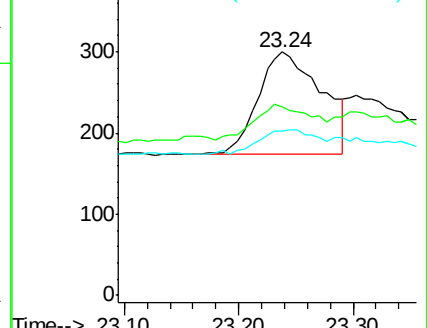
277 21.1 18.9 28.3



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



#27

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 23.31 min Scan# 3645

Delta R.T. 0.01 min

Lab File: BE089375.D

Acq: 8 Jan 2015 20:28

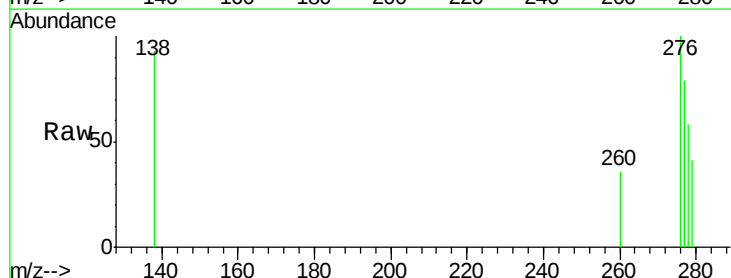
Tgt Ion:278 Resp: 168

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

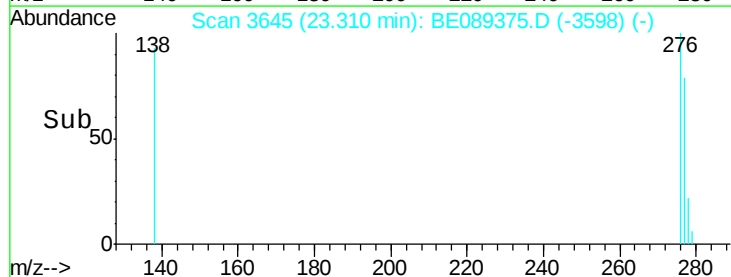
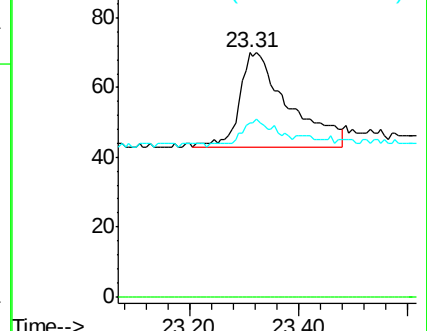
279 71.4 24.0 36.0#

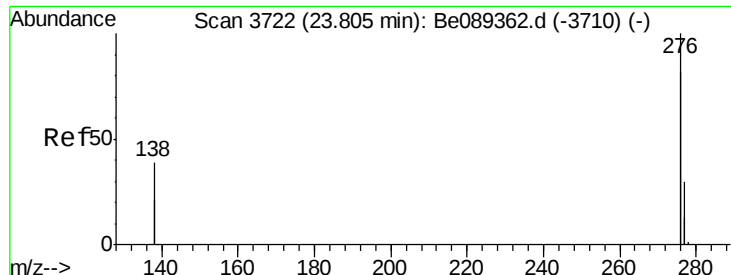


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.04 ng/ul

RT: 23.82 min Scan# 3724

Delta R.T. 0.02 min

Lab File: BE089375.D

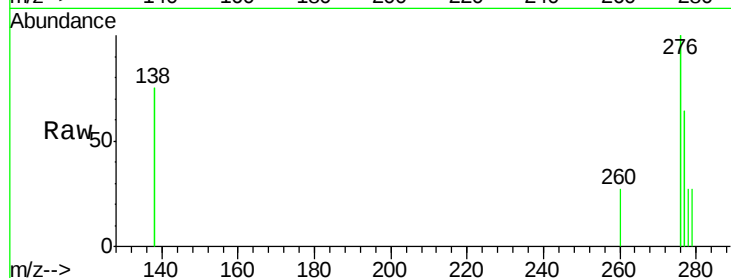
Acq: 8 Jan 2015 20:28

Instrument :

BNA_E

ClientSampleId :

Y9RC5



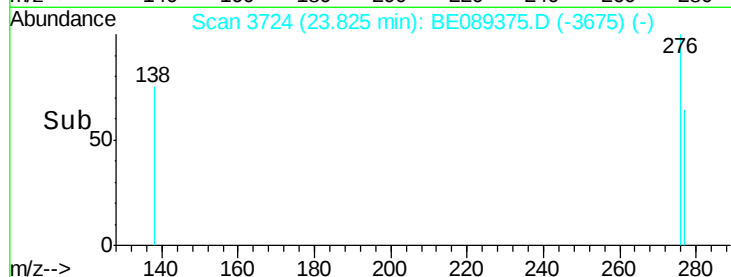
Tgt Ion: 276 Resp: 847

Ion Ratio Lower Upper

276 100

277 63.6 22.3 33.5#

138 75.2 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

