

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010715\
 Data File : BE089333.D
 Acq On : 7 Jan 2015 15:10
 Operator : TP/IZ
 Sample : F5245-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RC5

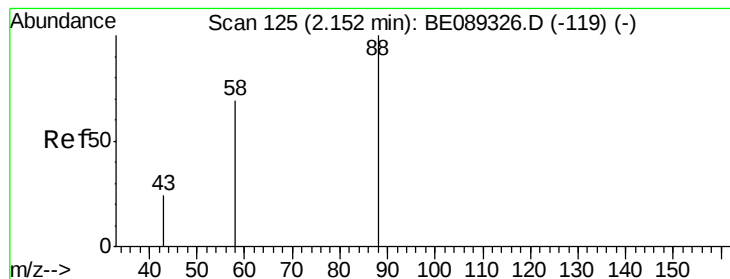
Quant Time: Jan 08 02:43:44 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE123014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 01:37:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1158	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4559	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.66	164	2381	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3686	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2750	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2358	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.11	96	522	0.30	ng/uL	0.00
6) 2-Methylnaphthalene-d10	9.16	152	26	0.00	ng/ul	-0.19
16) Fluoranthene-d10	14.91	212	6	0.00	ng/ul	0.00

Target Compounds				Qvalue		
3) 1,4-Dioxane	1.80	88	5693	2.94	ng/ul#	1
5) Naphthalene	8.53	128	277	0.03	ng/ul#	60
7) 2-Methylnaphthalene	9.39	142	84	0.01	ng/ul	82
9) Acenaphthylene	10.48	152	227	0.01	ng/ul#	1
10) Acenaphthene	10.73	153	3367	0.13	ng/ul#	50
11) Fluorene	11.34	166	49	0.01	ng/ul#	67
13) Pentachlorophenol	12.51	266	1	0.00	ng/ul#	18
14) Phenanthrene	12.75	178	651	0.02	ng/ul#	46
15) Anthracene	12.83	178	546	0.02	ng/ul#	36
17) Fluoranthene	14.96	202	1095	0.03	ng/ul	63
19) Pyrene	15.41	202	1080	0.03	ng/ul#	62
20) Benzo(a)anthracene	18.05	228	283	0.05	ng/ul#	68
21) Chrysene	18.13	228	284	0.04	ng/ul#	68
23) Benzo(b)fluoranthene	20.38	252	219	0.04	ng/ul#	38
24) Benzo(k)fluoranthene	20.43	252	260	0.03	ng/ul#	39
25) Benzo(a)pyrene	21.01	252	212	0.04	ng/ul#	37
26) Indeno(1,2,3-cd)pyrene	23.24	276	1003	0.06	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.31	278	180	0.04	ng/ul#	32
28) Benzo(g,h,i)perylene	23.82	276	878	0.04	ng/ul#	41

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



#3

1,4-Dioxane

Concen: 2.94 ng/ul

RT: 1.80 min Scan# 67

Delta R.T. -0.35 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

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Y9RC5

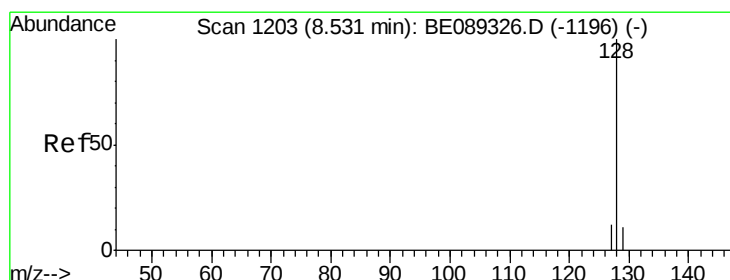
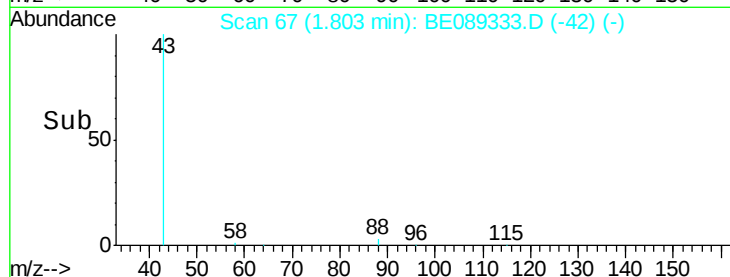
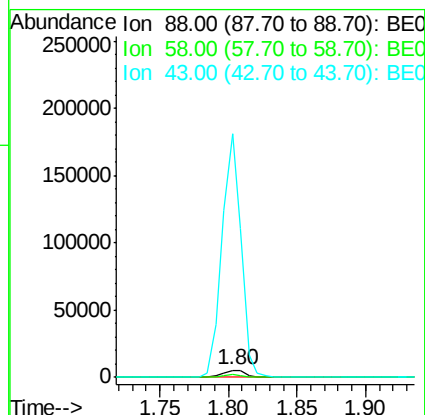
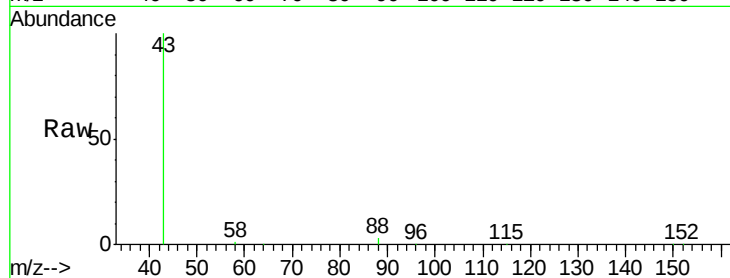
Tgt Ion: 88 Resp: 5693

Ion Ratio Lower Upper

88 100

58 28.9 61.5 92.3#

43 3053.7 23.9 35.9#



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

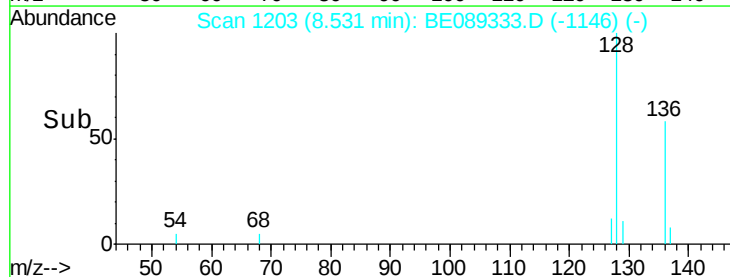
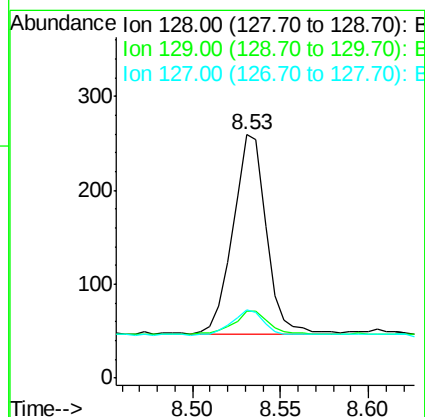
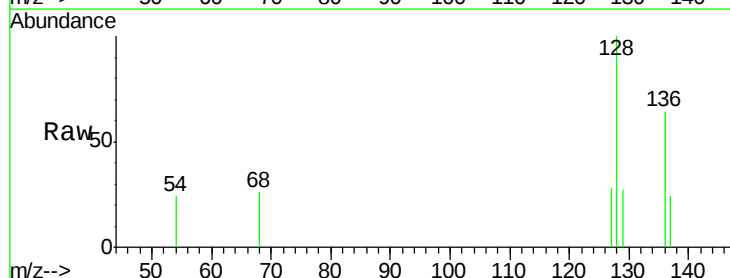
Tgt Ion: 128 Resp: 277

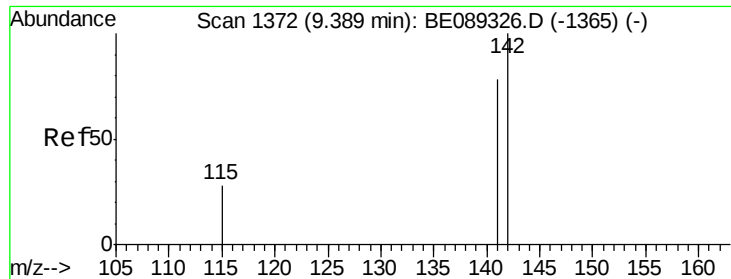
Ion Ratio Lower Upper

128 100

129 27.4 9.1 13.7#

127 27.8 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: BE089333.D

Acq: 7 Jan 2015 15:10

Instrument :

BNA_E

ClientSampleId :

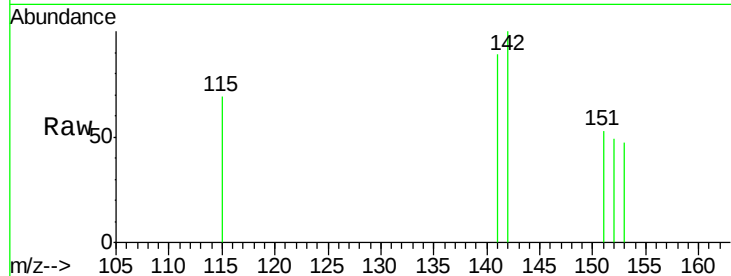
Y9RC5

Tgt Ion:142 Resp: 84

Ion Ratio Lower Upper

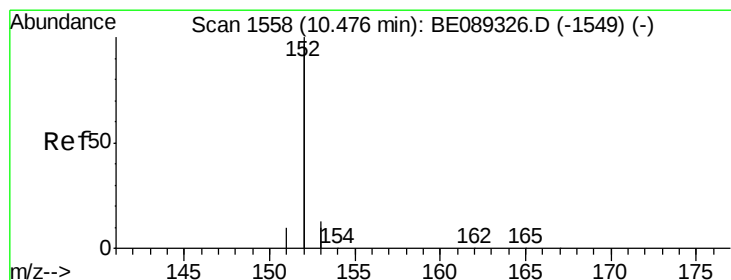
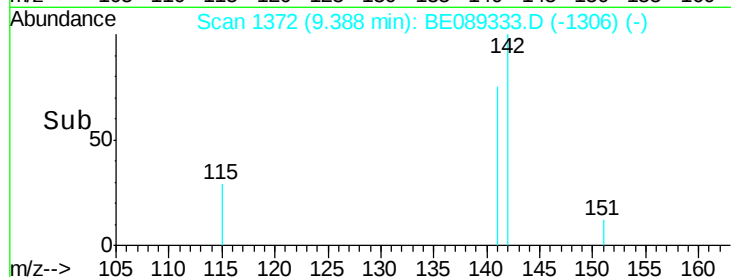
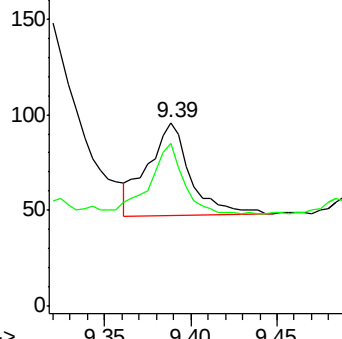
142 100

141 65.5 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: BE089333.D

Acq: 7 Jan 2015 15:10

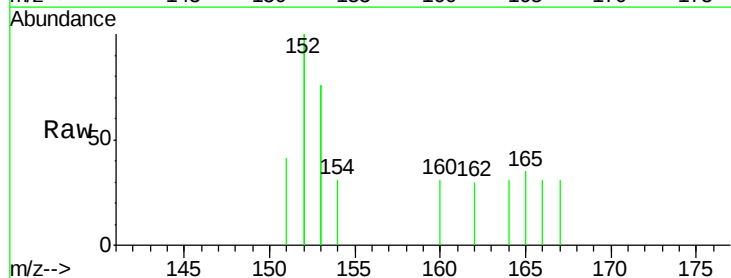
Tgt Ion:152 Resp: 227

Ion Ratio Lower Upper

152 100

151 20.5 4.0 6.0#

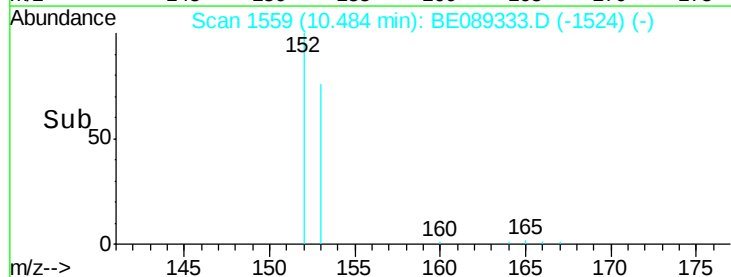
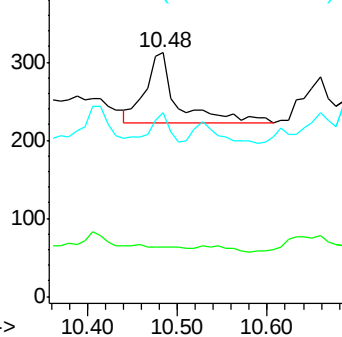
153 75.6 10.1 15.1#

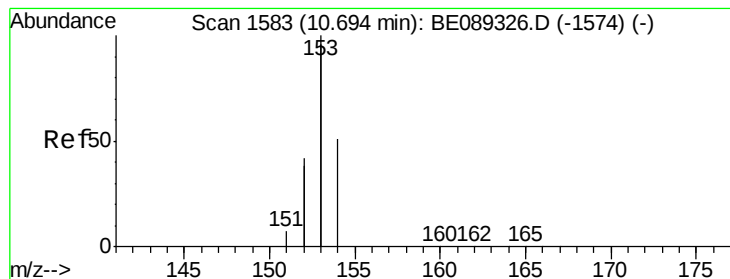


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.13 ng/ul

RT: 10.73 min Scan# 1587

Delta R.T. 0.03 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

Instrument :

BNA_E

ClientSampleId :

Y9RC5

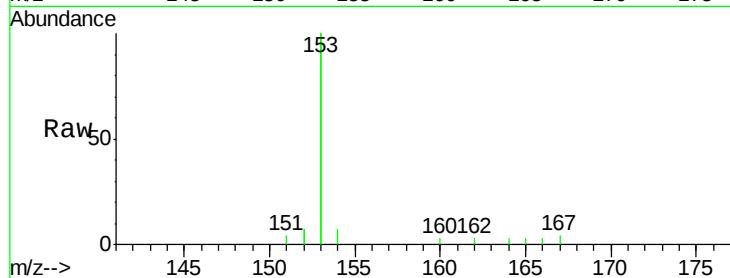
Tgt Ion:153 Resp: 3367

Ion Ratio Lower Upper

153 100

152 7.4 32.6 49.0#

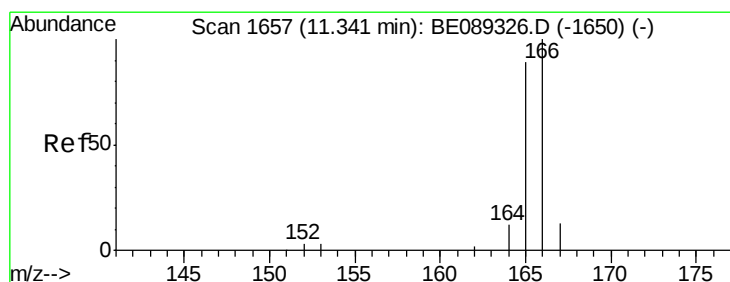
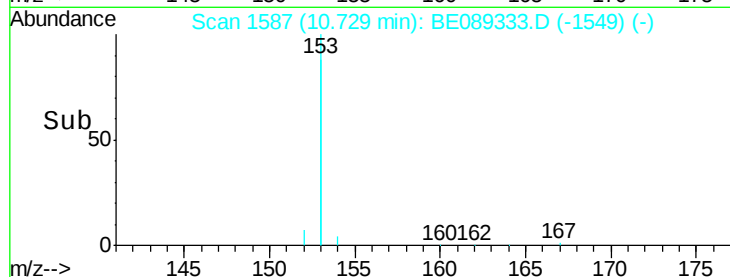
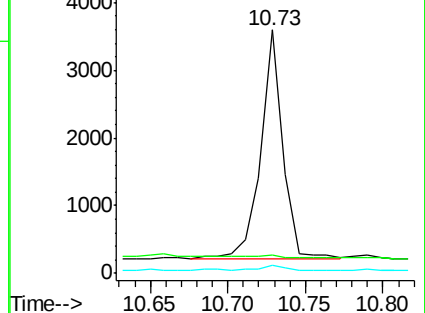
154 3.4 21.8 32.6#



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



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

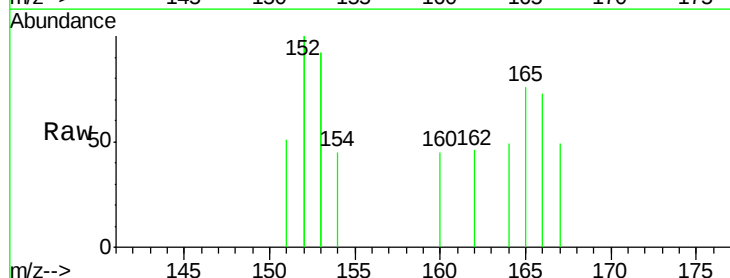
Tgt Ion:166 Resp: 49

Ion Ratio Lower Upper

166 100

165 104.0 70.3 105.5

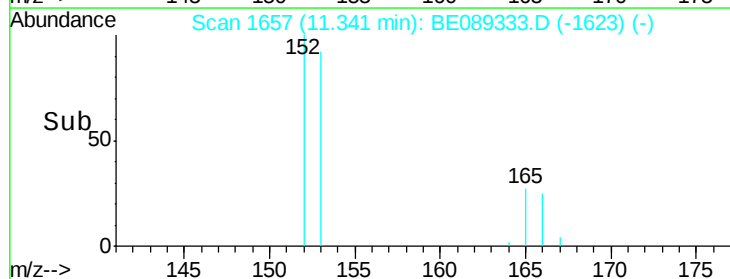
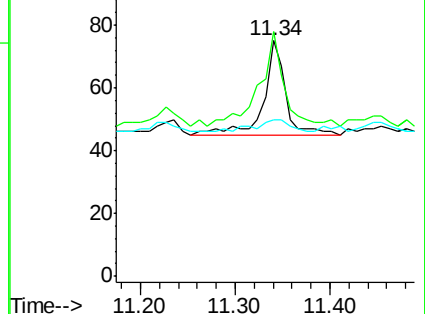
167 66.7 11.5 17.3#

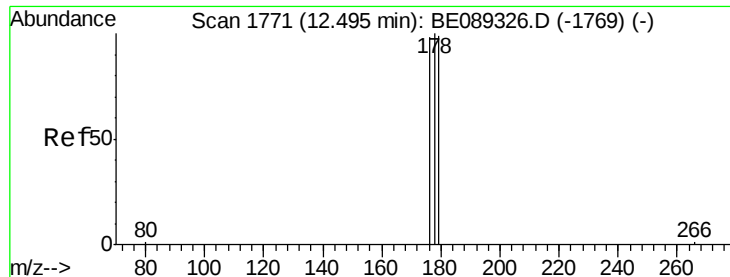


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

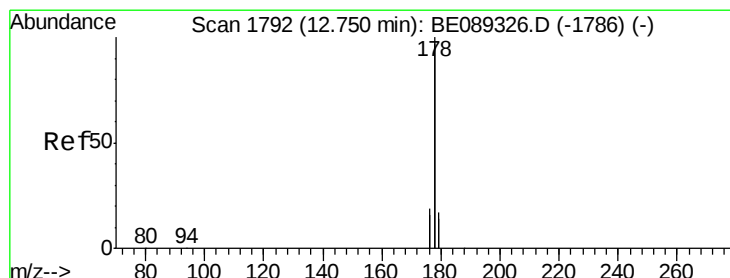
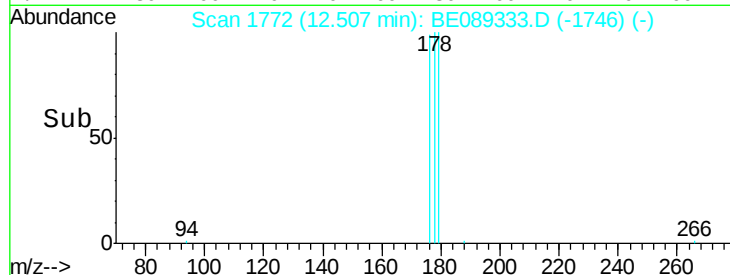
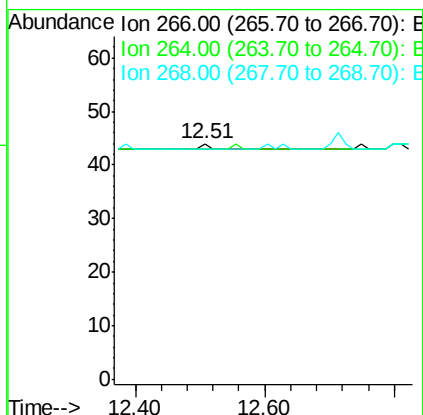
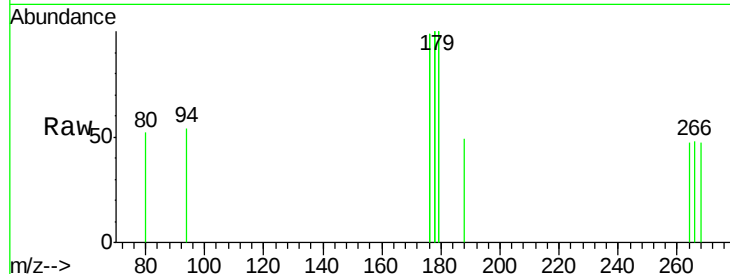




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 12.51 min Scan# 1772
 Delta R.T. 0.01 min
 Lab File: BE089333.D
 Acq: 7 Jan 2015 15:10

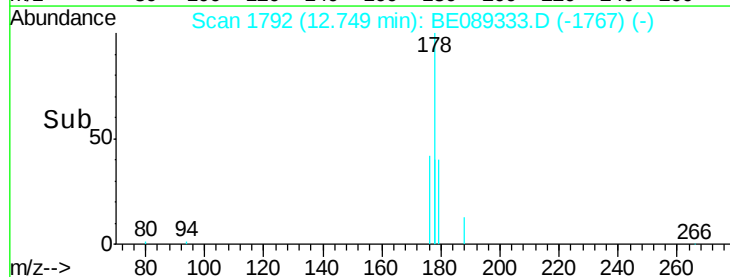
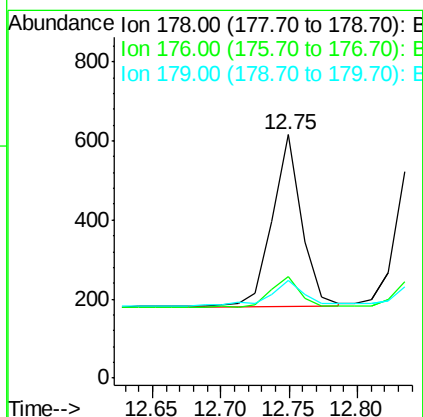
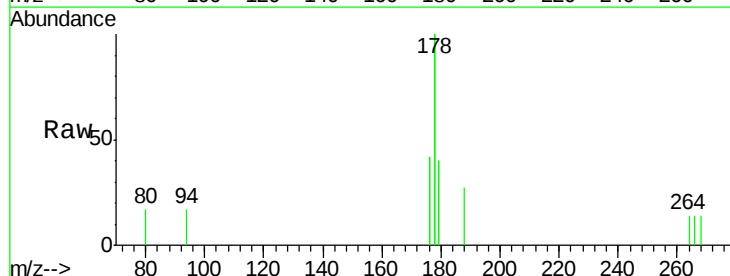
Instrument :
 BNA_E
 ClientSampleId :
 Y9RC5

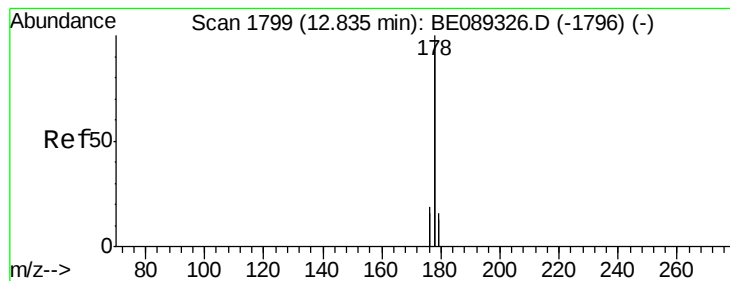
Tgt Ion: 266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 264 0.0 48.7 73.1#
 268 0.0 52.9 79.3#



#14
 Phenanthrene
 Concen: 0.02 ng/ul
 RT: 12.75 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BE089333.D
 Acq: 7 Jan 2015 15:10

Tgt Ion: 178 Resp: 651
 Ion Ratio Lower Upper
 178 100
 176 41.9 14.3 21.5#
 179 40.3 13.8 20.8#





#15

Anthracene

Concen: 0.02 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

Instrument :

BNA_E

ClientSampleId :

Y9RC5

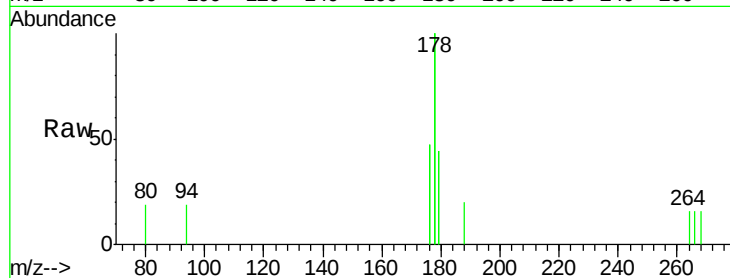
Tgt Ion:178 Resp: 546

Ion Ratio Lower Upper

178 100

176 46.7 14.7 22.1#

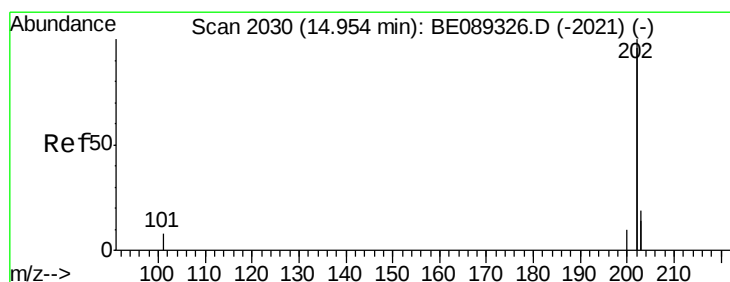
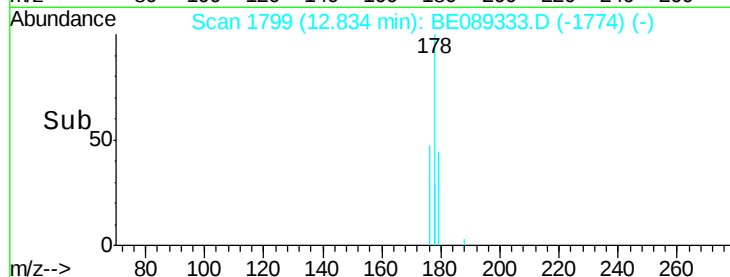
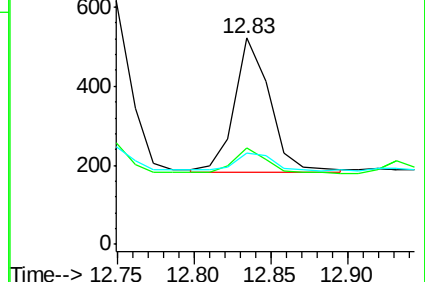
179 44.4 13.4 20.2#



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: BE089333.D

Acq: 7 Jan 2015 15:10

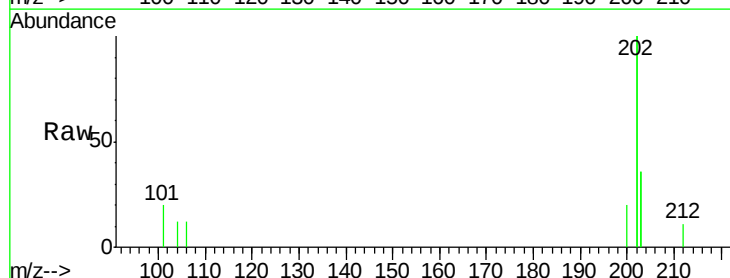
Tgt Ion:202 Resp: 1095

Ion Ratio Lower Upper

202 100

101 9.8 0.0 24.6

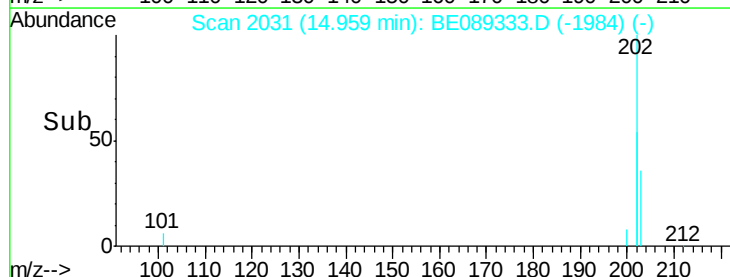
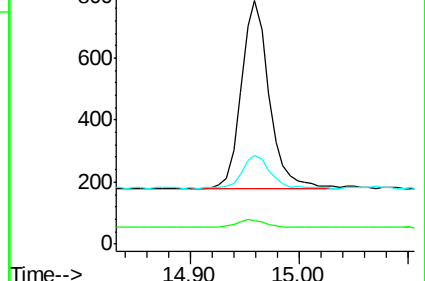
203 36.4 0.0 37.8

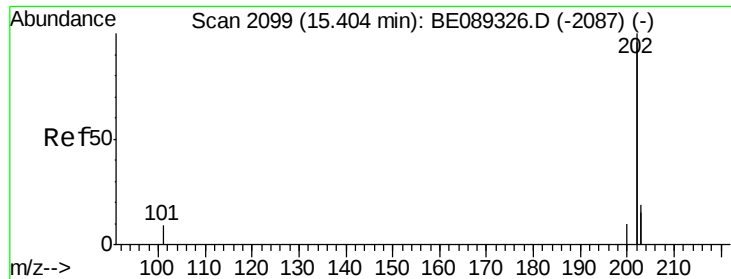


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

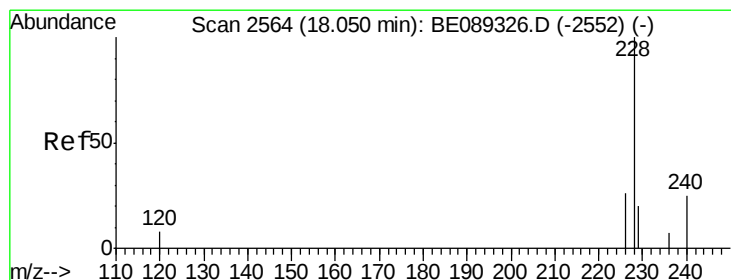
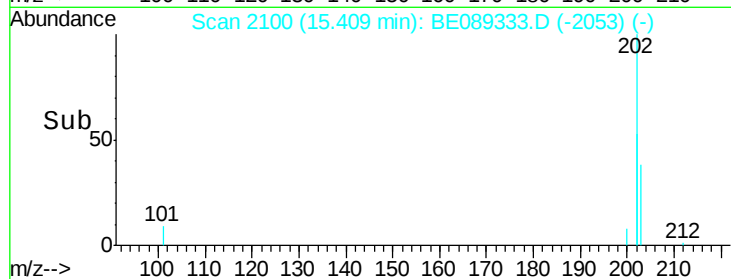
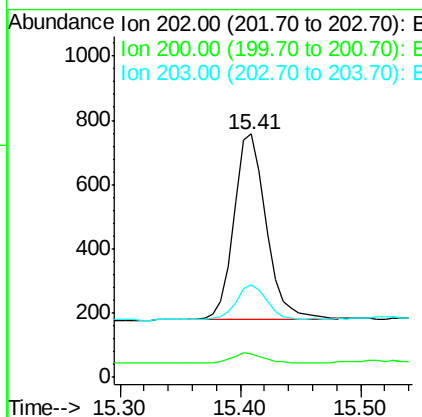
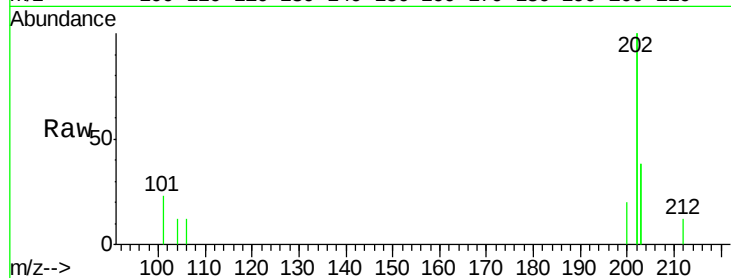




#19
Pyrene
Concen: 0.03 ng/ul
RT: 15.41 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BE089333.D
Acq: 7 Jan 2015 15:10

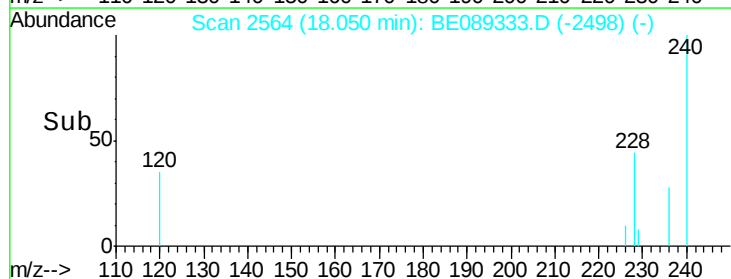
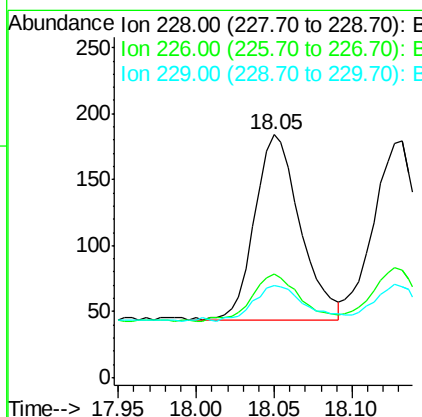
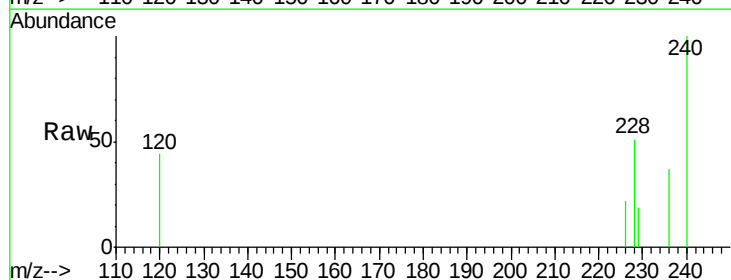
Instrument :
BNA_E
ClientSampleId :
Y9RC5

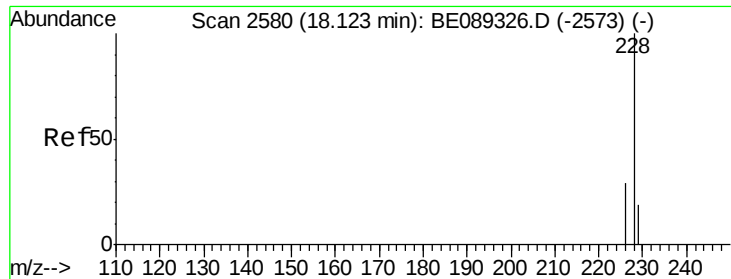
Tgt Ion:202 Resp: 1080
Ion Ratio Lower Upper
202 100
200 9.8 4.2 6.4#
203 38.0 14.4 21.6#



#20
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 18.05 min Scan# 2564
Delta R.T. -0.00 min
Lab File: BE089333.D
Acq: 7 Jan 2015 15:10

Tgt Ion:228 Resp: 283
Ion Ratio Lower Upper
228 100
226 42.4 21.9 32.9#
229 38.0 16.9 25.3#





#21

Chrysene

Concen: 0.04 ng/ul

RT: 18.13 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

Instrument :

BNA_E

ClientSampleId :

Y9RC5

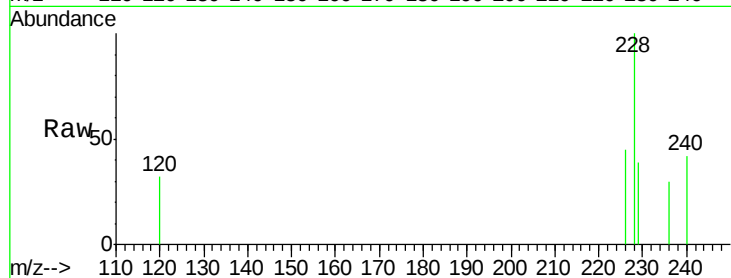
Tgt Ion:228 Resp: 284

Ion Ratio Lower Upper

228 100

226 45.3 23.9 35.9#

229 38.5 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

250

200

150

100

50

0

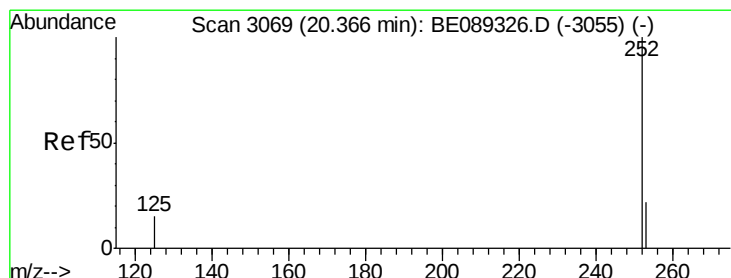
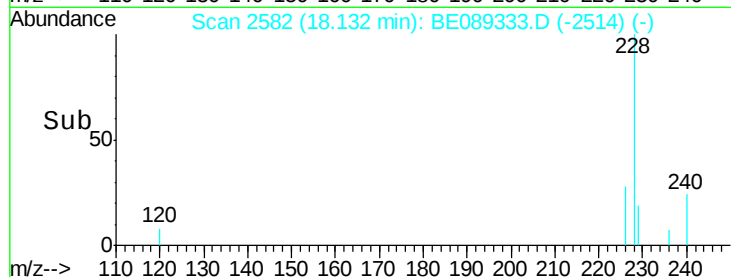
18.05

18.10

18.15

18.20

Time-->



#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 20.38 min Scan# 3072

Delta R.T. 0.01 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

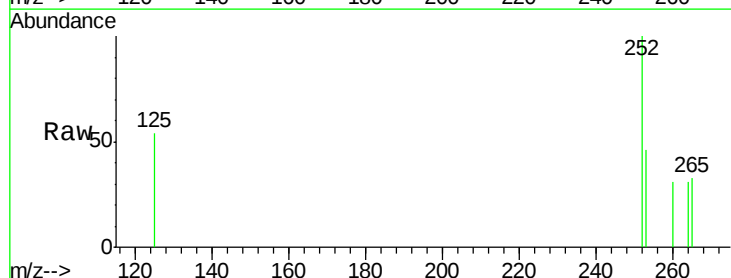
Tgt Ion:252 Resp: 219

Ion Ratio Lower Upper

252 100

253 46.2 0.0 47.8

125 53.8 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

150

100

50

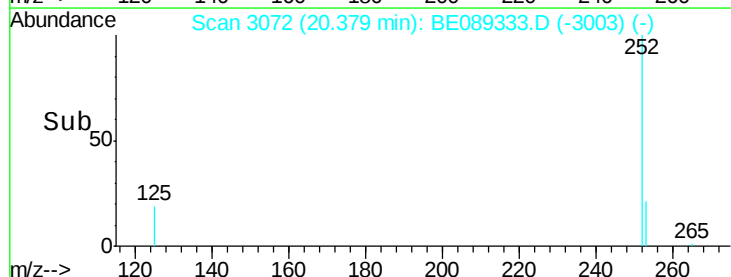
0

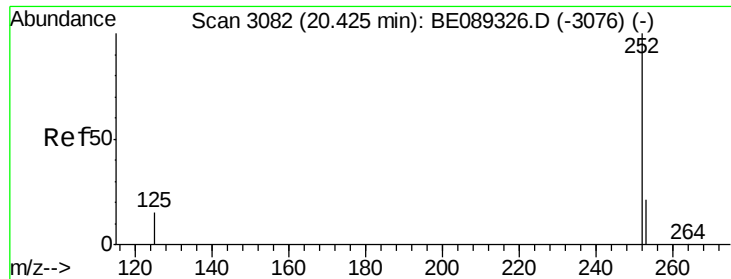
20.30

20.35

20.40

Time-->





#24

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 20.43 min Scan# 3084

Delta R.T. 0.01 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

Instrument :

BNA_E

ClientSampleId :

Y9RC5

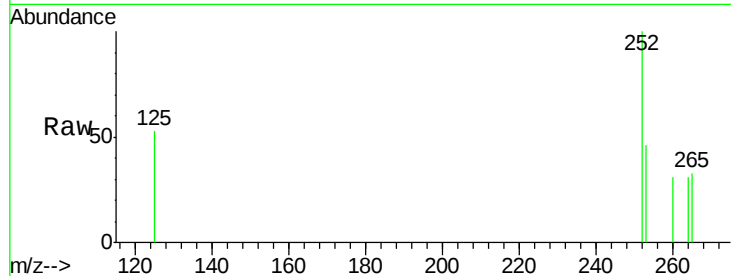
Tgt Ion:252 Resp: 260

Ion Ratio Lower Upper

252 100

253 46.5 19.0 28.6#

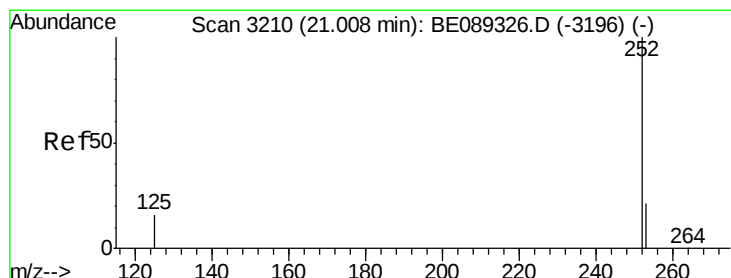
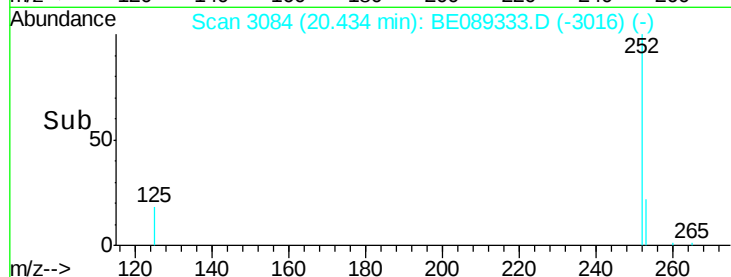
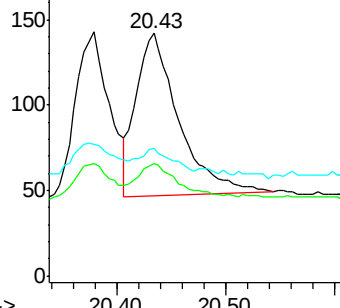
125 52.8 13.5 20.3#



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# 3211

Delta R.T. 0.00 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

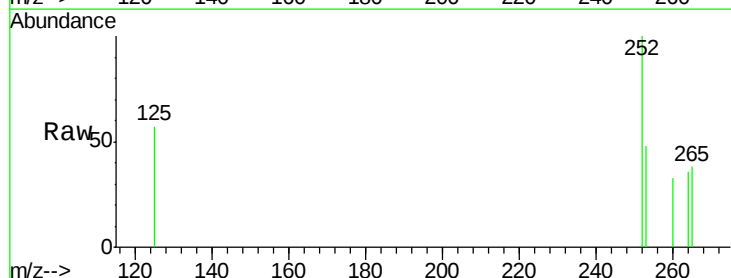
Tgt Ion:252 Resp: 212

Ion Ratio Lower Upper

252 100

253 48.1 19.7 29.5#

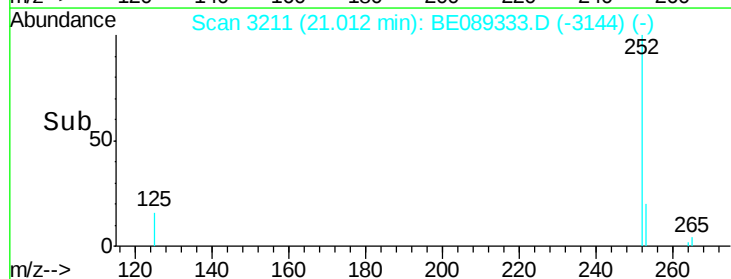
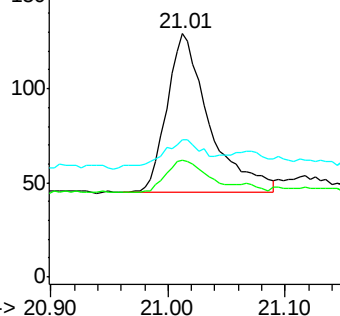
125 56.6 15.0 22.6#

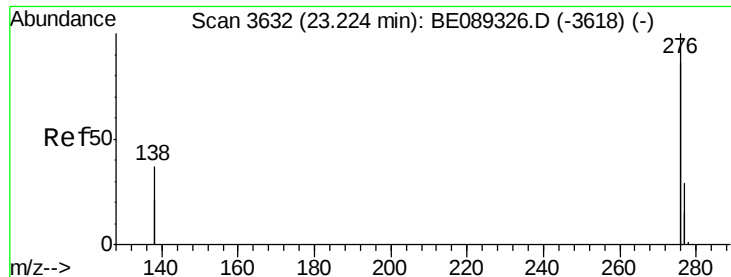


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.06 ng/ul

RT: 23.24 min Scan# 3634

Delta R.T. 0.01 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

Instrument :

BNA_E

ClientSampleId :

Y9RC5

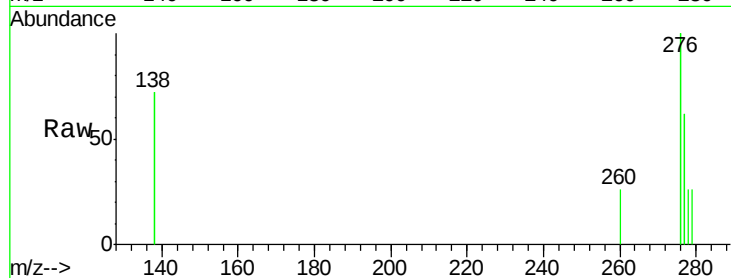
Tgt Ion:276 Resp: 1003

Ion Ratio Lower Upper

276 100

138 22.3 23.8 35.8#

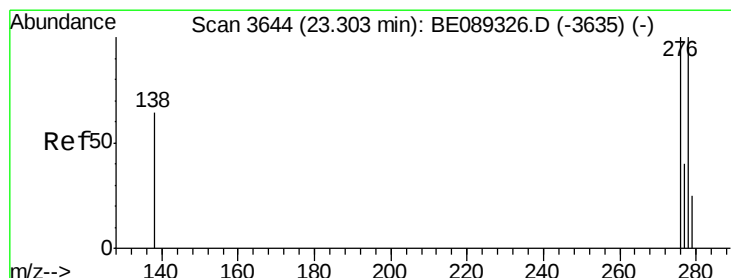
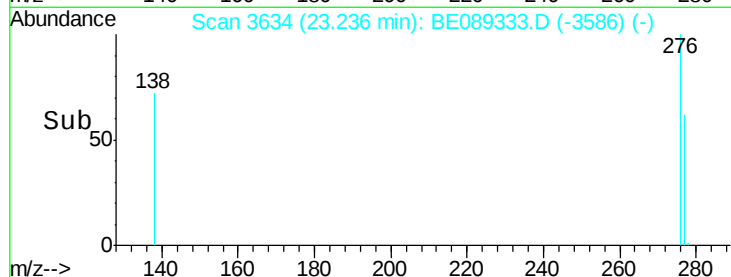
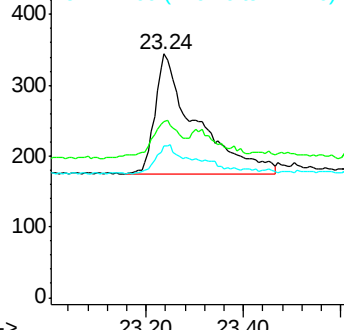
277 24.2 18.9 28.3



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



#27

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 23.31 min Scan# 3646

Delta R.T. 0.01 min

Lab File: BE089333.D

Acq: 7 Jan 2015 15:10

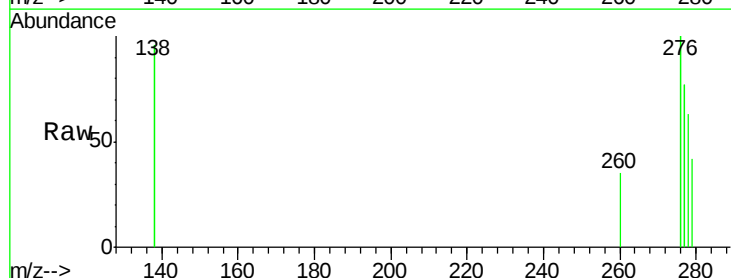
Tgt Ion:278 Resp: 180

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

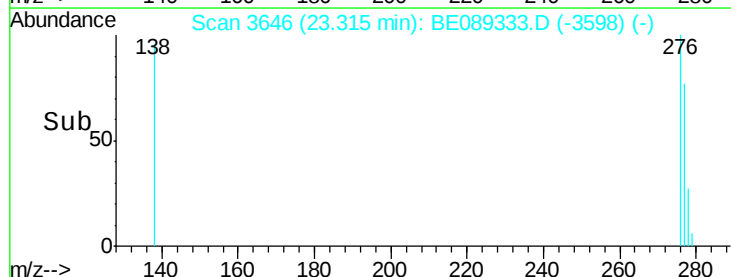
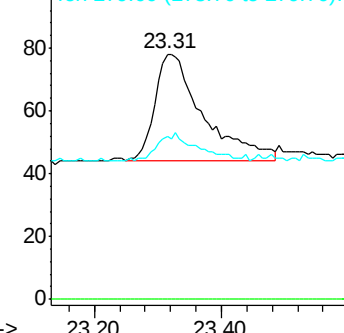
279 66.7 24.0 36.0#

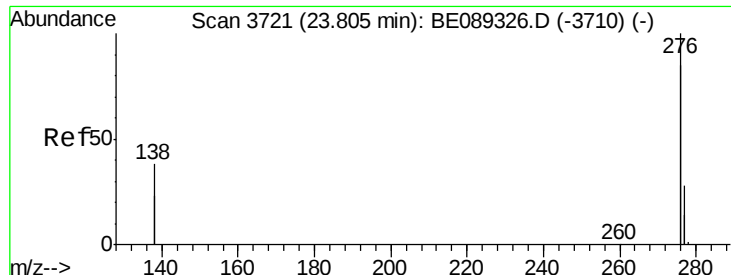


Abundance Ion 278.00 (277.70 to 278.70): E

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: BE089333.D

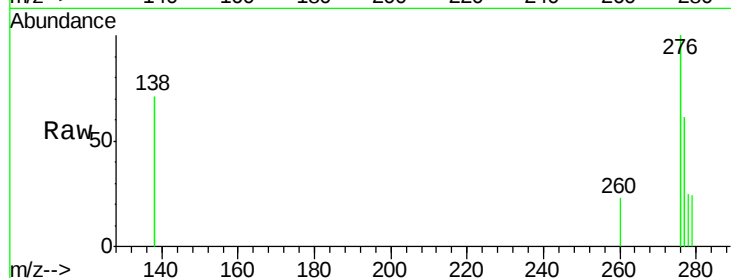
Acq: 7 Jan 2015 15:10

Instrument :

BNA_E

ClientSampleId :

Y9RC5



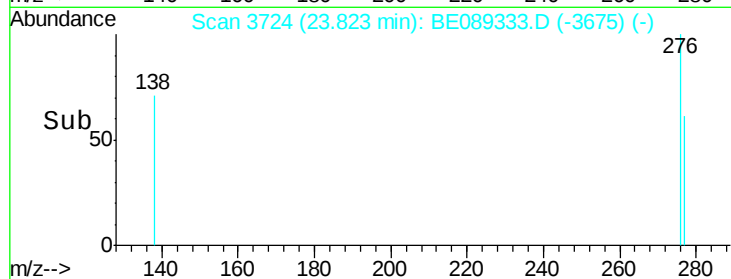
Tgt Ion: 276 Resp: 878

Ion Ratio Lower Upper

276 100

277 60.5 22.3 33.5#

138 71.4 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

