

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010915\
 Data File : BE089380.D
 Acq On : 9 Jan 2015 12:15
 Operator : TP/IZ
 Sample : G1029-02RX
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9R91RX

Quant Time: Jan 09 23:30:13 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 23:22:39 2015
 Response via : Initial Calibration

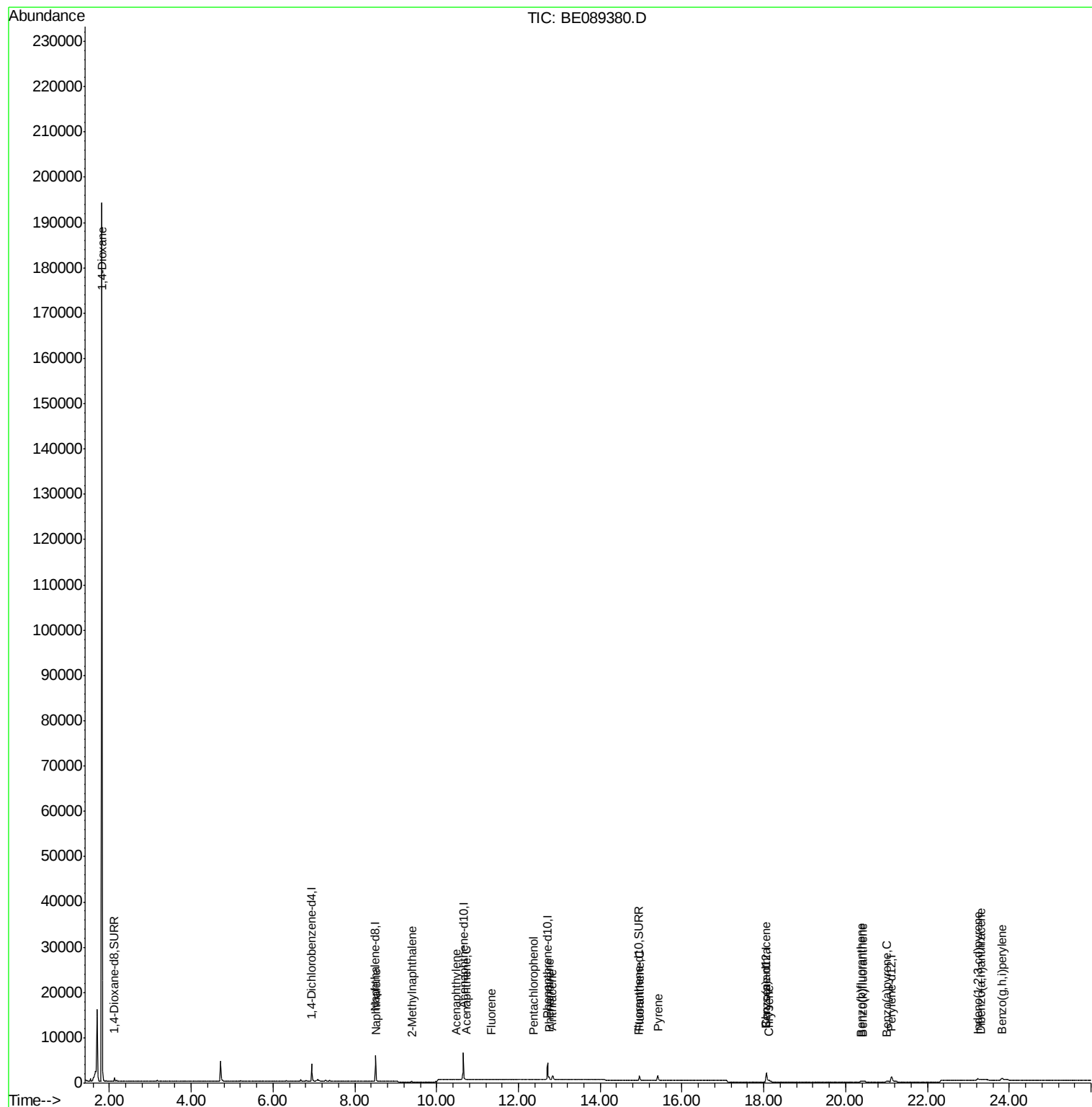
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1427	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	5738	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2898	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	4383	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2877	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2436	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.12	96	542	0.25	ng/uL	0.01
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.93	212	3	0.00	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	1.81	88	6072	2.54	ng/ul#	1
5) Naphthalene	8.53	128	129	0.01	ng/ul#	30
7) 2-Methylnaphthalene	9.39	142	48	0.01	ng/ul	92
9) Acenaphthylene	10.48	152	199	0.00	ng/ul#	1
10) Acenaphthene	10.73	153	102	0.00	ng/ul#	64
11) Fluorene	11.34	166	39	0.00	ng/ul#	67
13) Pentachlorophenol	12.37	266	2	0.00	ng/ul#	38
14) Phenanthrene	12.75	178	627	0.01	ng/ul#	37
15) Anthracene	12.83	178	1131	0.03	ng/ul#	62
17) Fluoranthene	14.96	202	1473	0.04	ng/ul	71
19) Pyrene	15.41	202	1591	0.04	ng/ul#	71
20) Benzo(a)anthracene	18.05	228	436	0.07	ng/ul#	79
21) Chrysene	18.13	228	444	0.06	ng/ul#	77
23) Benzo(b)fluoranthene	20.38	252	275	0.04	ng/ul#	50
24) Benzo(k)fluoranthene	20.43	252	442	0.06	ng/ul#	52
25) Benzo(a)pyrene	21.01	252	309	0.05	ng/ul#	46
26) Indeno(1,2,3-cd)pyrene	23.24	276	718	0.04	ng/ul	97
27) Dibenzo(a,h)anthracene	23.32	278	242	0.05	ng/ul#	38
28) Benzo(g,h,i)perylene	23.83	276	1246	0.05	ng/ul#	48

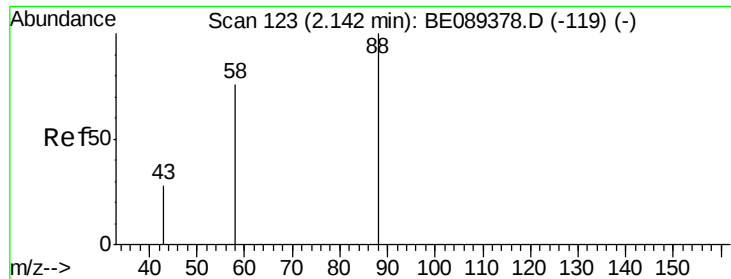
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.54 ng/ul

RT: 1.81 min Scan# 69

Delta R.T. -0.33 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampleId :

Y9R91RX

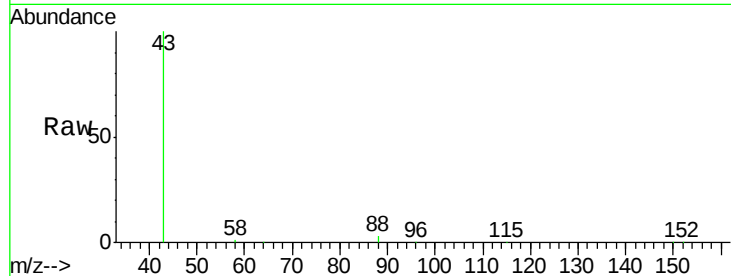
Tgt Ion: 88 Resp: 6072

Ion Ratio Lower Upper

88 100

58 30.1 61.5 92.3#

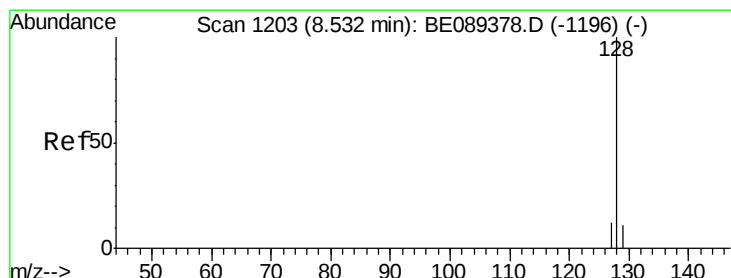
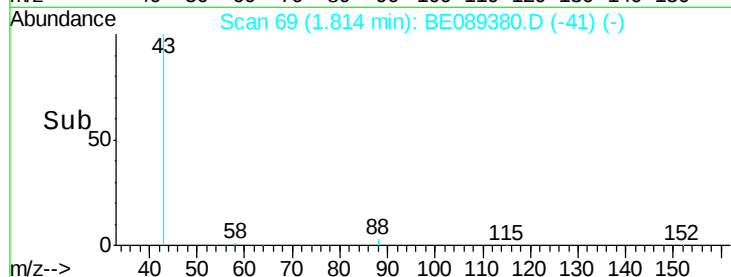
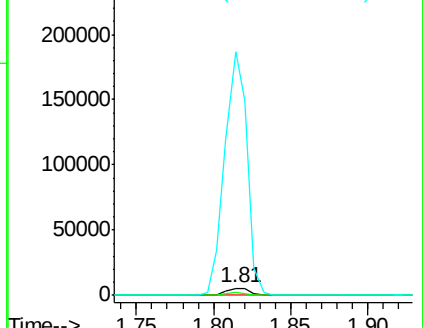
43 3080.3 23.9 35.9#



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: 8.53 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

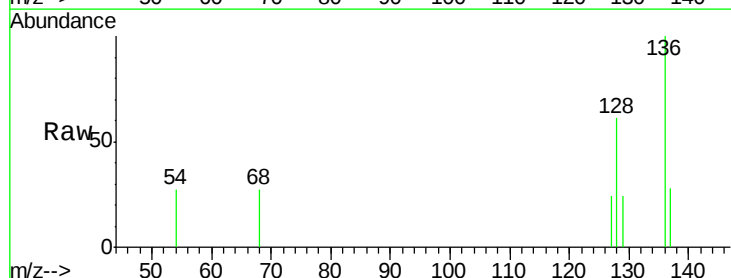
Tgt Ion: 128 Resp: 129

Ion Ratio Lower Upper

128 100

129 38.9 9.1 13.7#

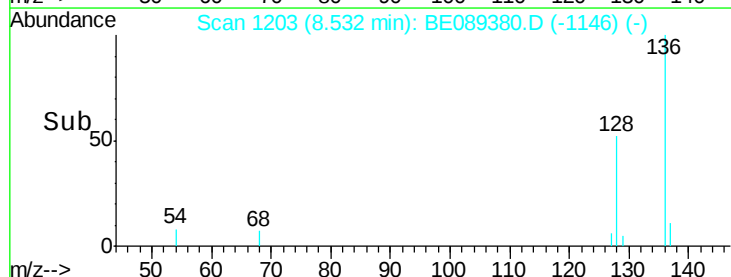
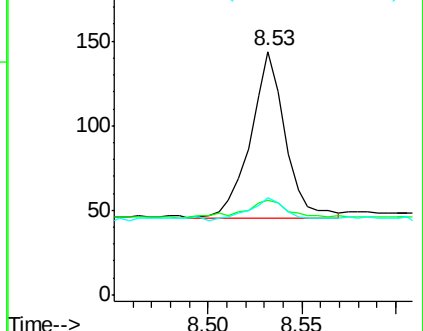
127 39.6 10.0 15.0#

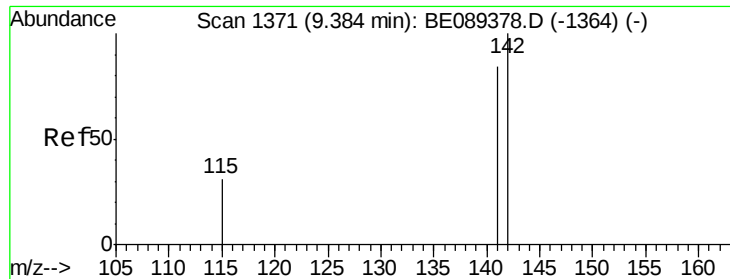


Abundance Ion 128.00 (127.70 to 128.70): E

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# 1371

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampleId :

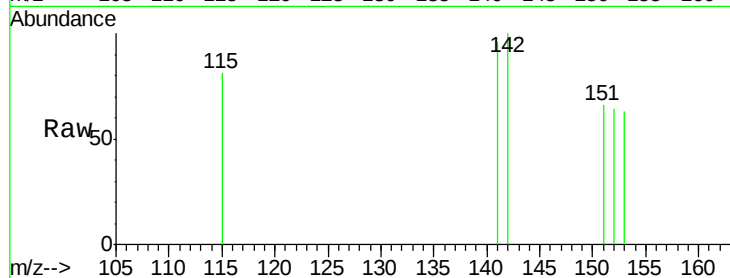
Y9R91RX

Tgt Ion:142 Resp: 48

Ion Ratio Lower Upper

142 100

141 75.0 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

80

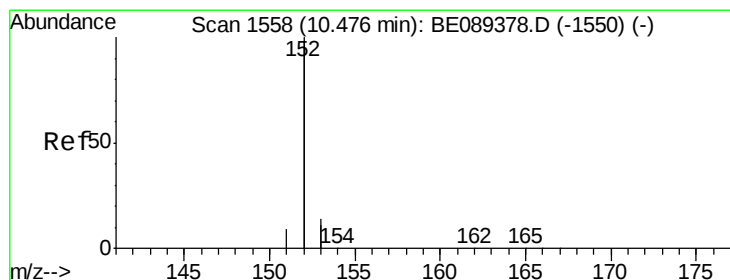
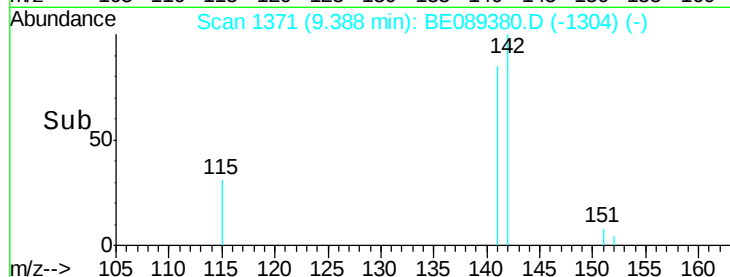
60

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. 0.01 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

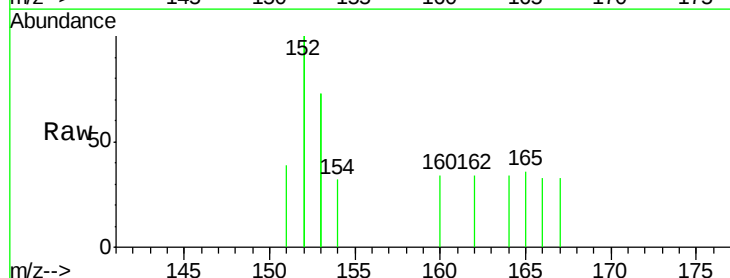
Tgt Ion:152 Resp: 199

Ion Ratio Lower Upper

152 100

151 19.3 4.0 6.0#

153 72.9 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

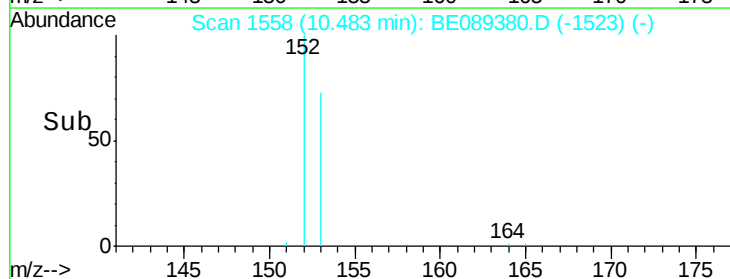
300

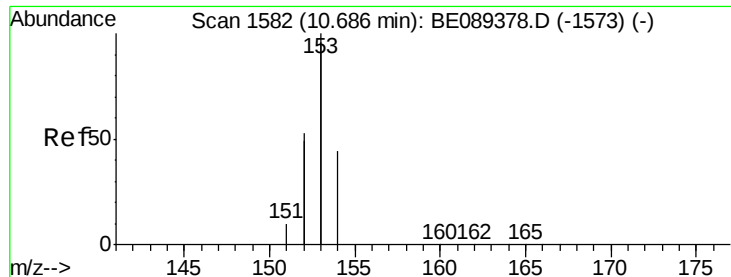
200

100

0

Time--> 10.40 10.50 10.60





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 10.73 min Scan# 1586

Delta R.T. 0.04 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampleId :

Y9R91RX

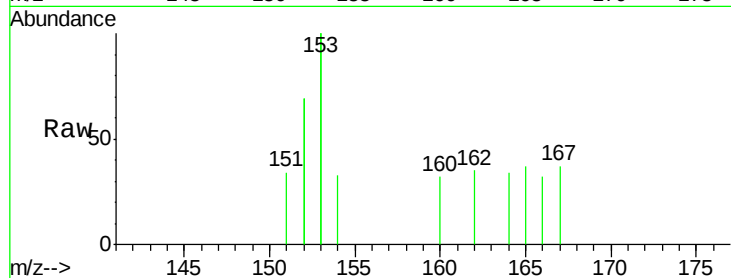
Tgt Ion:153 Resp: 102

Ion Ratio Lower Upper

153 100

152 69.3 32.6 49.0#

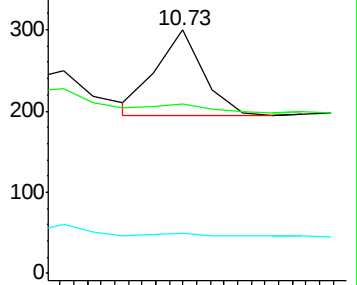
154 16.3 21.8 32.6#



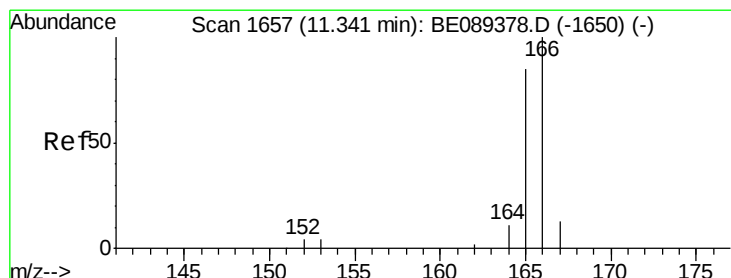
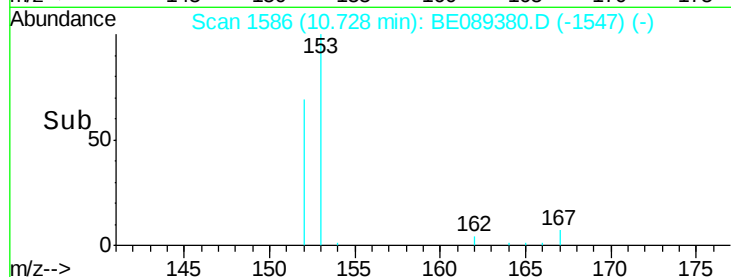
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#11

Fluorene

Concen: 0.00 ng/ul

RT: 11.34 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

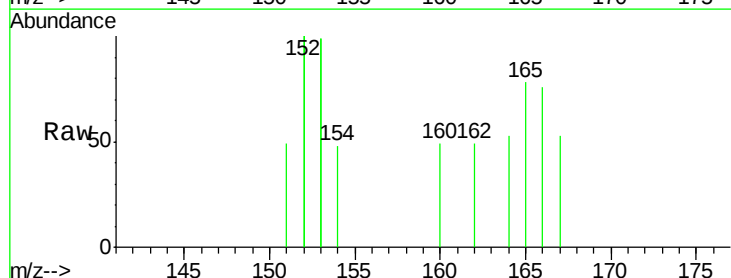
Tgt Ion:166 Resp: 39

Ion Ratio Lower Upper

166 100

165 102.8 70.3 105.5

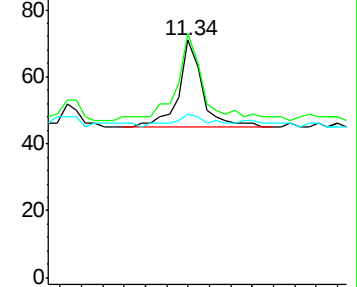
167 69.0 11.5 17.3#



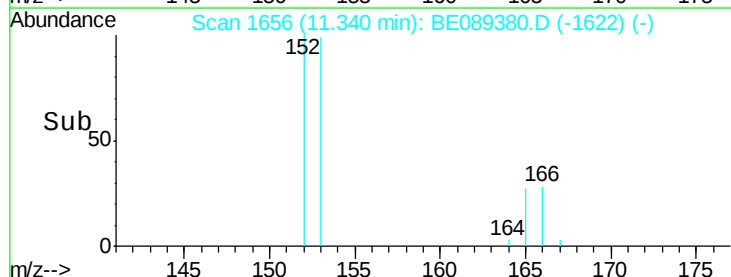
Abundance Ion 166.00 (165.70 to 166.70): E

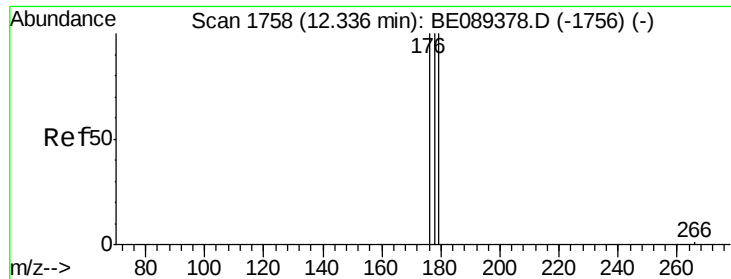
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 12.37 min Scan# 1760

Delta R.T. 0.04 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

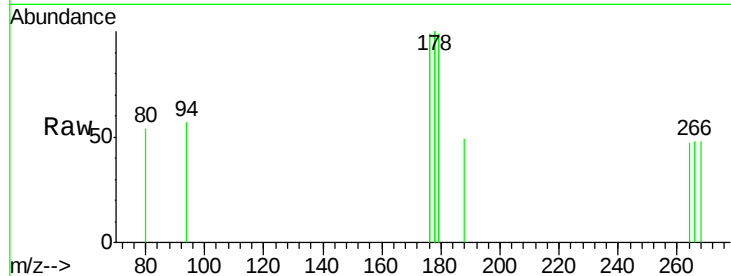
Instrument :

BNA_E

ClientSampleId :

Y9R91RX

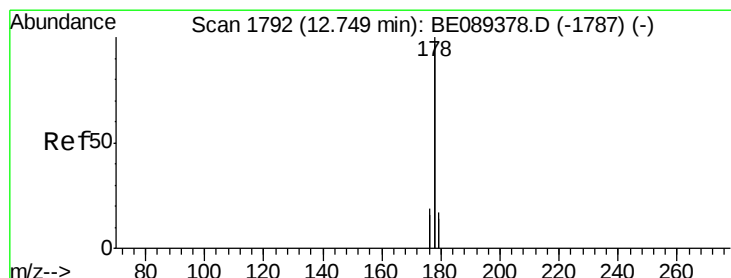
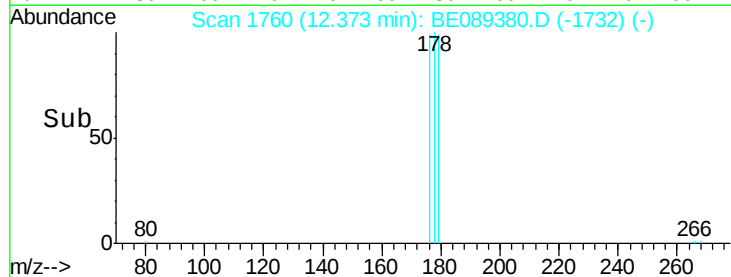
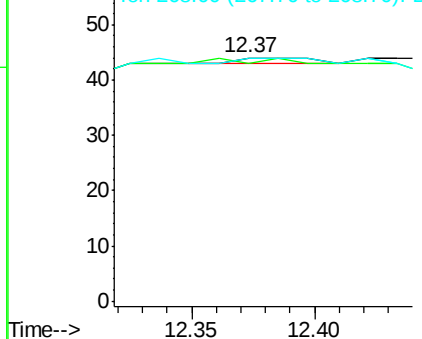
Tgt Ion:	266	Resp:	2
Ion	Ratio	Lower	Upper
266	100		
264	50.0	48.7	73.1
268	150.0	52.9	79.3#



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: 0.01 ng/ul

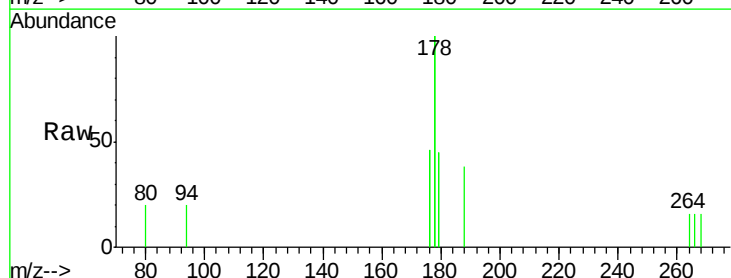
RT: 12.75 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

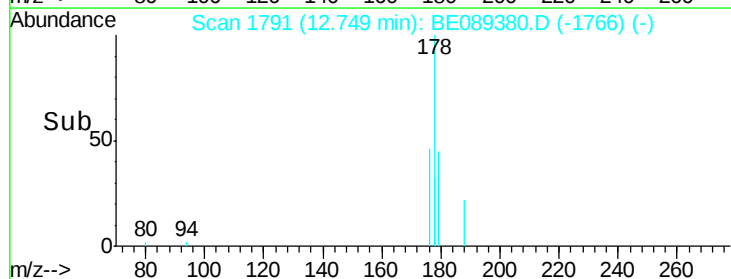
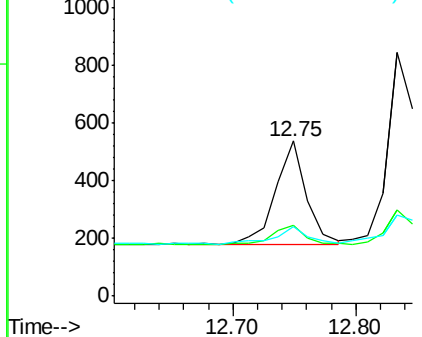
Tgt Ion:	178	Resp:	627
Ion	Ratio	Lower	Upper
178	100		
176	46.1	14.3	21.5#
179	44.6	13.8	20.8#

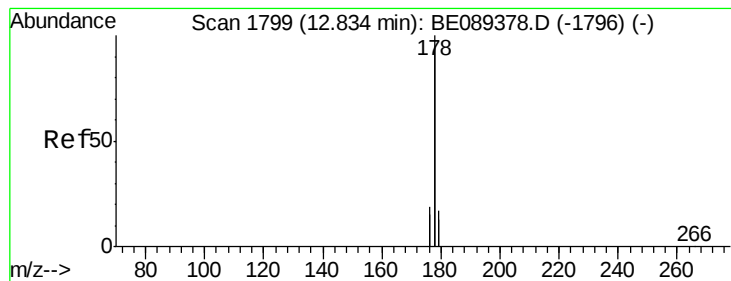


Abundance Ion 178.00 (177.70 to 178.70): E

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# 1798

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampleId :

Y9R91RX

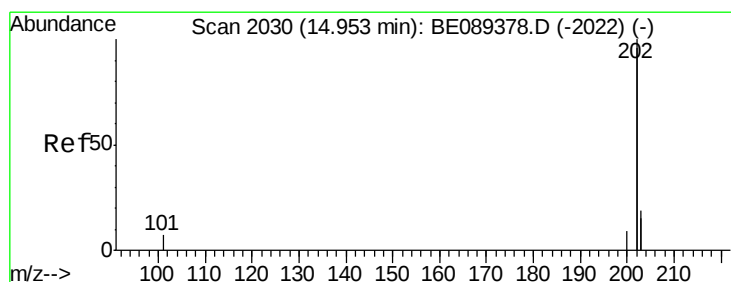
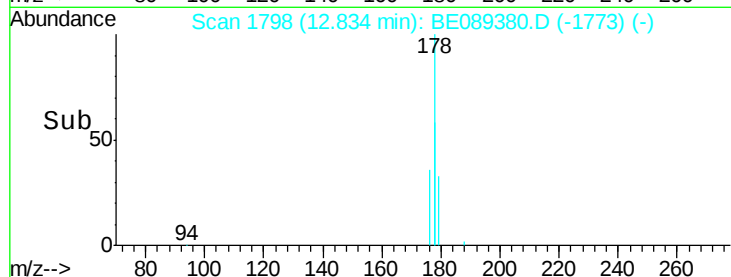
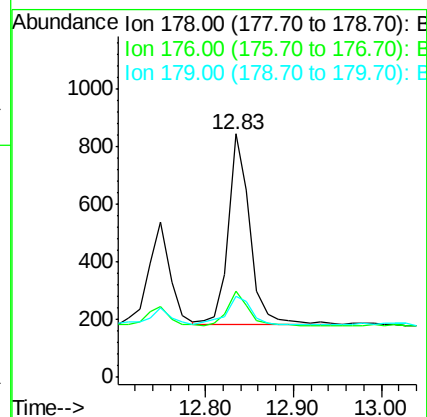
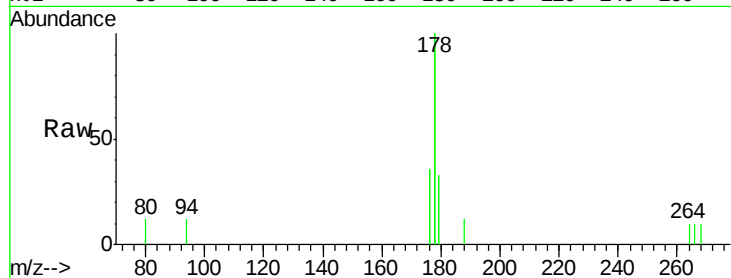
Tgt Ion:178 Resp: 1131

Ion Ratio Lower Upper

178 100

176 35.5 14.7 22.1#

179 33.4 13.4 20.2#



#17

Fluoranthene

Concen: 0.04 ng/ul

RT: 14.96 min Scan# 2030

Delta R.T. -0.03 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

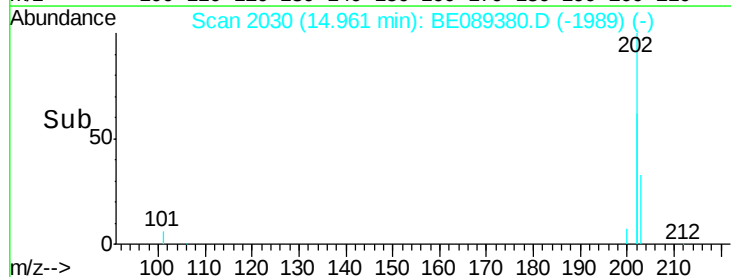
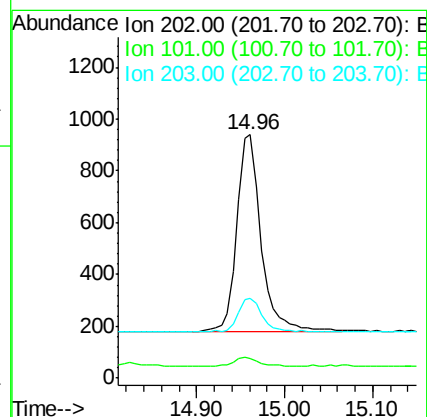
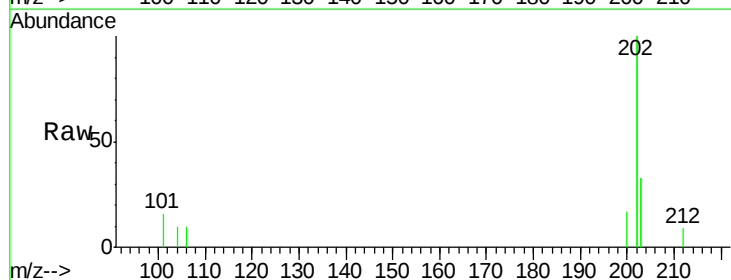
Tgt Ion:202 Resp: 1473

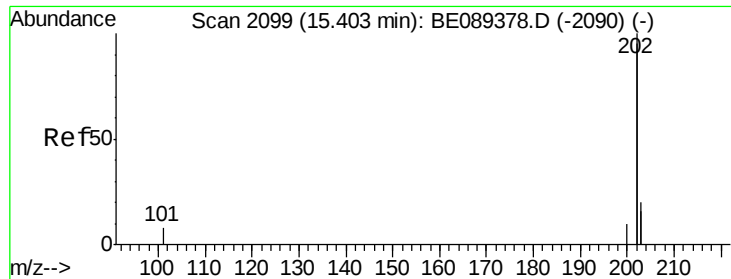
Ion Ratio Lower Upper

202 100

101 8.1 0.0 24.6

203 32.8 0.0 37.8





#19

Pyrene

Concen: 0.04 ng/ul

RT: 15.41 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampleId :

Y9R91RX

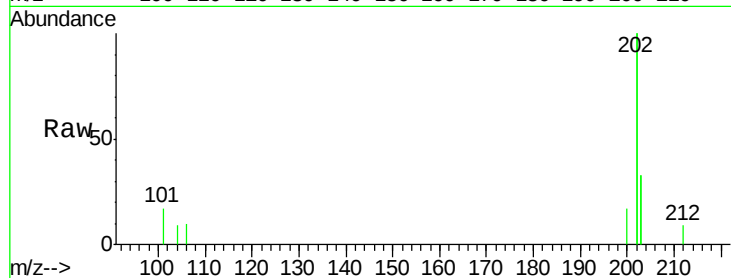
Tgt Ion:202 Resp: 1591

Ion Ratio Lower Upper

202 100

200 8.5 4.2 6.4#

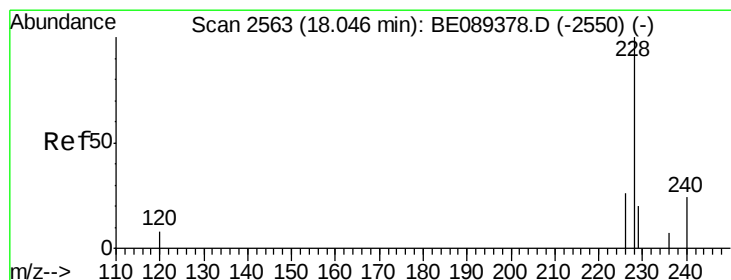
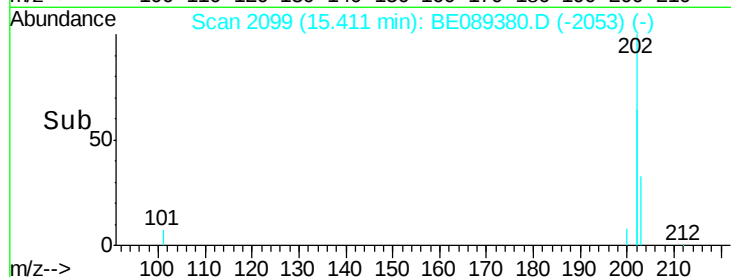
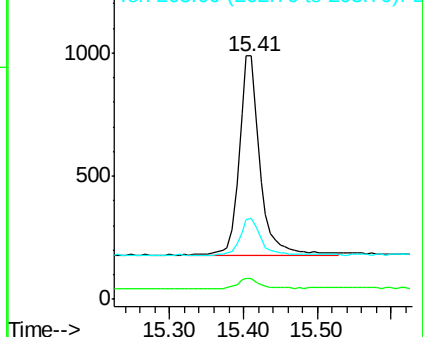
203 33.4 14.4 21.6#



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: 0.07 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

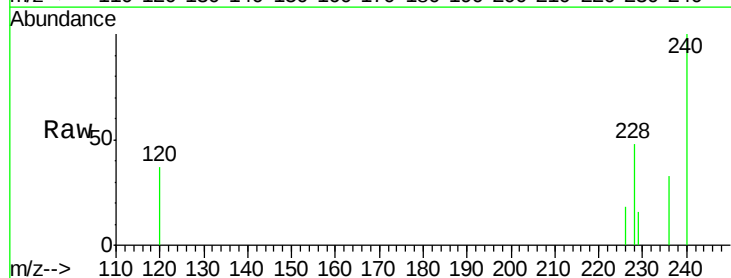
Tgt Ion:228 Resp: 436

Ion Ratio Lower Upper

228 100

226 36.8 21.9 32.9#

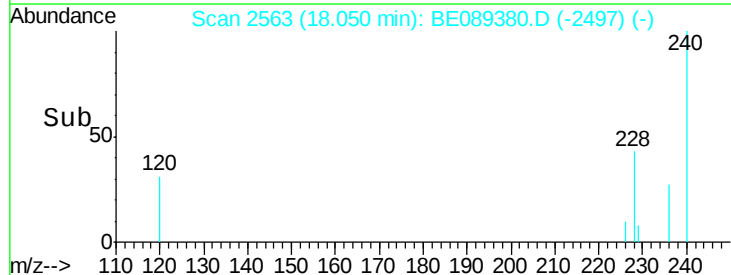
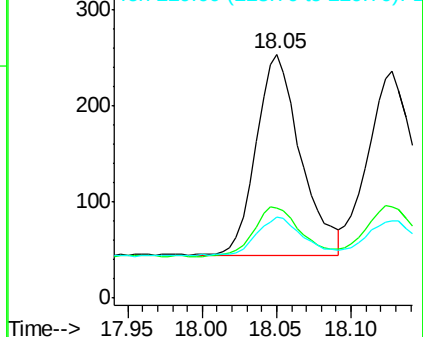
229 33.2 16.9 25.3#

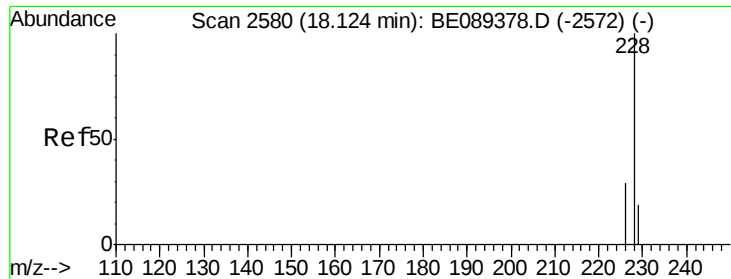


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.06 ng/ul

RT: 18.13 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampleId :

Y9R91RX

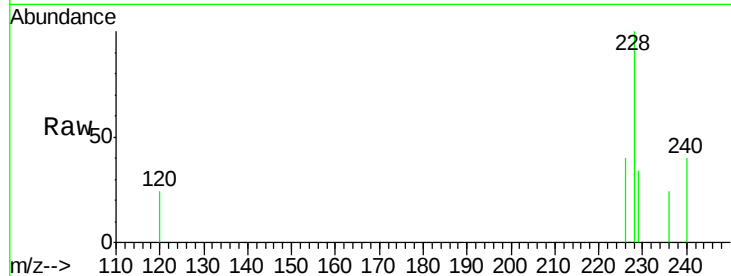
Tgt Ion:228 Resp: 444

Ion Ratio Lower Upper

228 100

226 40.4 23.9 35.9#

229 34.0 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

300

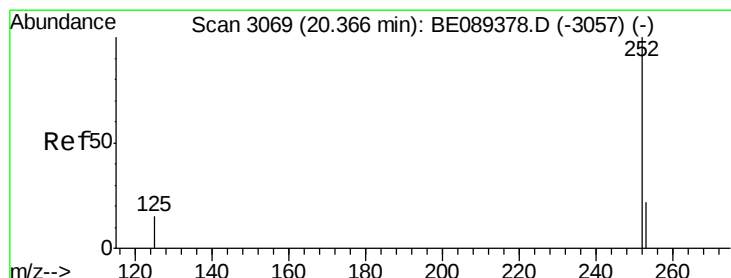
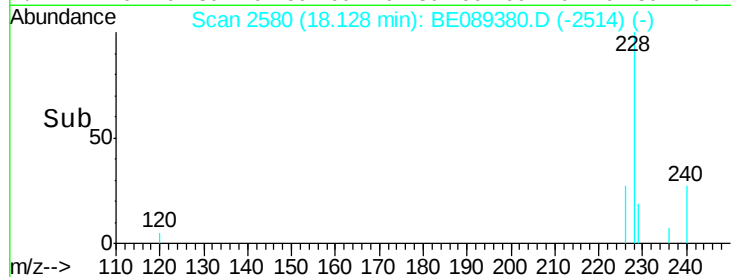
200

100

0

18.10 18.13 18.20

Time-->



#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 20.38 min Scan# 3070

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

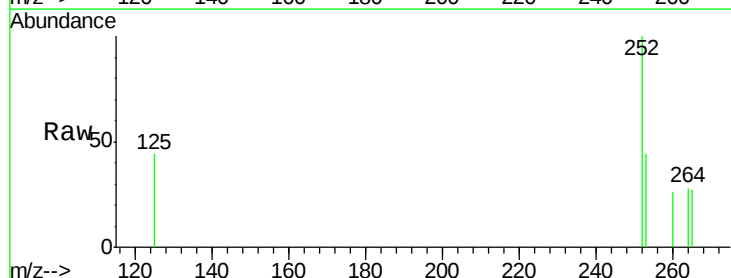
Tgt Ion:252 Resp: 275

Ion Ratio Lower Upper

252 100

253 44.0 0.0 47.8

125 44.0 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

200

150

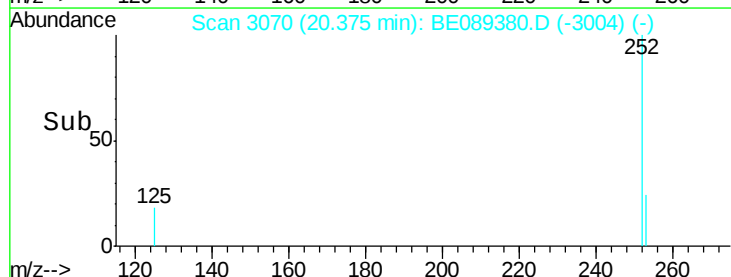
100

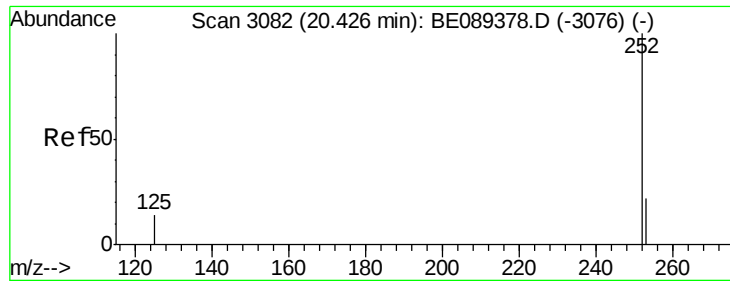
50

0

20.30 20.35 20.40

Time-->





#24

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 20.43 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampleId :

Y9R91RX

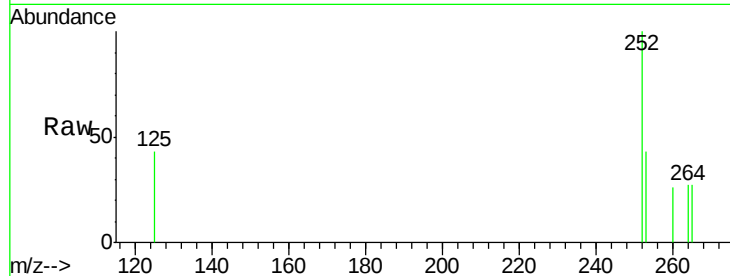
Tgt Ion:252 Resp: 442

Ion Ratio Lower Upper

252 100

253 42.9 19.0 28.6#

125 42.9 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

20.43

150

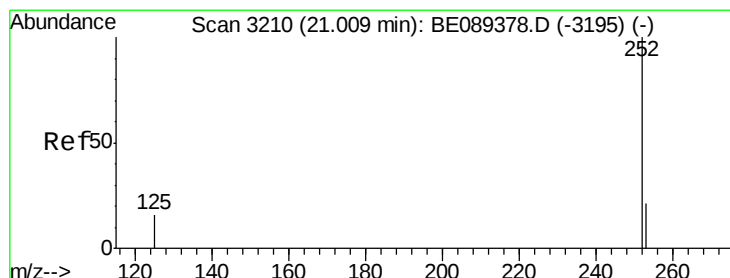
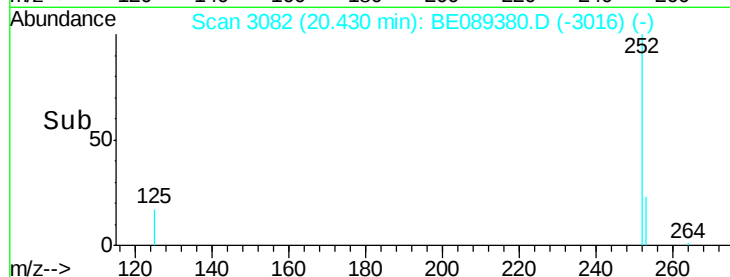
100

50

0

20.40 20.50 20.60

Time-->



#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

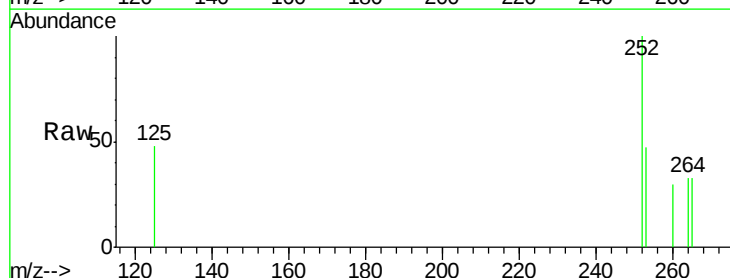
Tgt Ion:252 Resp: 309

Ion Ratio Lower Upper

252 100

253 46.8 19.7 29.5#

125 48.2 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

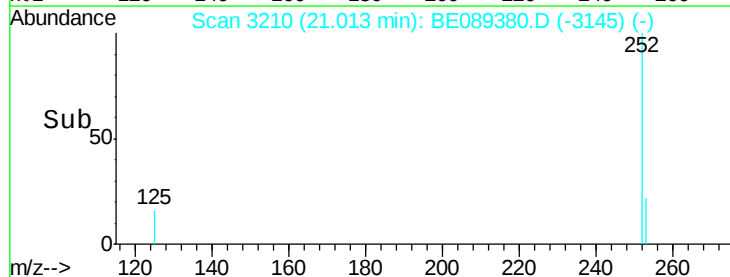
100

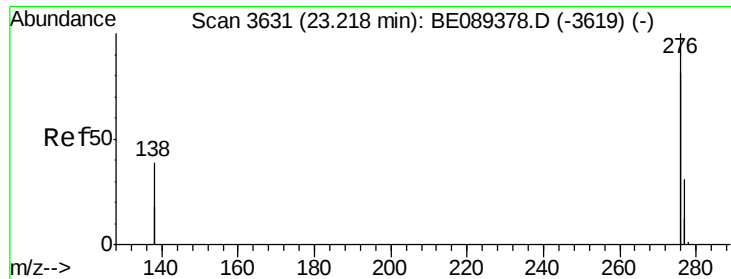
50

0

20.90 21.00 21.10

Time-->





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng/ul

RT: 23.24 min Scan# 3633

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampled :

Y9R91RX

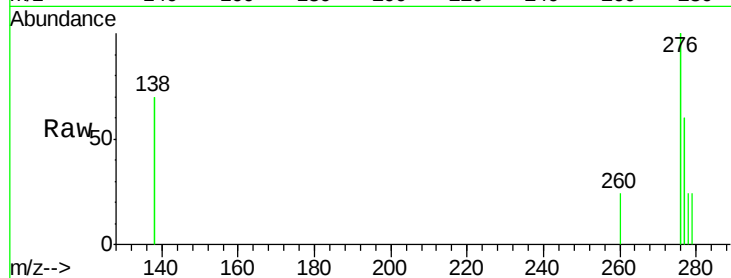
Tgt Ion: 276 Resp: 718

Ion Ratio Lower Upper

276 100

138 28.0 23.8 35.8

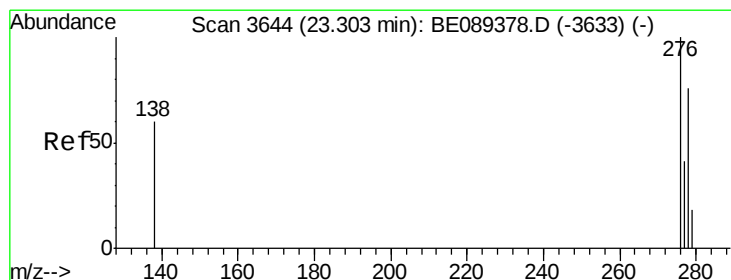
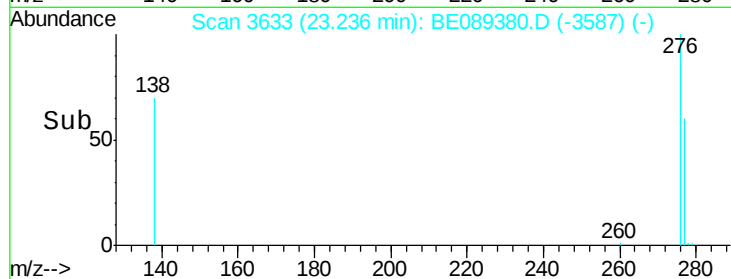
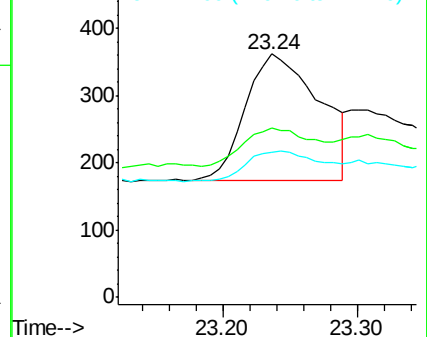
277 24.9 18.9 28.3



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: 0.05 ng/ul

RT: 23.32 min Scan# 3646

Delta R.T. 0.00 min

Lab File: BE089380.D

Acq: 9 Jan 2015 12:15

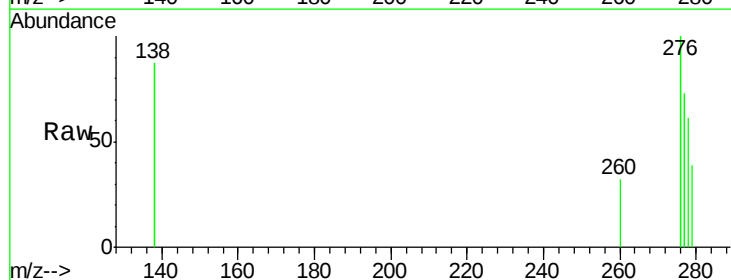
Tgt Ion: 278 Resp: 242

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

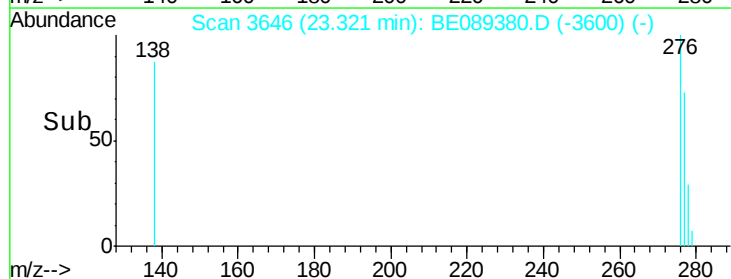
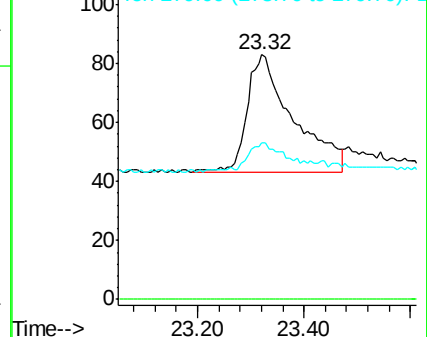
279 63.9 24.0 36.0#

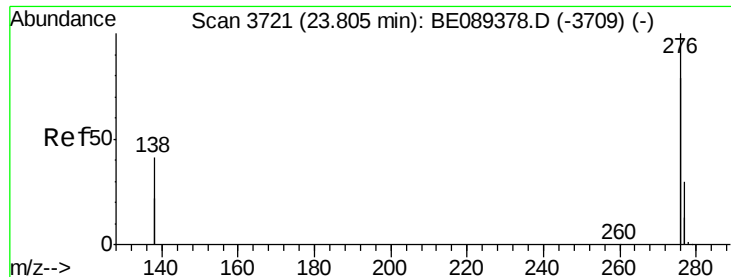


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.05 ng/ul

RT: 23.83 min Scan# 3724

Delta R.T. 0.00 min

Lab File: BE089380.D

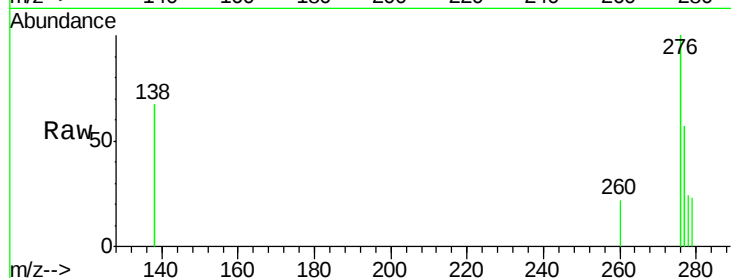
Acq: 9 Jan 2015 12:15

Instrument :

BNA_E

ClientSampleId :

Y9R91RX



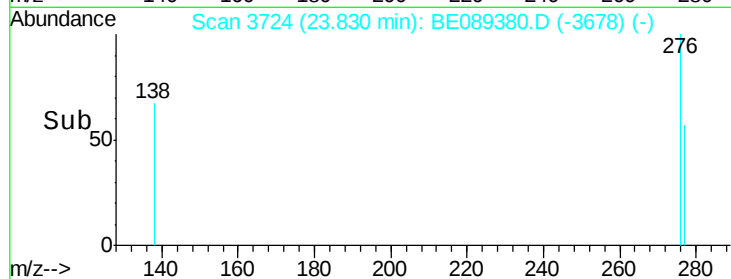
Tgt Ion: 276 Resp: 1246

Ion Ratio Lower Upper

276 100

277 56.9 22.3 33.5#

138 67.2 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

23.83

400

300

200

100

0

23.80

24.00

Time-->