

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010915\
 Data File : BE089383.D
 Acq On : 9 Jan 2015 14:35
 Operator : TP/IZ
 Sample : G1029-04RX
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

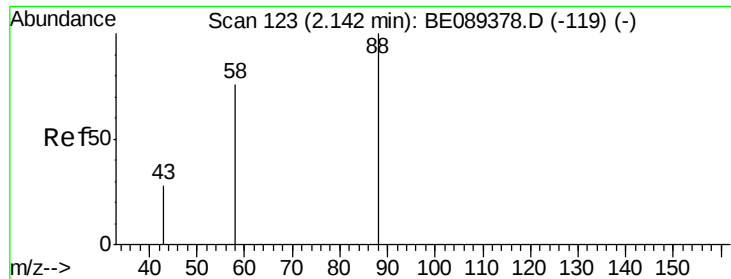
Instrument :
 BNA_E
 ClientSampleId :
 Y9RA6RX

Quant Time: Jan 09 23:52:58 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 23:27:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1294	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	5218	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2637	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	4028	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2753	0.40	ng/ul	0.00
22) Perylene-d12	21.13	264	2281	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.12	96	453	0.23	ng/uL	0.01
6) 2-Methylnaphthalene-d10	9.07	152	85	0.01	ng/ul	0.00
16) Fluoranthene-d10	14.91	212	1	0.00	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	1.81	88	5977	2.76	ng/ul#	1
5) Naphthalene	8.54	128	127	0.01	ng/ul#	24
7) 2-Methylnaphthalene	9.39	142	48	0.01	ng/ul	95
9) Acenaphthylene	10.48	152	229	0.01	ng/ul#	1
10) Acenaphthene	10.69	153	108	0.00	ng/ul#	43
11) Fluorene	11.34	166	65	0.01	ng/ul#	68
13) Pentachlorophenol	12.36	266	3	0.01	ng/ul#	39
14) Phenanthrene	12.75	178	1033	0.02	ng/ul#	50
15) Anthracene	12.83	178	1241	0.03	ng/ul#	63
17) Fluoranthene	14.96	202	2027	0.05	ng/ul	75
19) Pyrene	15.41	202	2108	0.06	ng/ul#	77
20) Benzo(a)anthracene	18.05	228	488	0.08	ng/ul#	79
21) Chrysene	18.13	228	529	0.07	ng/ul#	77
23) Benzo(b)fluoranthene	20.38	252	328	0.06	ng/ul#	58
24) Benzo(k)fluoranthene	20.43	252	518	0.07	ng/ul#	60
25) Benzo(a)pyrene	21.01	252	326	0.06	ng/ul#	53
26) Indeno(1,2,3-cd)pyrene	23.24	276	1539	0.10	ng/ul#	75
27) Dibenzo(a,h)anthracene	23.32	278	238	0.05	ng/ul#	42
28) Benzo(g,h,i)perylene	23.83	276	1451	0.06	ng/ul#	55

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

```
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ALS Vial  : 7 Sample Multiplier: 1
```



#3

1,4-Dioxane

Concen: 2.76 ng/ul

RT: 1.81 min Scan# 68

Delta R.T. 0.01 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

Instrument :

BNA_E

ClientSampleId :

Y9RA6RX

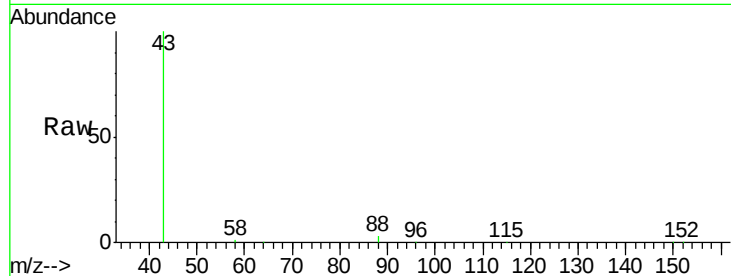
Tgt Ion: 88 Resp: 5977

Ion Ratio Lower Upper

88 100

58 29.5 61.5 92.3#

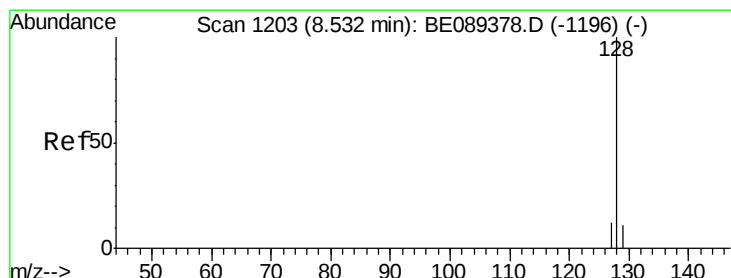
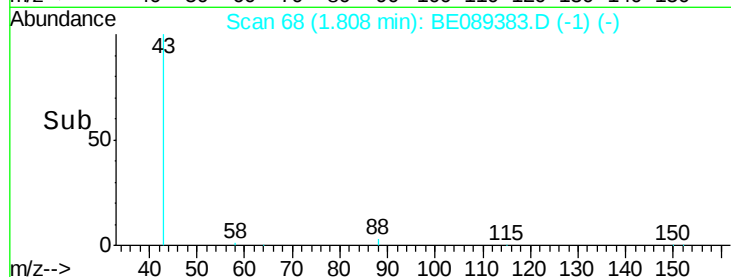
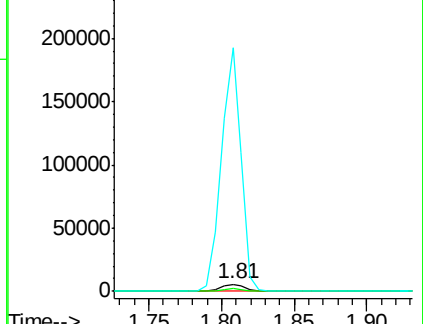
43 3054.7 23.9 35.9#



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: BE089383.D

Acq: 9 Jan 2015 14:35

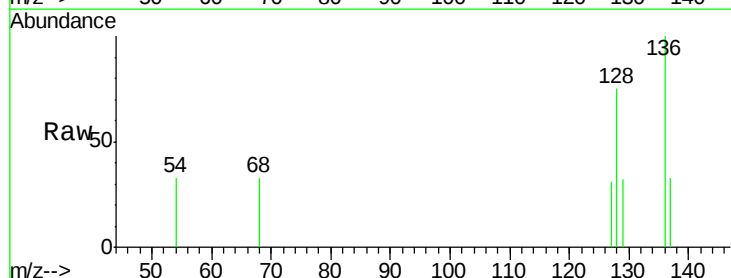
Tgt Ion: 128 Resp: 127

Ion Ratio Lower Upper

128 100

129 42.0 9.1 13.7#

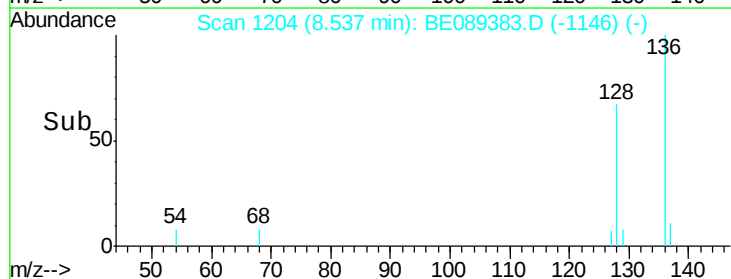
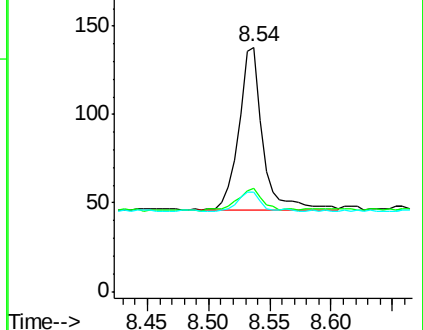
127 40.6 10.0 15.0#

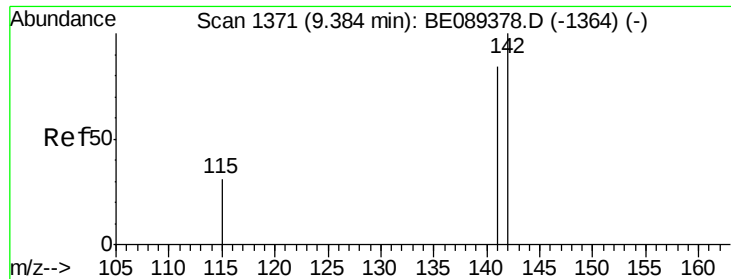


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

Instrument :

BNA_E

ClientSampleId :

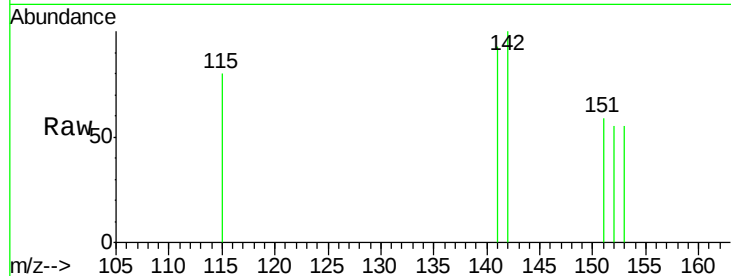
Y9RA6RX

Tgt Ion:142 Resp: 48

Ion Ratio Lower Upper

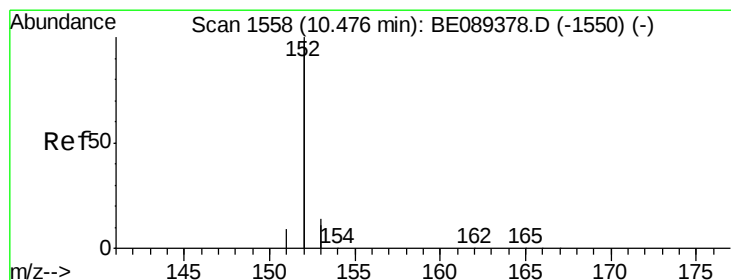
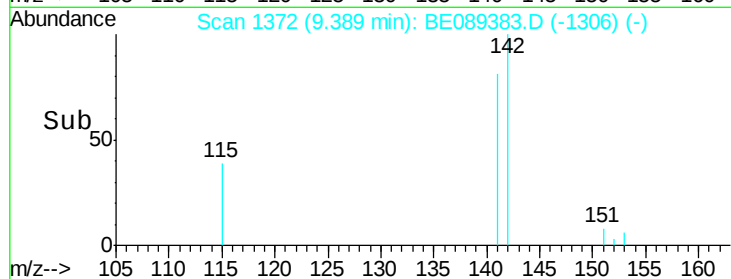
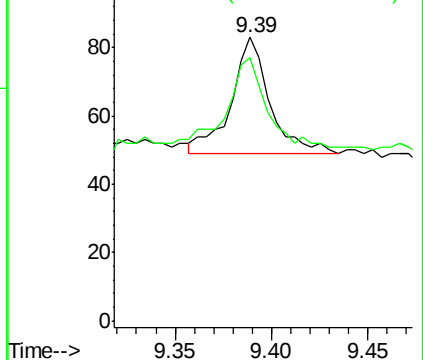
142 100

141 77.1 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

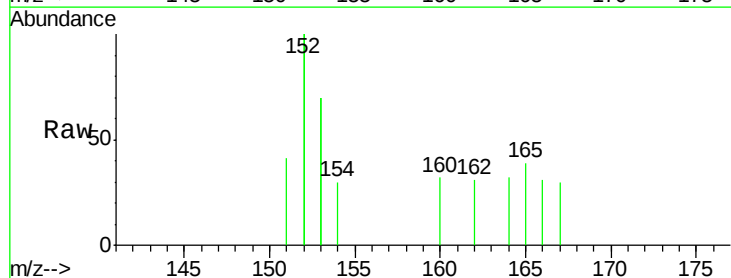
Tgt Ion:152 Resp: 229

Ion Ratio Lower Upper

152 100

151 20.6 4.0 6.0#

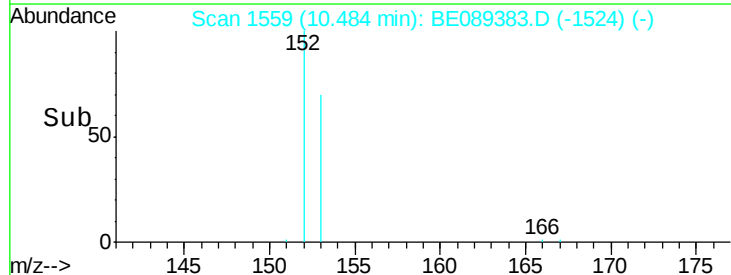
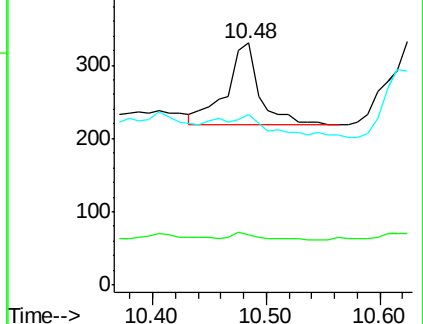
153 70.3 10.1 15.1#

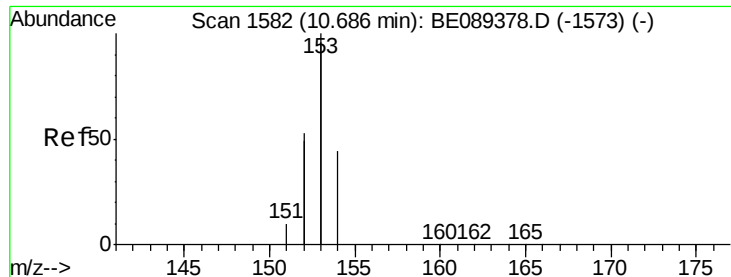


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

Instrument :

BNA_E

ClientSampleId :

Y9RA6RX

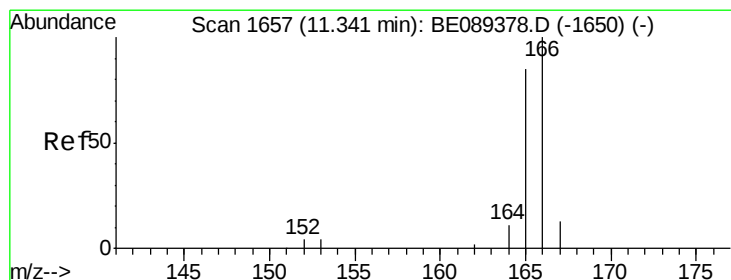
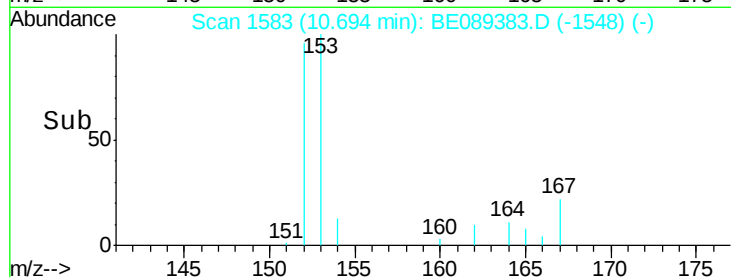
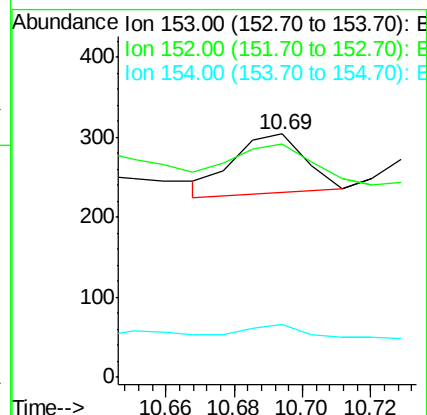
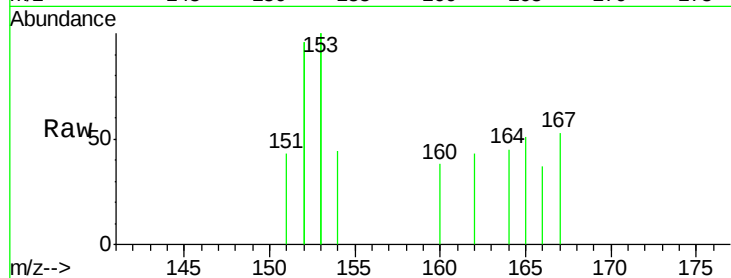
Tgt Ion:153 Resp: 108

Ion Ratio Lower Upper

153 100

152 96.1 32.6 49.0#

154 22.0 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: BE089383.D

Acq: 9 Jan 2015 14:35

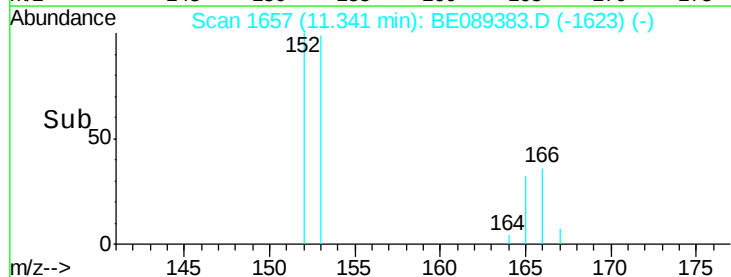
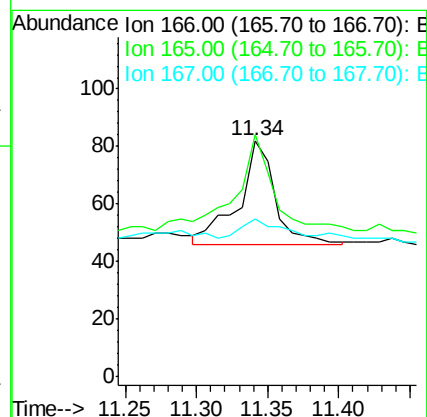
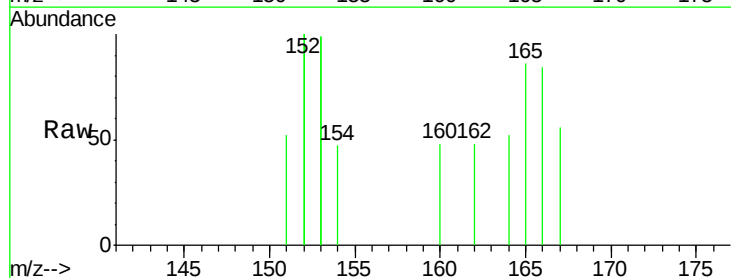
Tgt Ion:166 Resp: 65

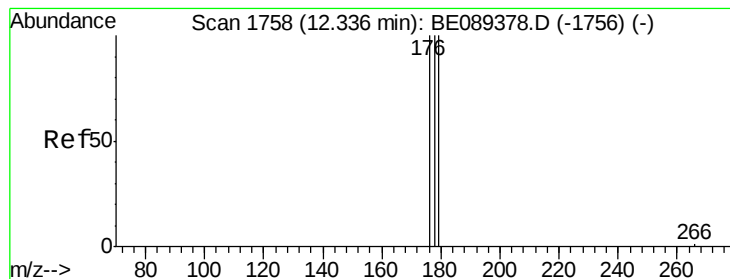
Ion Ratio Lower Upper

166 100

165 102.4 70.3 105.5

167 67.1 11.5 17.3#





#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 12.36 min Scan# 1760

Delta R.T. -0.06 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

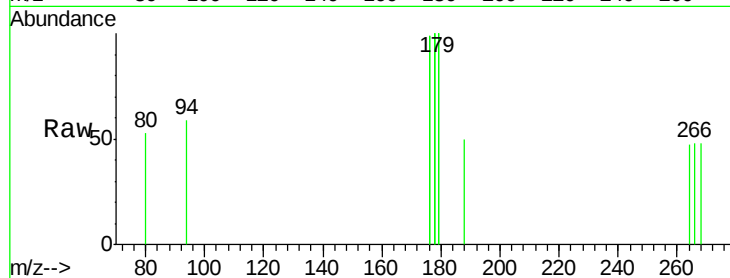
Instrument :

BNA_E

ClientSampleId :

Y9RA6RX

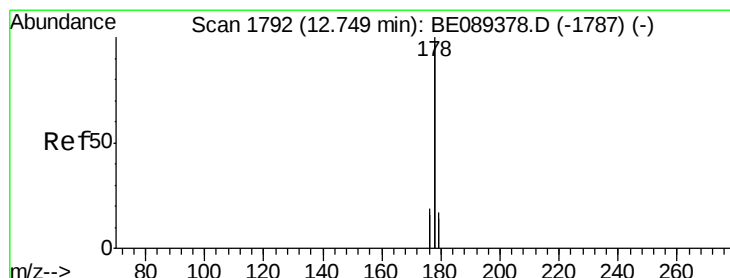
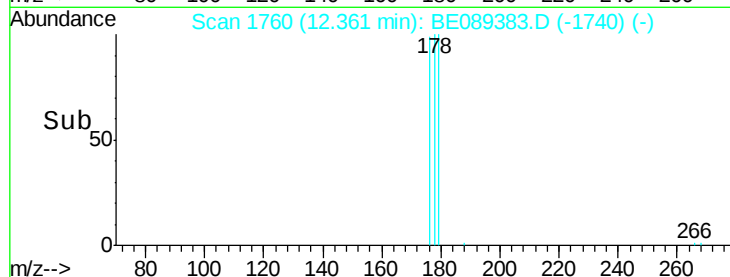
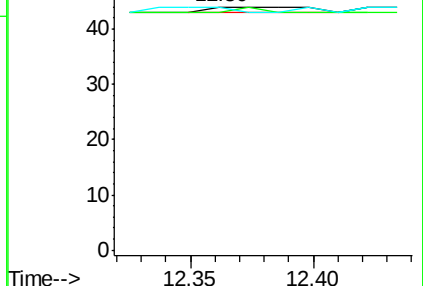
Tgt Ion:	266	Resp:	3
Ion	Ratio	Lower	Upper
266	100		
264	33.3	48.7	73.1#
268	0.0	52.9	79.3#



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: 0.02 ng/ul

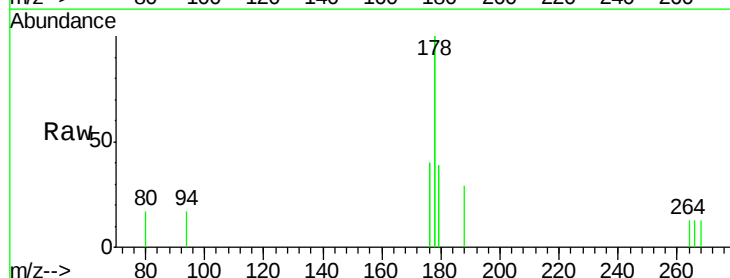
RT: 12.75 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

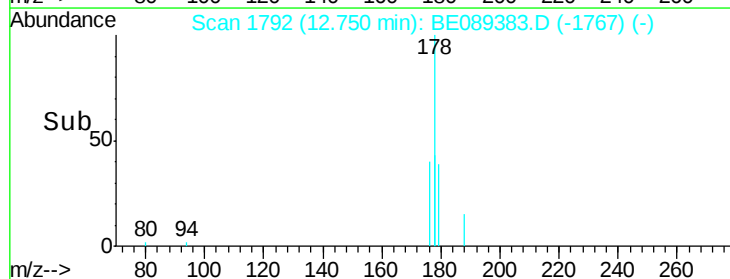
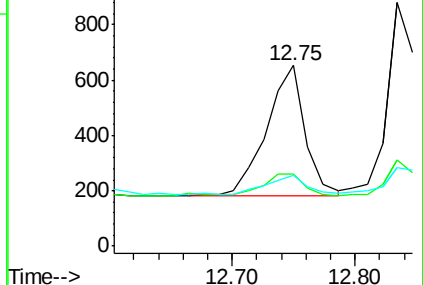
Tgt Ion:	178	Resp:	1033
Ion	Ratio	Lower	Upper
178	100		
176	39.9	14.3	21.5#
179	39.0	13.8	20.8#

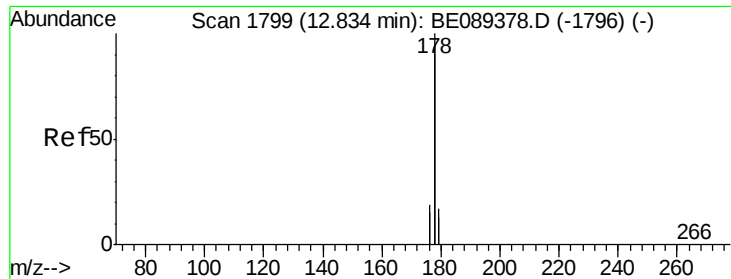


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.03 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

Instrument :

BNA_E

ClientSampleId :

Y9RA6RX

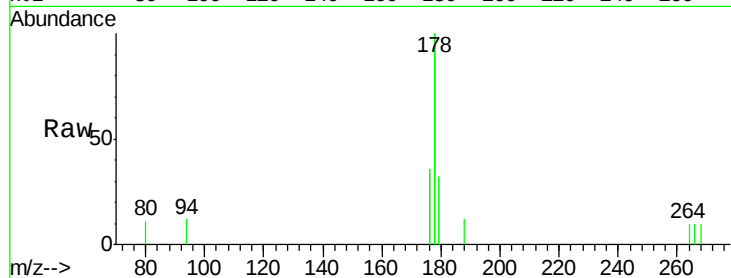
Tgt Ion:178 Resp: 1241

Ion Ratio Lower Upper

178 100

176 35.7 14.7 22.1#

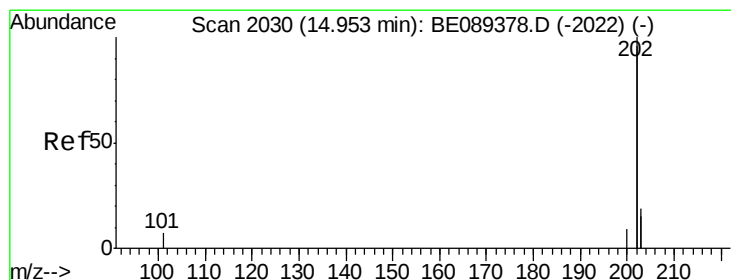
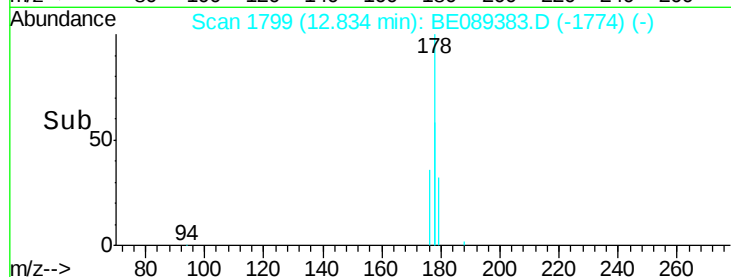
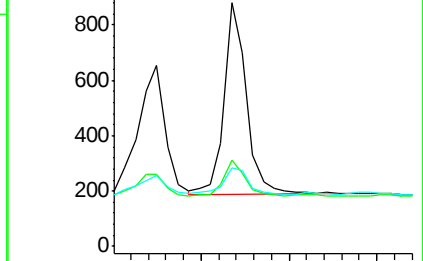
179 32.0 13.4 20.2#



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: 0.05 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

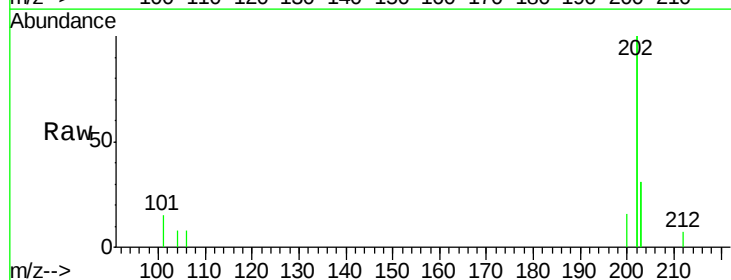
Tgt Ion:202 Resp: 2027

Ion Ratio Lower Upper

202 100

101 7.4 0.0 24.6

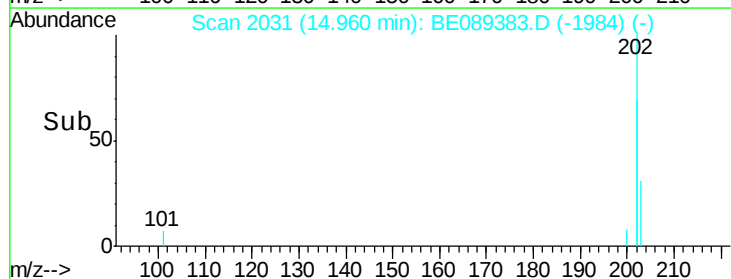
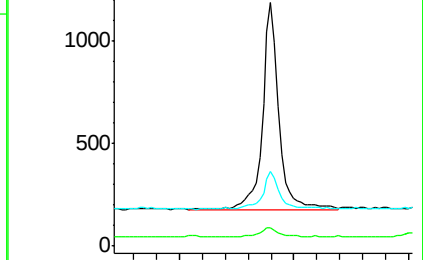
203 30.7 0.0 37.8

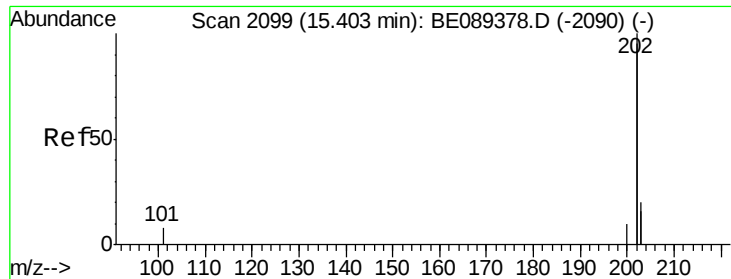


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

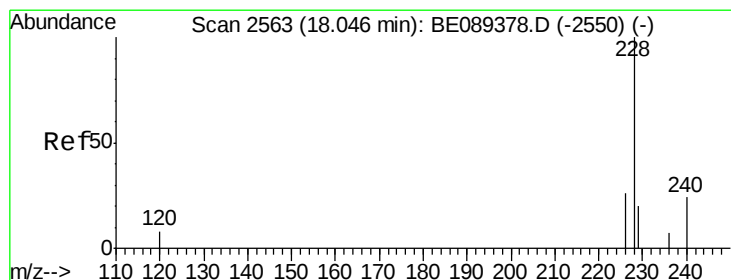
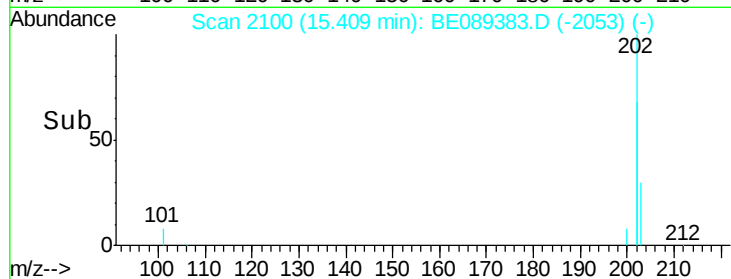
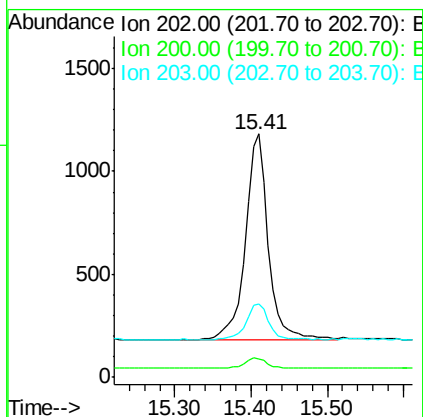
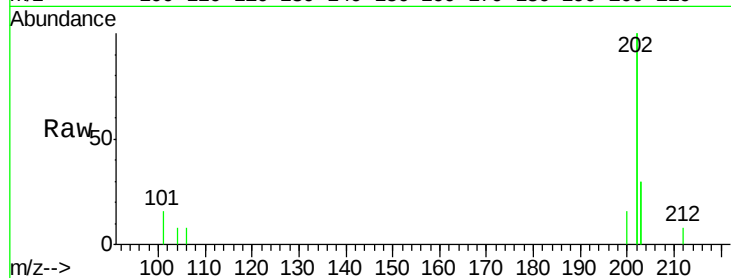




#19
Pyrene
Concen: 0.06 ng/ul
RT: 15.41 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BE089383.D
Acq: 9 Jan 2015 14:35

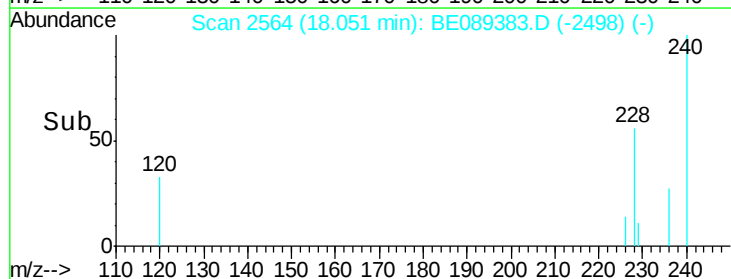
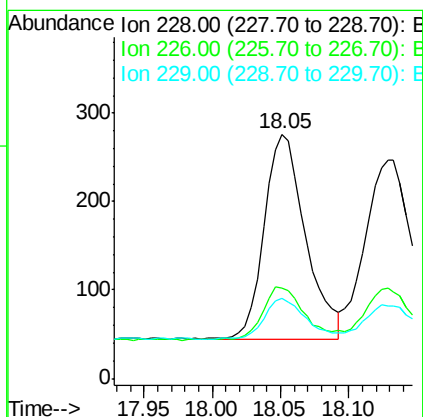
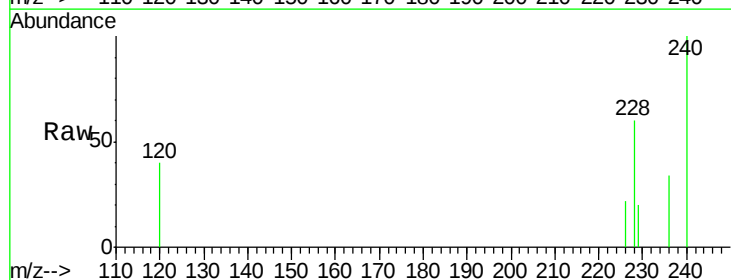
Instrument :
BNA_E
ClientSampleId :
Y9RA6RX

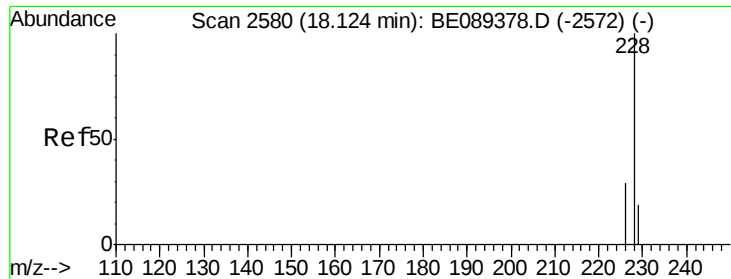
Tgt Ion:202 Resp: 2108
Ion Ratio Lower Upper
202 100
200 7.8 4.2 6.4#
203 30.1 14.4 21.6#



#20
Benzo(a)anthracene
Concen: 0.08 ng/ul
RT: 18.05 min Scan# 2564
Delta R.T. 0.00 min
Lab File: BE089383.D
Acq: 9 Jan 2015 14:35

Tgt Ion:228 Resp: 488
Ion Ratio Lower Upper
228 100
226 37.0 21.9 32.9#
229 32.6 16.9 25.3#





#21

Chrysene

Concen: 0.07 ng/ul

RT: 18.13 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

Instrument :

BNA_E

ClientSampleId :

Y9RA6RX

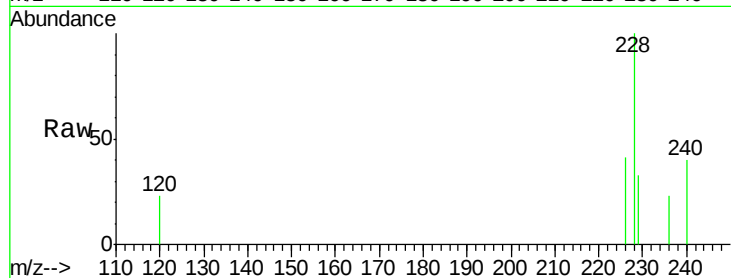
Tgt Ion:228 Resp: 529

Ion Ratio Lower Upper

228 100

226 41.3 23.9 35.9#

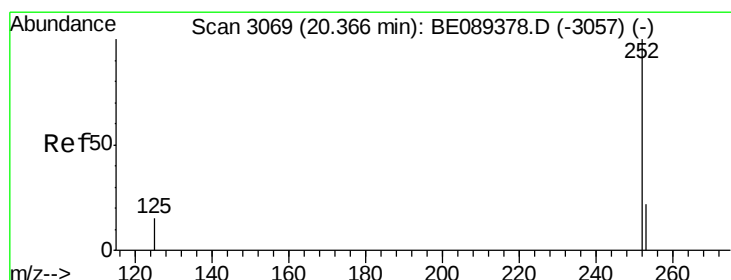
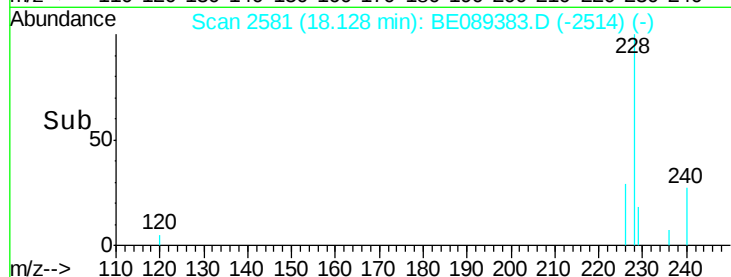
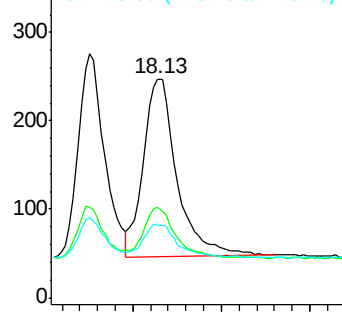
229 33.2 16.8 25.2#



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: 0.06 ng/ul

RT: 20.38 min Scan# 3071

Delta R.T. 0.00 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

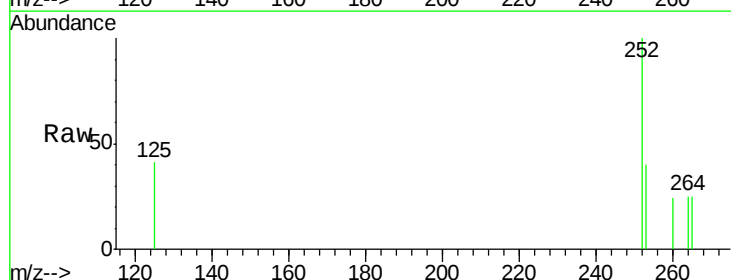
Tgt Ion:252 Resp: 328

Ion Ratio Lower Upper

252 100

253 40.1 0.0 47.8

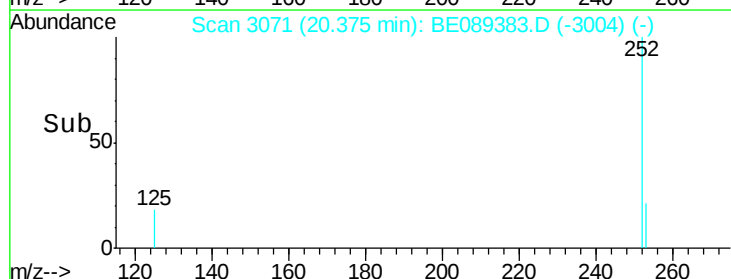
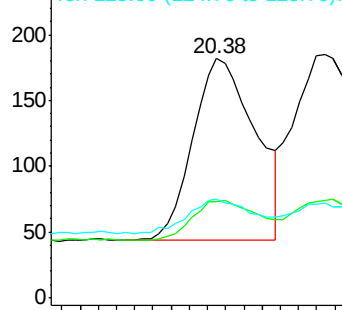
125 41.2 0.0 34.2#

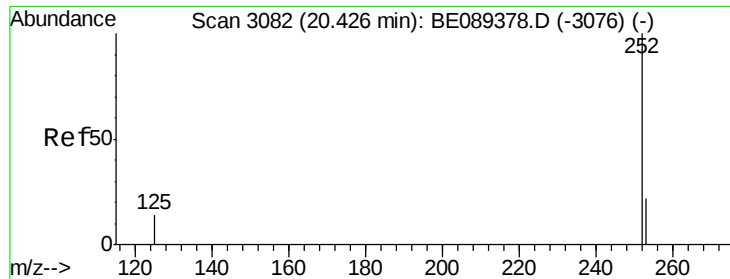


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 20.43 min Scan# 3084

Delta R.T. 0.00 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

Instrument :

BNA_E

ClientSampleId :

Y9RA6RX

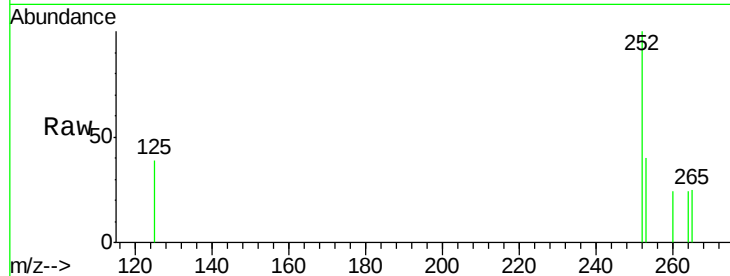
Tgt Ion:252 Resp: 518

Ion Ratio Lower Upper

252 100

253 40.0 19.0 28.6#

125 38.9 13.5 20.3#



Abundance Ion 252.00 (251.70 to 252.70): E

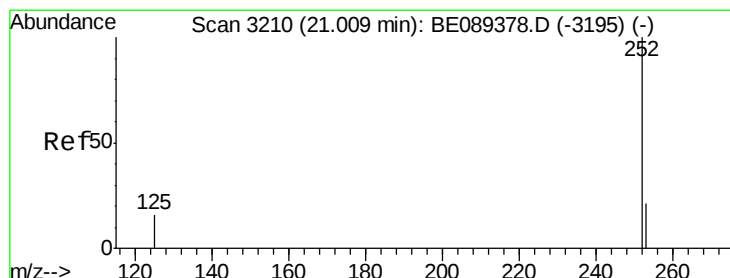
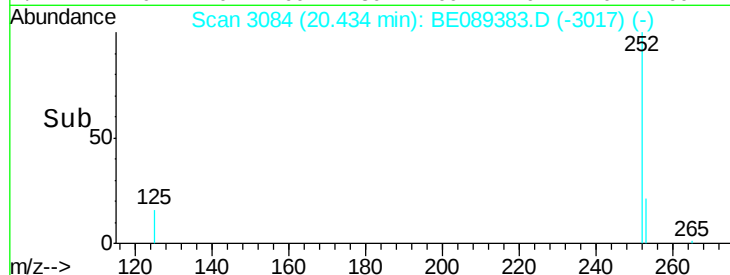
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

20.43

20.60



#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 21.01 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

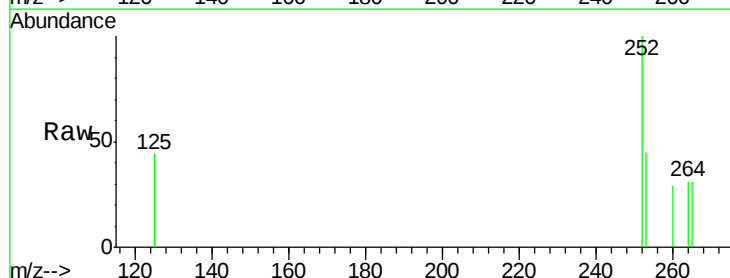
Tgt Ion:252 Resp: 326

Ion Ratio Lower Upper

252 100

253 44.7 19.7 29.5#

125 44.0 15.0 22.6#



Abundance Ion 252.00 (251.70 to 252.70): E

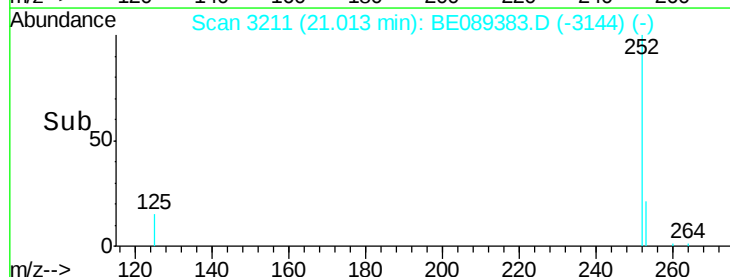
Ion 253.00 (252.70 to 253.70): E

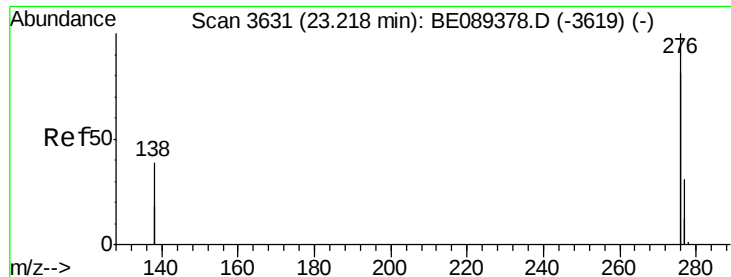
Ion 125.00 (124.70 to 125.70): E

Time-->

21.01

21.10





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.10 ng/ul

RT: 23.24 min Scan# 3635

Delta R.T. 0.01 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

Instrument :

BNA_E

ClientSampleId :

Y9RA6RX

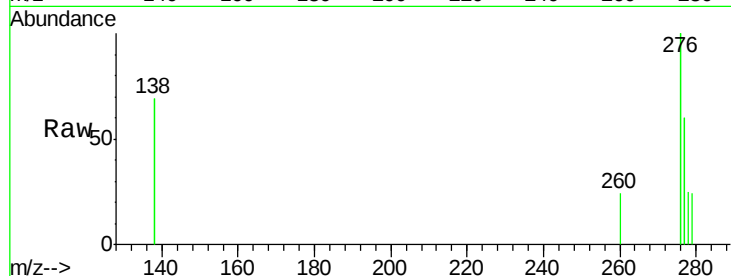
Tgt Ion: 276 Resp: 1539

Ion Ratio Lower Upper

276 100

138 16.6 23.8 35.8#

277 11.3 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

300

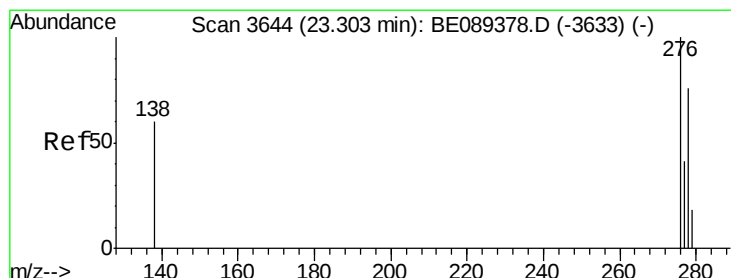
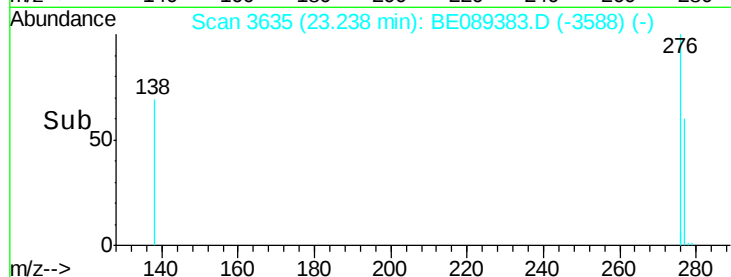
200

100

0

23.20 23.40 23.60

Time-->



#27

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 23.32 min Scan# 3648

Delta R.T. 0.01 min

Lab File: BE089383.D

Acq: 9 Jan 2015 14:35

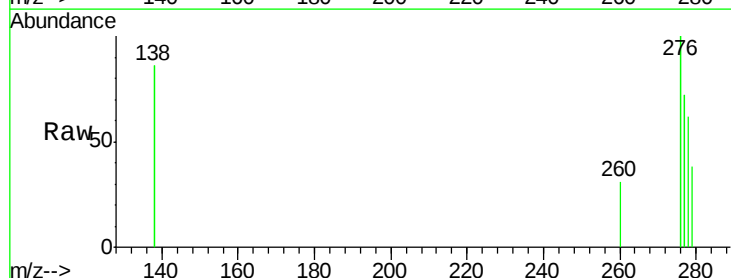
Tgt Ion: 278 Resp: 238

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

279 61.2 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

23.32

100

80

60

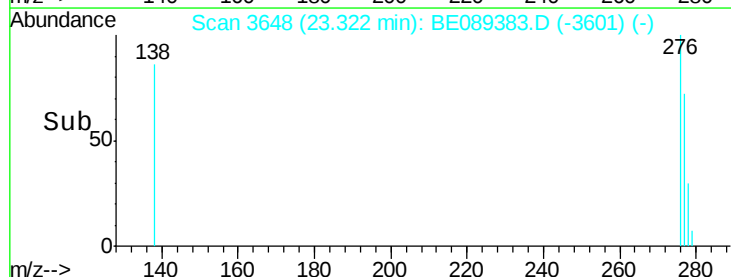
40

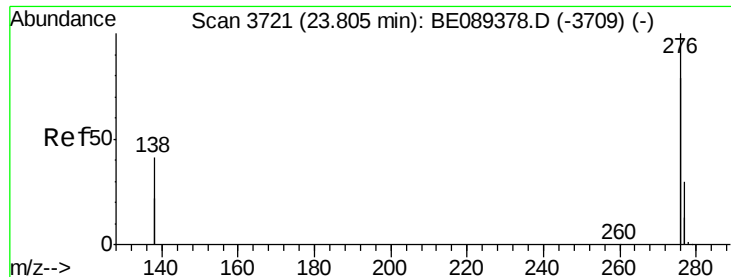
20

0

23.20 23.30 23.40 23.50

Time-->





#28

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 23.83 min Scan# 3726

Delta R.T. 0.01 min

Lab File: BE089383.D

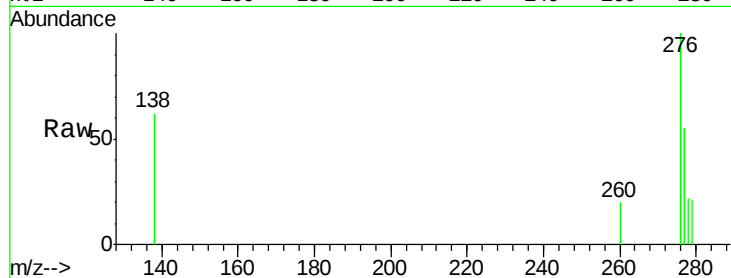
Acq: 9 Jan 2015 14:35

Instrument :

BNA_E

ClientSampleId :

Y9RA6RX



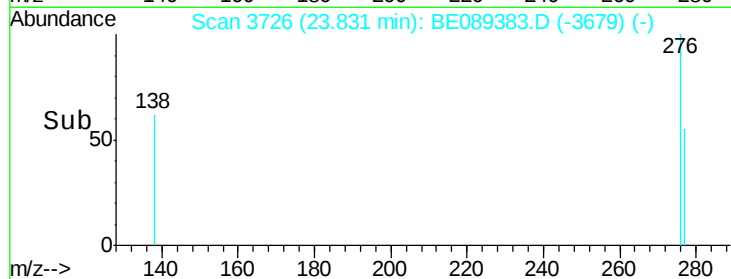
Tgt Ion: 276 Resp: 1451

Ion Ratio Lower Upper

276 100

277 54.5 22.3 33.5#

138 61.6 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

