

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010915\
 Data File : BE089384.D
 Acq On : 9 Jan 2015 15:08
 Operator : TP/IZ
 Sample : G1029-05RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RA7RX

Quant Time: Jan 09 23:54:30 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	1372	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	5515	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2772	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	4246	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	2761	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2341	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.12	96	565	0.27	ng/uL	0.02
6) 2-Methylnaphthalene-d10	9.08	152	148	0.02	ng/ul	0.00
16) Fluoranthene-d10	14.78	212	9	0.00	ng/ul	-0.12

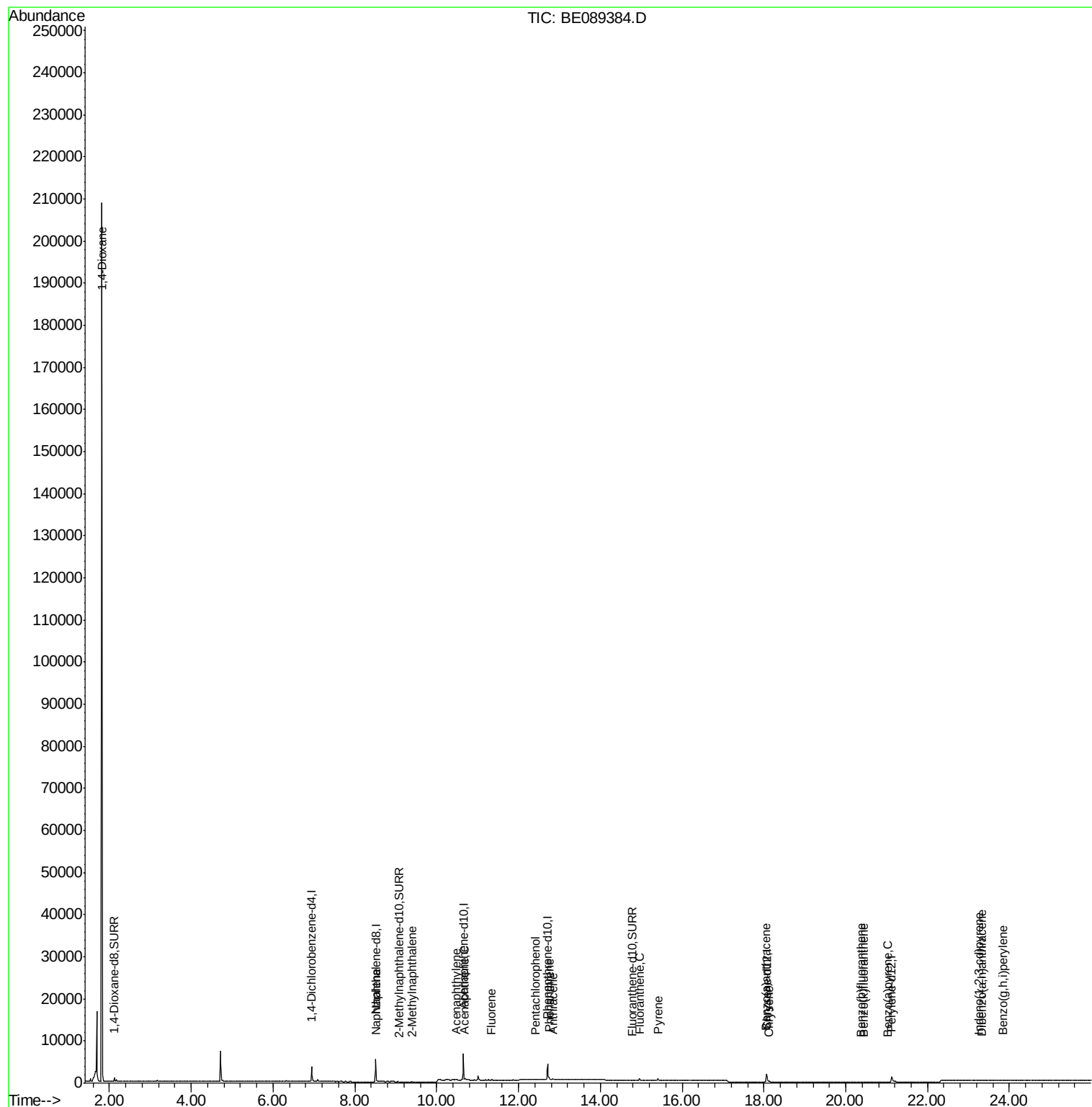
Target Compounds				Qvalue		
3) 1,4-Dioxane	1.82	88	6345	2.76	ng/ul#	1
5) Naphthalene	8.53	128	156	0.01	ng/ul#	36
7) 2-Methylnaphthalene	9.39	142	64	0.01	ng/ul	90
9) Acenaphthylene	10.48	152	301	0.01	ng/ul#	5
10) Acenaphthene	10.69	153	218	0.01	ng/ul#	58
11) Fluorene	11.34	166	62	0.01	ng/ul#	70
13) Pentachlorophenol	12.41	266	1	0.00	ng/ul#	40
14) Phenanthrene	12.75	178	605	0.01	ng/ul#	38
15) Anthracene	12.83	178	474	0.01	ng/ul#	17
17) Fluoranthene	14.96	202	626	0.02	ng/ul#	42
19) Pyrene	15.41	202	675	0.02	ng/ul#	44
20) Benzo(a)anthracene	18.05	228	113	0.02	ng/ul#	32
21) Chrysene	18.13	228	114	0.02	ng/ul#	32
23) Benzo(b)fluoranthene	20.38	252	72	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	20.44	252	77	0.01	ng/ul#	1
25) Benzo(a)pyrene	21.02	252	67	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.25	276	144	0.01	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.34	278	45	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	23.85	276	264	0.01	ng/ul#	5

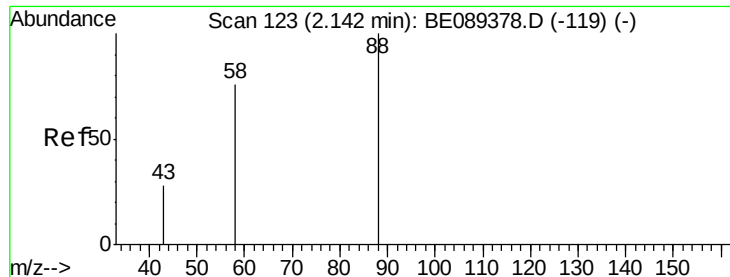
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.76 ng/ul

RT: 1.82 min Scan# 69

Delta R.T. 0.01 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

Instrument :

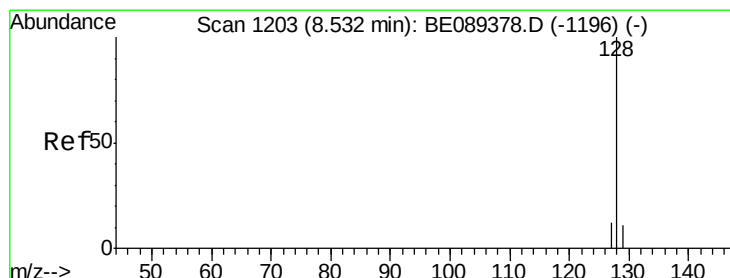
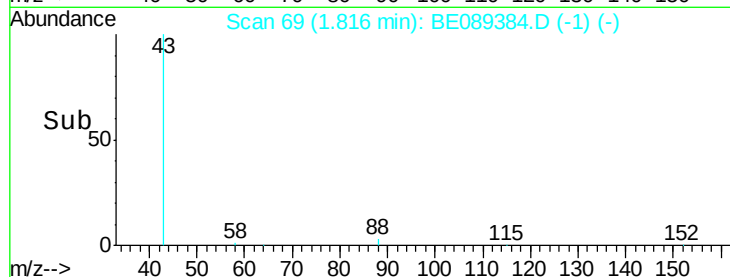
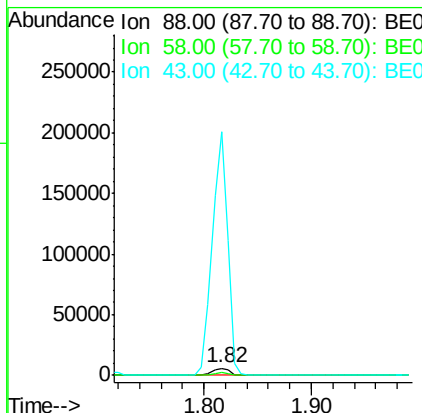
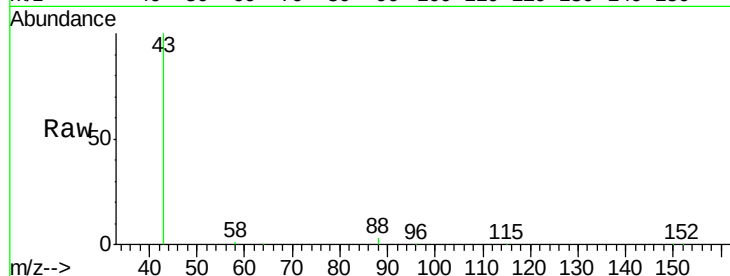
BNA_E

ClientSampleId :

Y9RA7RX

Tgt Ion: 88 Resp: 6345

Ion	Ratio	Lower	Upper
88	100		
58	29.8	61.5	92.3#
43	3066.2	23.9	35.9#



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.53 min Scan# 1203

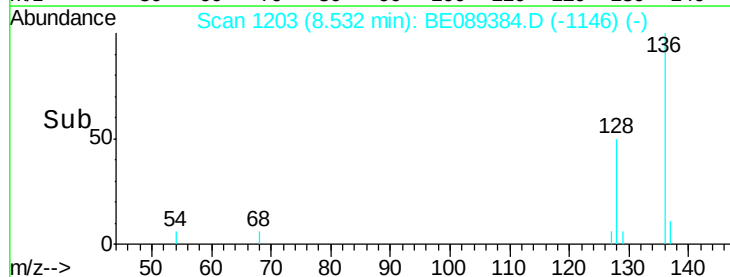
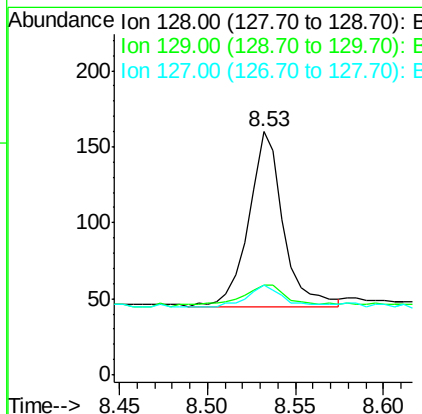
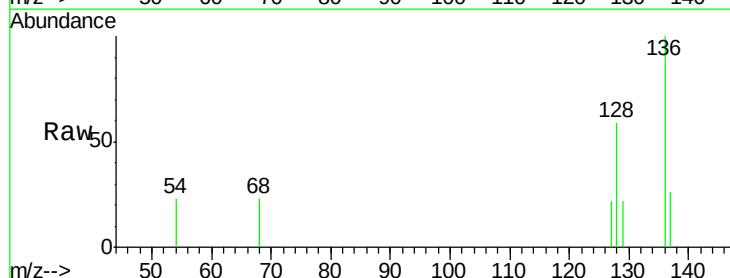
Delta R.T. 0.00 min

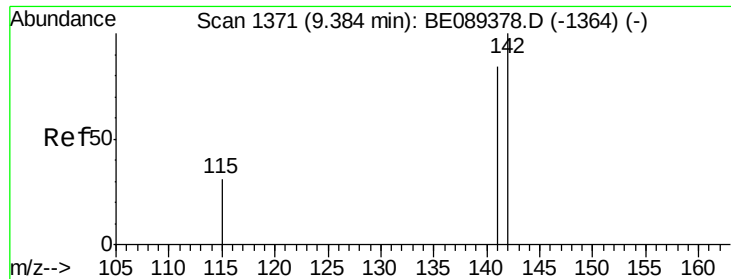
Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

Tgt Ion: 128 Resp: 156

Ion	Ratio	Lower	Upper
128	100		
129	36.9	9.1	13.7#
127	36.9	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: BE089384.D

Acq: 9 Jan 2015 15:08

Instrument :

BNA_E

ClientSampleId :

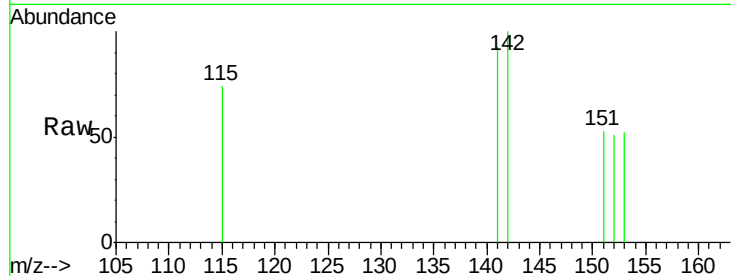
Y9RA7RX

Tgt Ion:142 Resp: 64

Ion Ratio Lower Upper

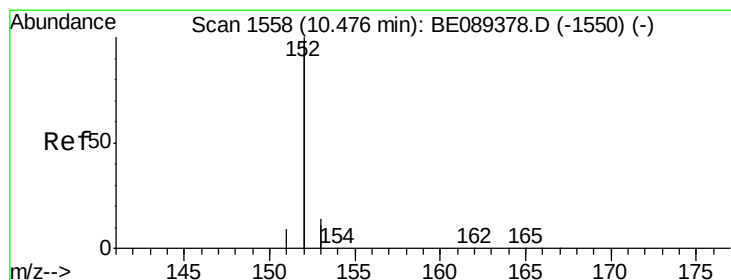
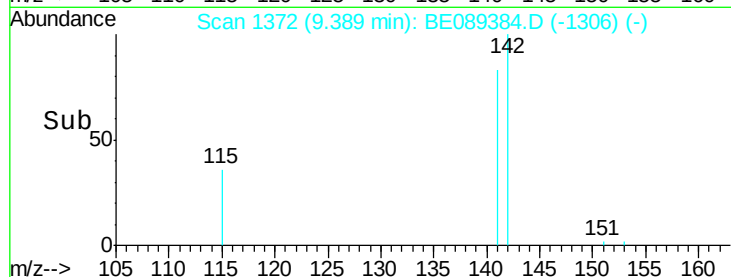
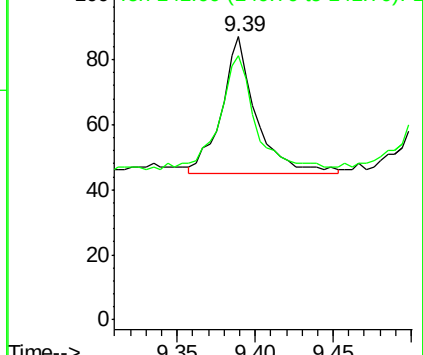
142 100

141 90.6 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: BE089384.D

Acq: 9 Jan 2015 15:08

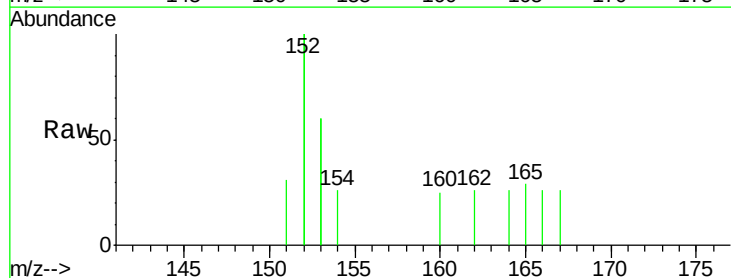
Tgt Ion:152 Resp: 301

Ion Ratio Lower Upper

152 100

151 15.5 4.0 6.0#

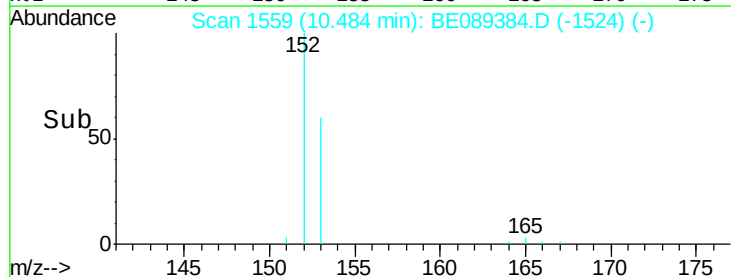
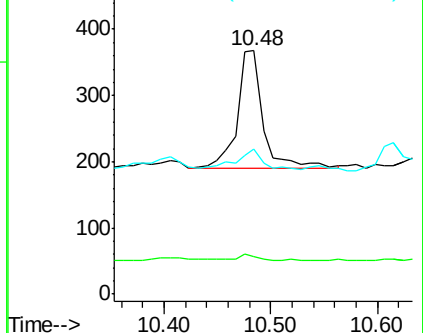
153 59.8 10.1 15.1#

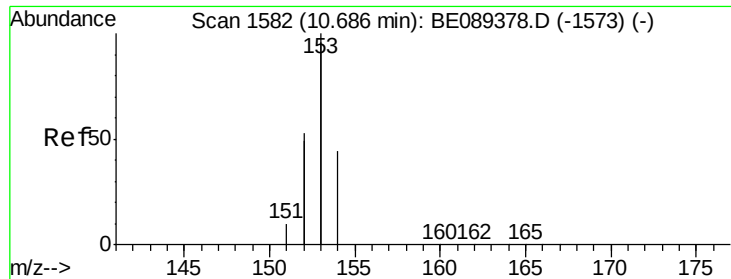


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 10.69 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

Instrument :

BNA_E

ClientSampleId :

Y9RA7RX

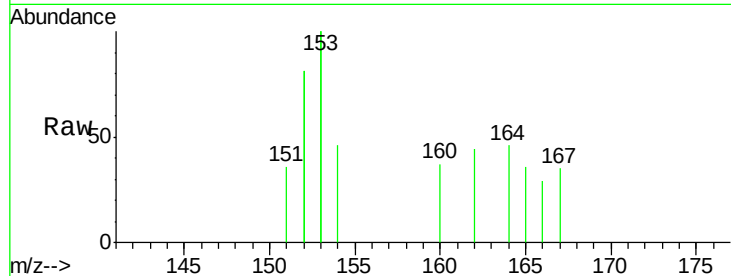
Tgt Ion:153 Resp: 218

Ion Ratio Lower Upper

153 100

152 81.3 32.6 49.0#

154 22.8 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

10.69

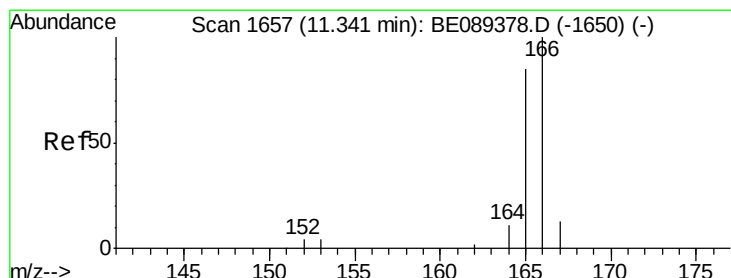
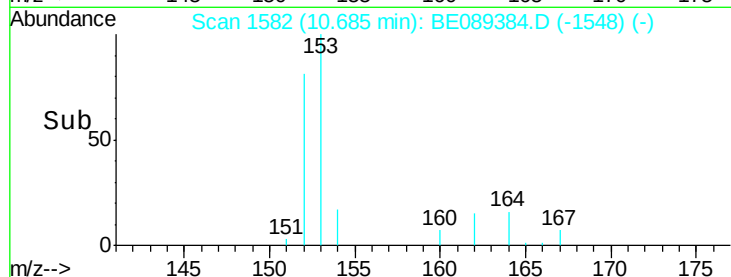
300

200

100

0

Time-->



#11

Fluorene

Concen: 0.01 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

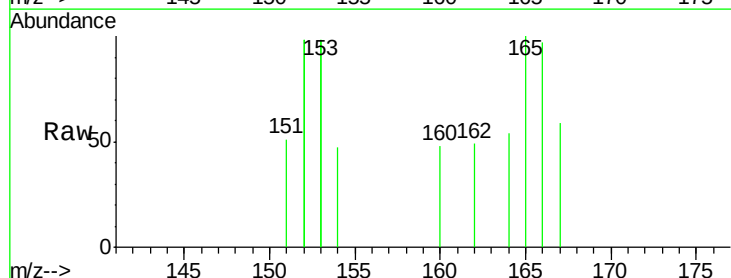
Tgt Ion:166 Resp: 62

Ion Ratio Lower Upper

166 100

165 103.2 70.3 105.5

167 61.3 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

11.34

120

100

80

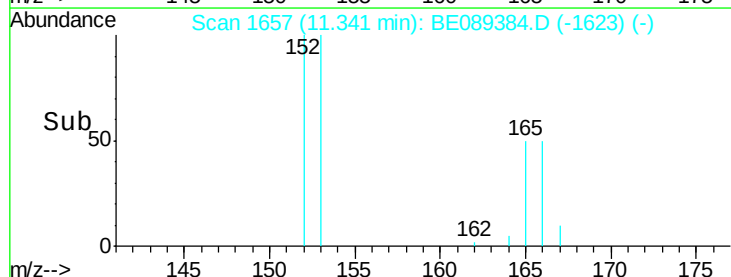
60

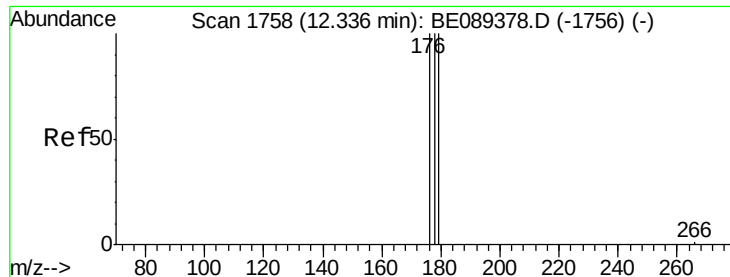
40

20

0

Time-->

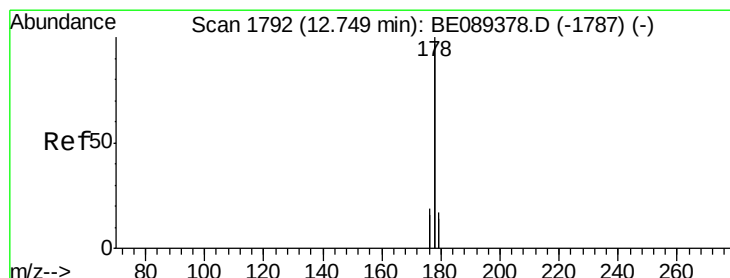
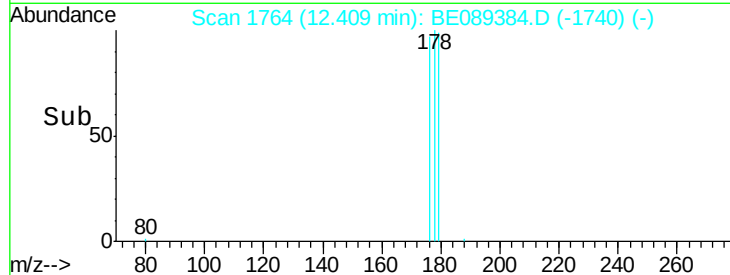
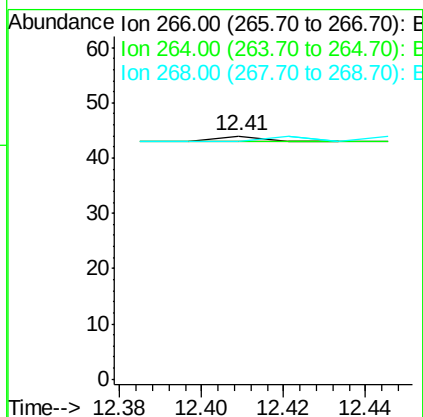
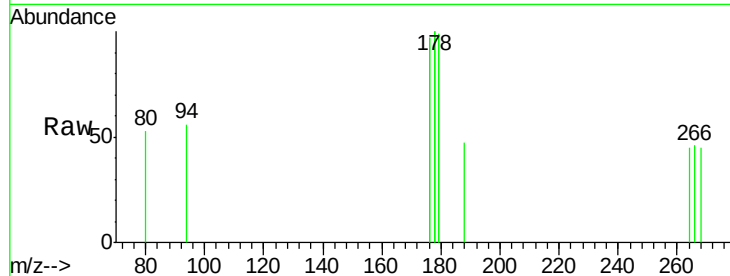




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 12.41 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BE089384.D
 Acq: 9 Jan 2015 15:08

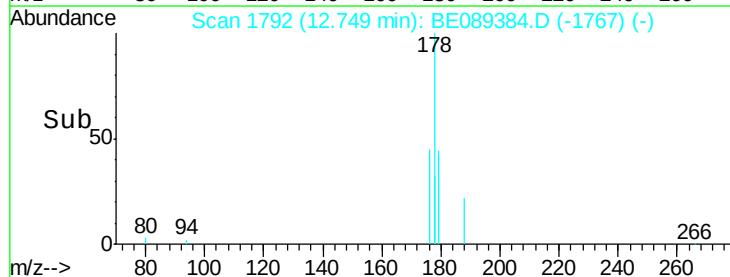
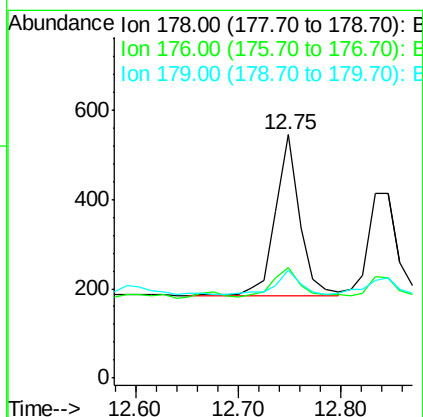
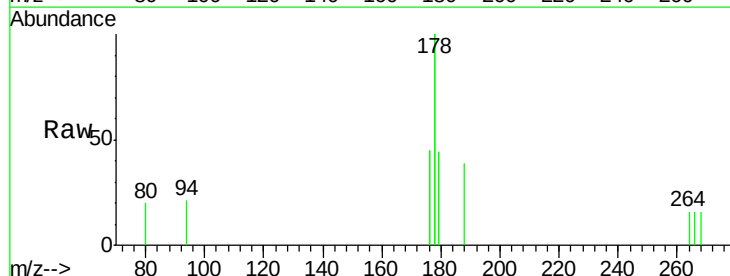
Instrument :
 BNA_E
 ClientSampleId :
 Y9RA7RX

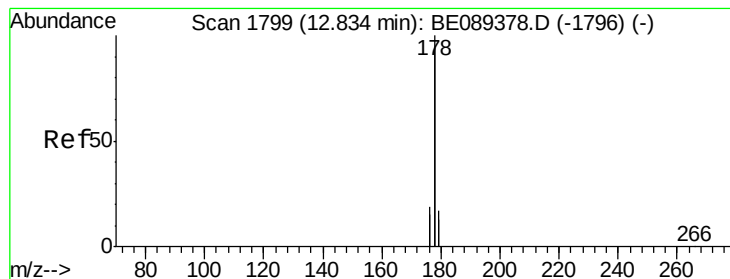
Tgt Ion: 266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 264 0.0 48.7 73.1#
 268 100.0 52.9 79.3#



#14
 Phenanthrene
 Concen: 0.01 ng/ul
 RT: 12.75 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BE089384.D
 Acq: 9 Jan 2015 15:08

Tgt Ion: 178 Resp: 605
 Ion Ratio Lower Upper
 178 100
 176 45.2 14.3 21.5#
 179 44.5 13.8 20.8#





#15

Anthracene

Concen: 0.01 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

Instrument :

BNA_E

ClientSampleId :

Y9RA7RX

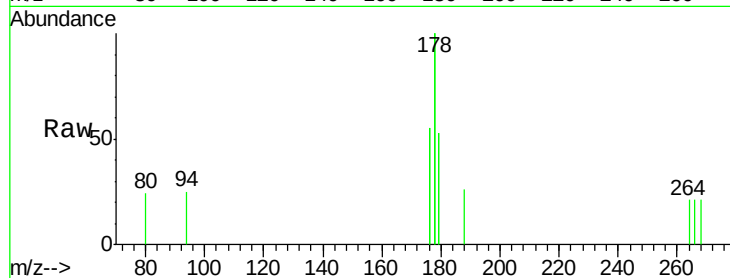
Tgt Ion:178 Resp: 474

Ion Ratio Lower Upper

178 100

176 54.9 14.7 22.1#

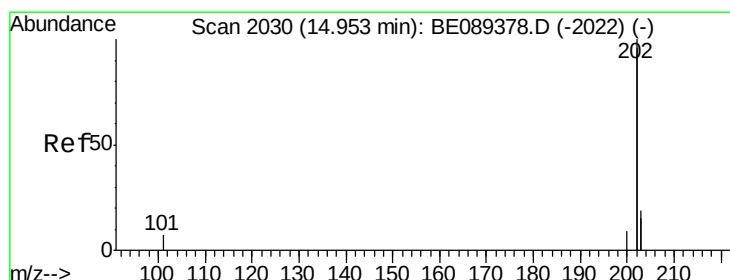
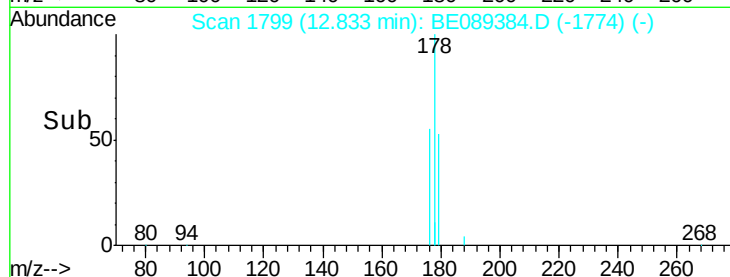
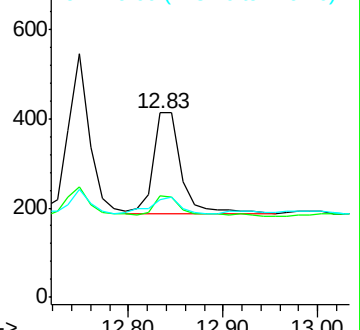
179 53.4 13.4 20.2#



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: 0.02 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

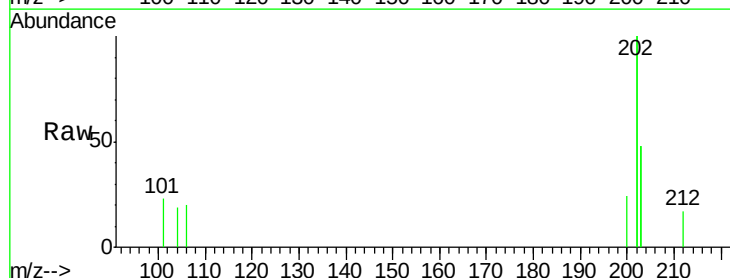
Tgt Ion:202 Resp: 626

Ion Ratio Lower Upper

202 100

101 11.6 0.0 24.6

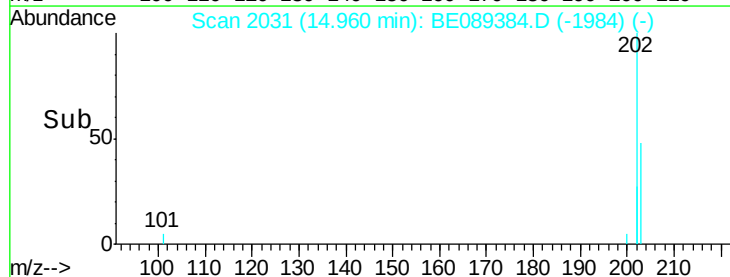
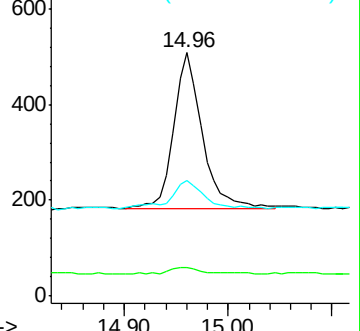
203 47.6 0.0 37.8#

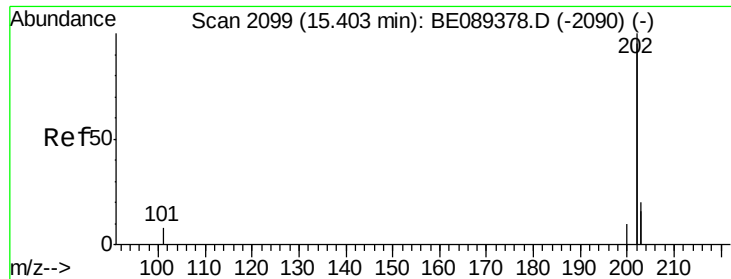


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

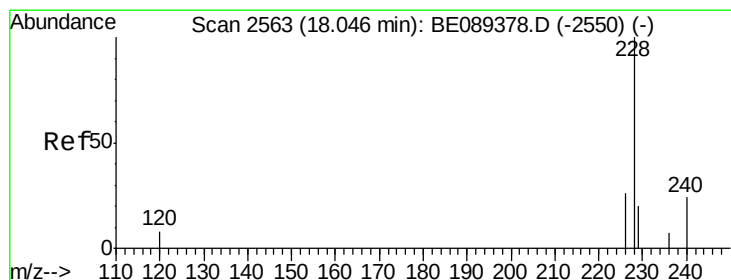
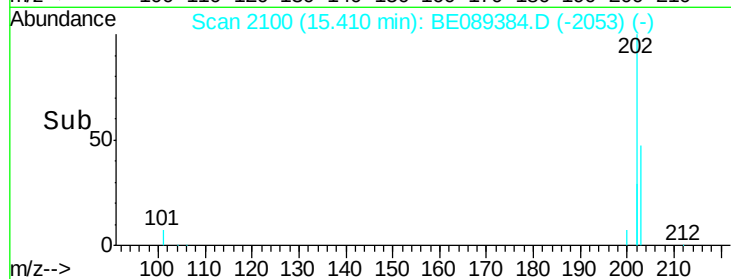
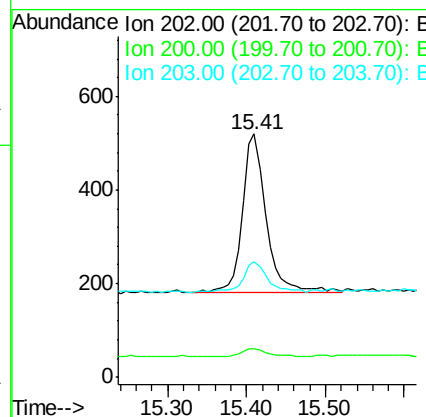
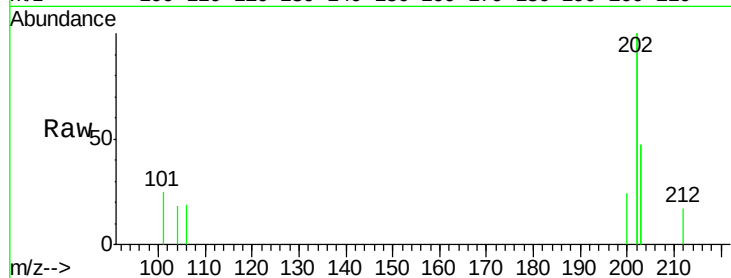




#19
Pyrene
Concen: 0.02 ng/ul
RT: 15.41 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BE089384.D
Acq: 9 Jan 2015 15:08

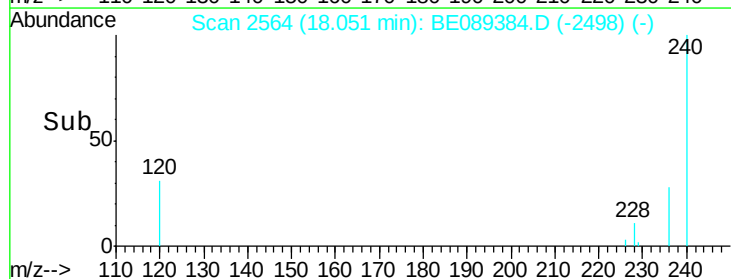
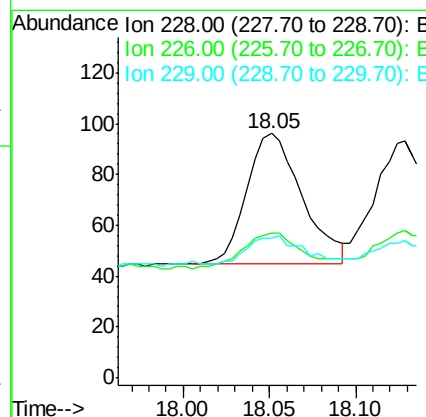
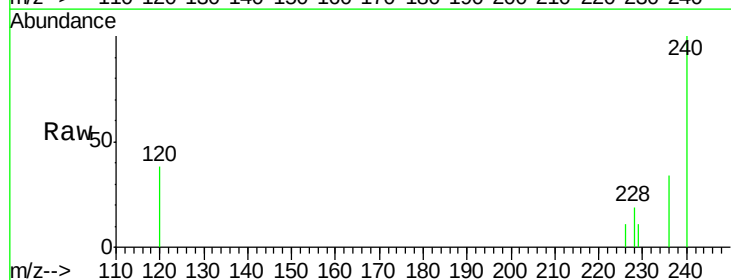
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Y9RA7RX

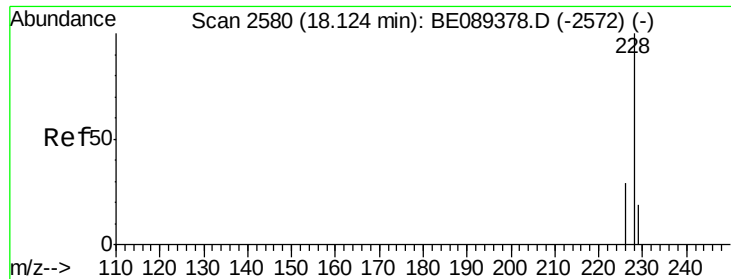
Tgt Ion:202 Resp: 675
Ion Ratio Lower Upper
202 100
200 11.9 4.2 6.4#
203 47.3 14.4 21.6#



#20
Benzo(a)anthracene
Concen: 0.02 ng/ul
RT: 18.05 min Scan# 2564
Delta R.T. 0.00 min
Lab File: BE089384.D
Acq: 9 Jan 2015 15:08

Tgt Ion:228 Resp: 113
Ion Ratio Lower Upper
228 100
226 59.4 21.9 32.9#
229 57.3 16.9 25.3#





#21

Chrysene

Concen: 0.02 ng/ul

RT: 18.13 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

Instrument :

BNA_E

ClientSampleId :

Y9RA7RX

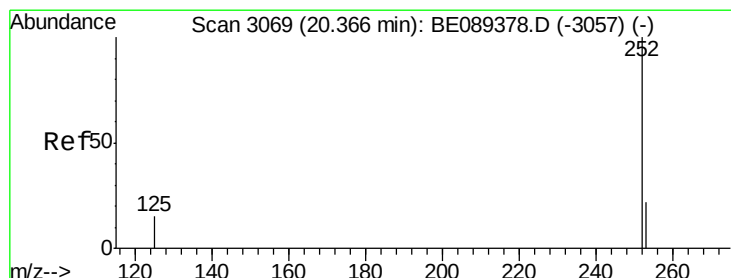
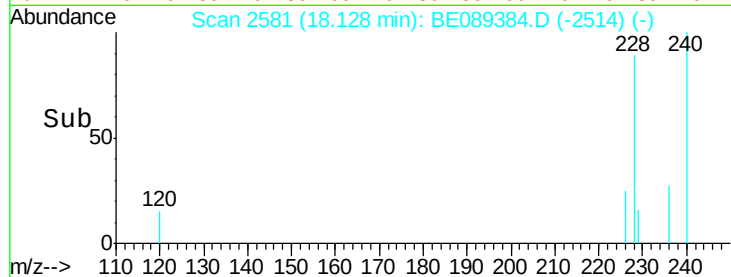
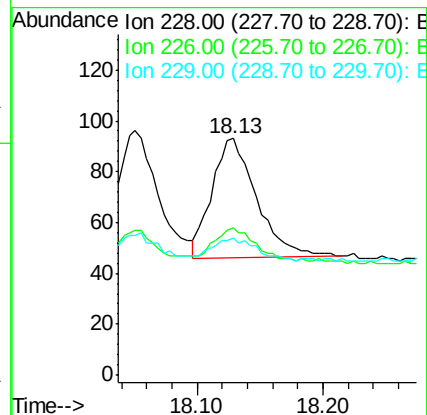
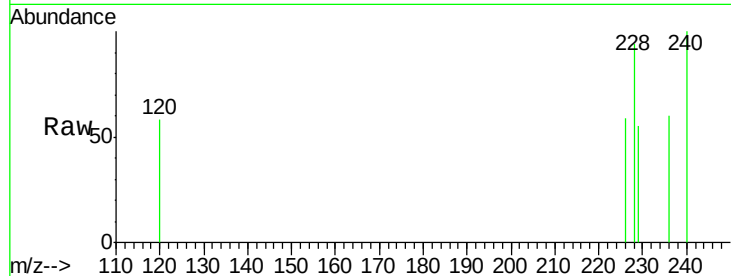
Tgt Ion:228 Resp: 114

Ion Ratio Lower Upper

228 100

226 62.4 23.9 35.9#

229 58.1 16.8 25.2#



#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 20.38 min Scan# 3072

Delta R.T. 0.01 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

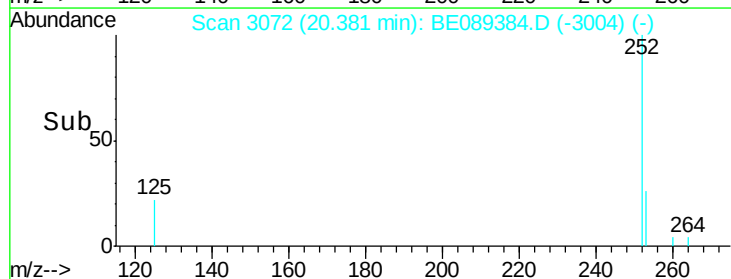
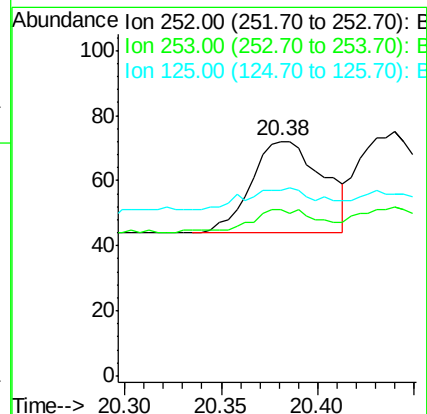
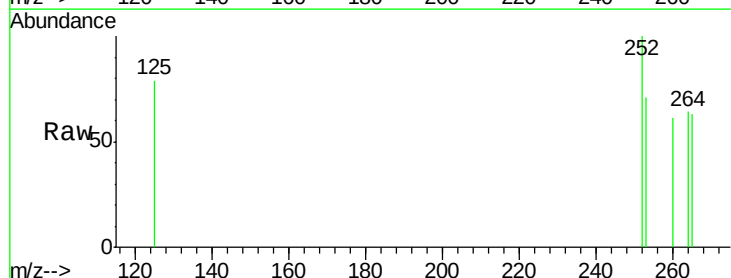
Tgt Ion:252 Resp: 72

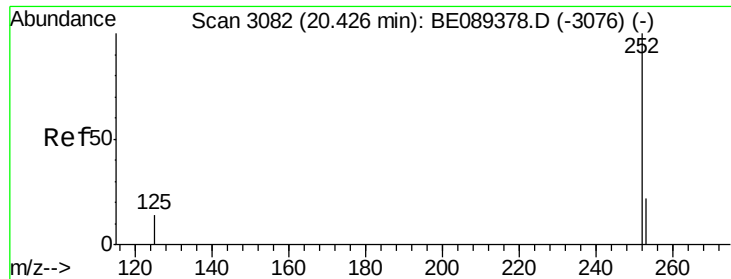
Ion Ratio Lower Upper

252 100

253 70.8 0.0 47.8#

125 79.2 0.0 34.2#





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 20.44 min Scan# 3085

Delta R.T. 0.01 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

Instrument :

BNA_E

ClientSampleId :

Y9RA7RX

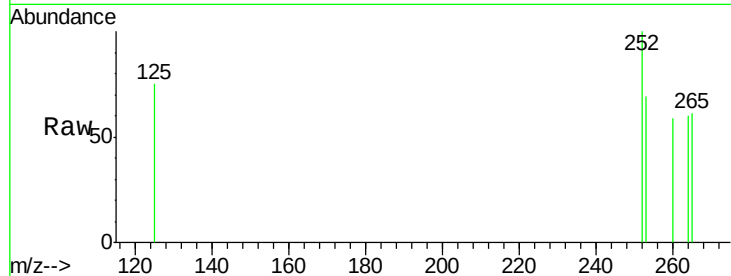
Tgt Ion:252 Resp: 77

Ion Ratio Lower Upper

252 100

253 69.3 19.0 28.6#

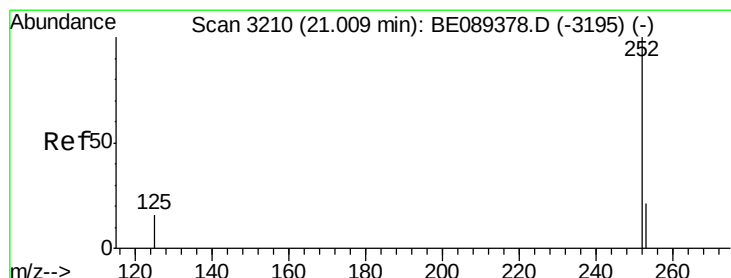
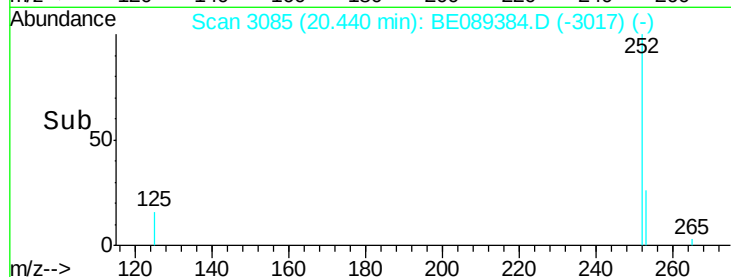
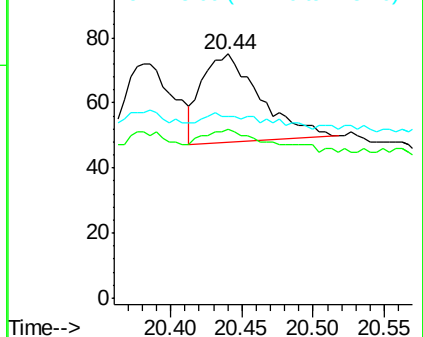
125 74.7 13.5 20.3#



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: 0.01 ng/ul

RT: 21.02 min Scan# 3212

Delta R.T. 0.01 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

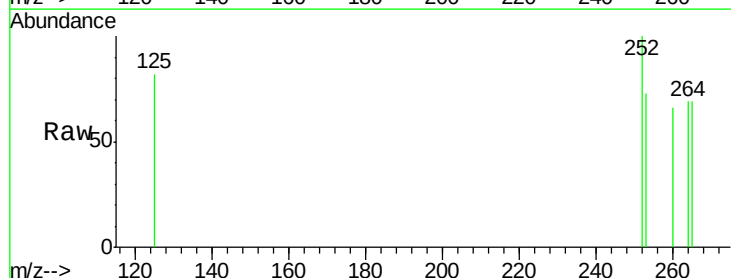
Tgt Ion:252 Resp: 67

Ion Ratio Lower Upper

252 100

253 73.1 19.7 29.5#

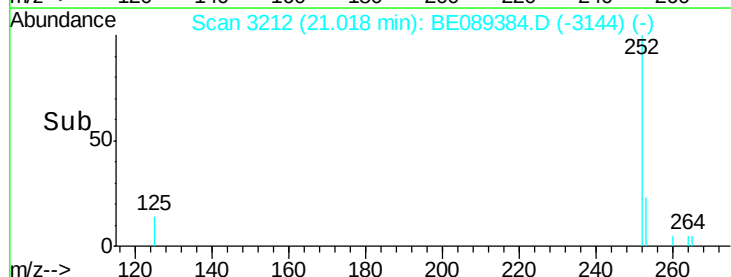
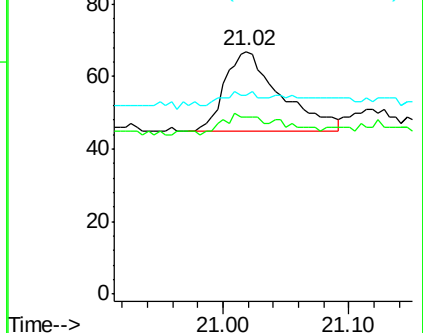
125 82.1 15.0 22.6#

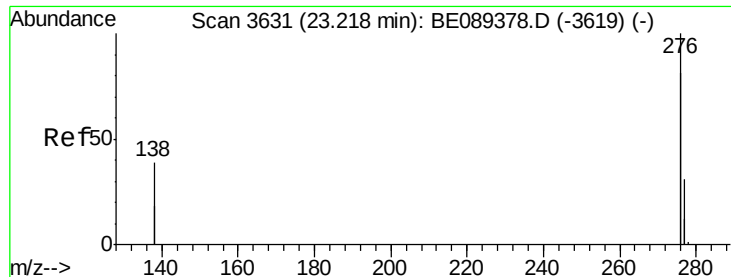


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.01 ng/ul

RT: 23.25 min Scan# 3636

Delta R.T. 0.02 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

Instrument :

BNA_E

ClientSampleId :

Y9RA7RX

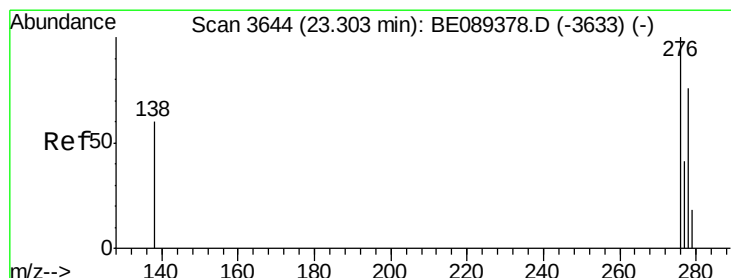
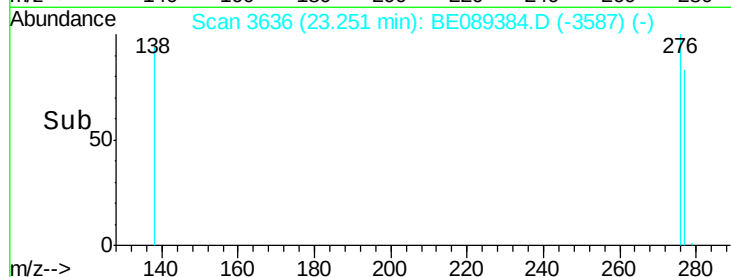
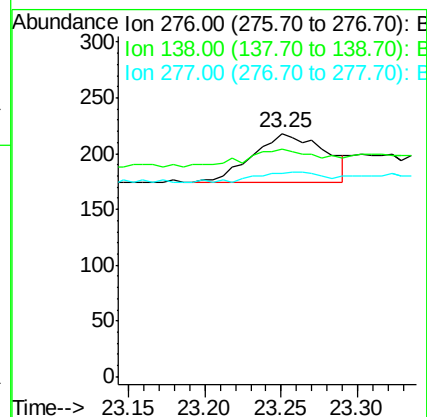
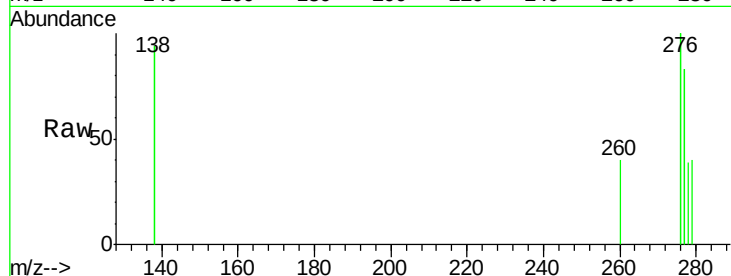
Tgt Ion:276 Resp: 144

Ion Ratio Lower Upper

276 100

138 38.2 23.8 35.8#

277 19.4 18.9 28.3



#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 23.34 min Scan# 3649

Delta R.T. 0.02 min

Lab File: BE089384.D

Acq: 9 Jan 2015 15:08

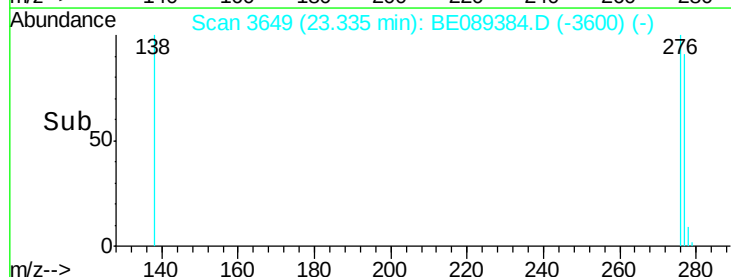
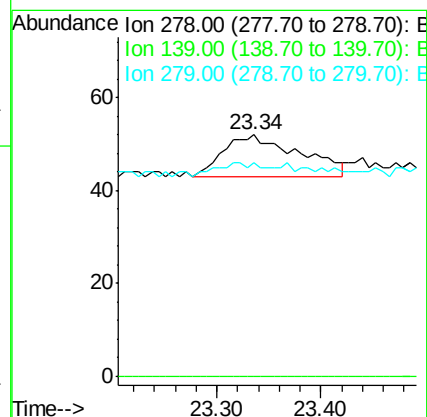
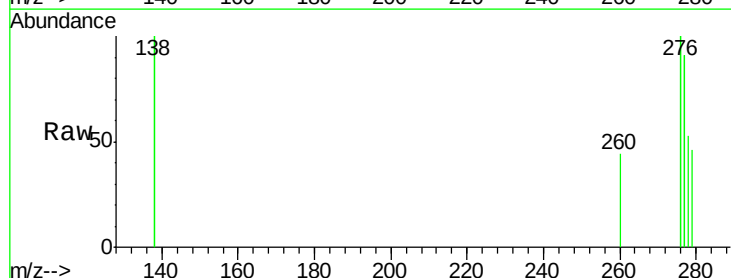
Tgt Ion:278 Resp: 45

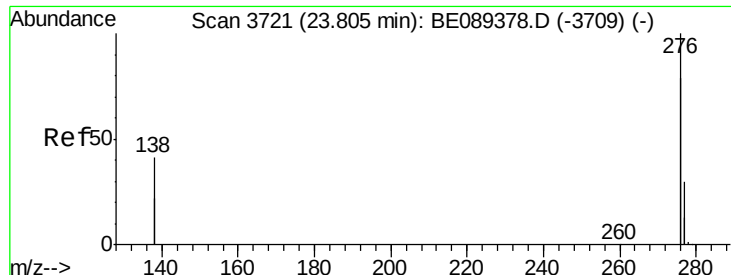
Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

279 88.5 24.0 36.0#





#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 23.85 min Scan# 3728

Delta R.T. 0.03 min

Lab File: BE089384.D

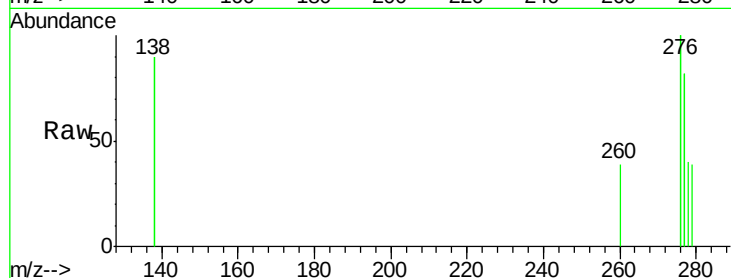
Acq: 9 Jan 2015 15:08

Instrument :

BNA_E

ClientSampleId :

Y9RA7RX



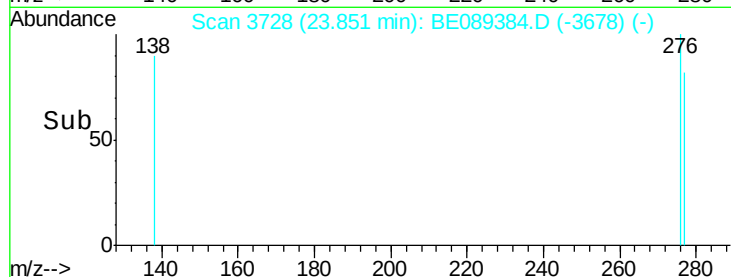
Tgt Ion: 276 Resp: 264

Ion Ratio Lower Upper

276 100

277 82.3 22.3 33.5#

138 90.3 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

23.85

200

150

100

50

0

Time--> 23.70 23.80 23.90