

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010915\
 Data File : BE089382.D
 Acq On : 9 Jan 2015 13:21
 Operator : TP/IZ
 Sample : G1029-03RX
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9R99RX

Quant Time: Jan 09 23:40:13 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 23:27:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1235	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4934	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2496	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3908	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2643	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2353	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	435	0.23	ng/uL	0.00
6) 2-Methylnaphthalene-d10	9.08	152	111	0.02	ng/ul	0.00
16) Fluoranthene-d10	14.91	212	4	0.00	ng/ul	0.00

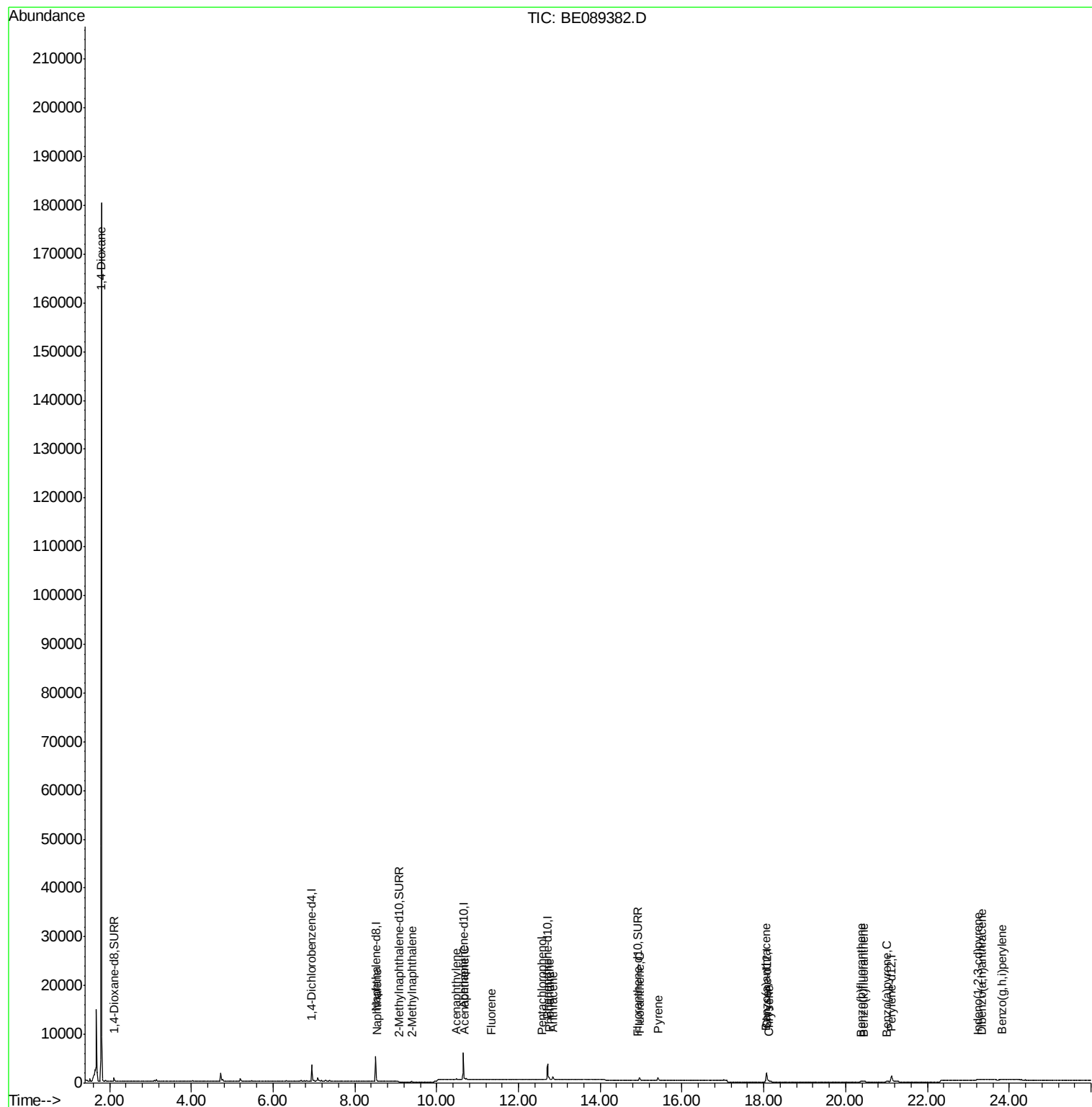
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	1.80	88	5415	2.62	ng/ul#	1
5) Naphthalene	8.54	128	132	0.01	ng/ul#	31
7) 2-Methylnaphthalene	9.39	142	47	0.01	ng/ul	82
9) Acenaphthylene	10.48	152	141	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	151	0.01	ng/ul#	51
11) Fluorene	11.34	166	37	0.01	ng/ul#	62
13) Pentachlorophenol	12.57	266	1	0.00	ng/ul#	18
14) Phenanthrene	12.75	178	477	0.01	ng/ul#	26
15) Anthracene	12.83	178	597	0.02	ng/ul#	36
17) Fluoranthene	14.96	202	828	0.02	ng/ul#	54
19) Pyrene	15.41	202	871	0.03	ng/ul#	56
20) Benzo(a)anthracene	18.05	228	233	0.04	ng/ul#	60
21) Chrysene	18.13	228	250	0.03	ng/ul#	58
23) Benzo(b)fluoranthene	20.38	252	157	0.03	ng/ul#	27
24) Benzo(k)fluoranthene	20.43	252	233	0.03	ng/ul#	35
25) Benzo(a)pyrene	21.01	252	161	0.03	ng/ul#	26
26) Indeno(1,2,3-cd)pyrene	23.25	276	354	0.02	ng/ul#	69
27) Dibenzo(a,h)anthracene	23.32	278	111	0.02	ng/ul#	15
28) Benzo(g,h,i)perylene	23.83	276	689	0.03	ng/ul#	28

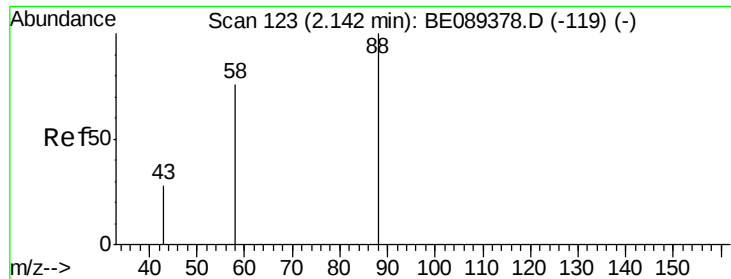
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.62 ng/ul

RT: 1.80 min Scan# 67

Delta R.T. -0.00 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

Instrument :

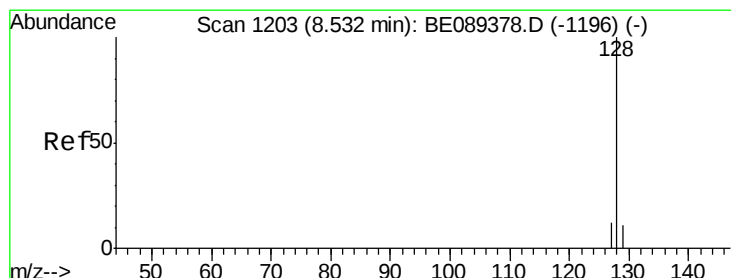
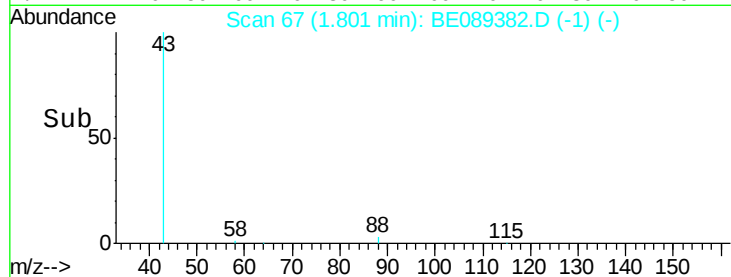
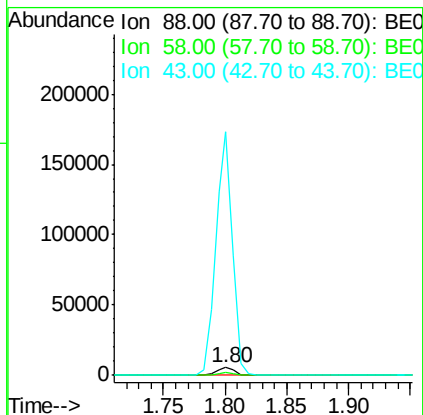
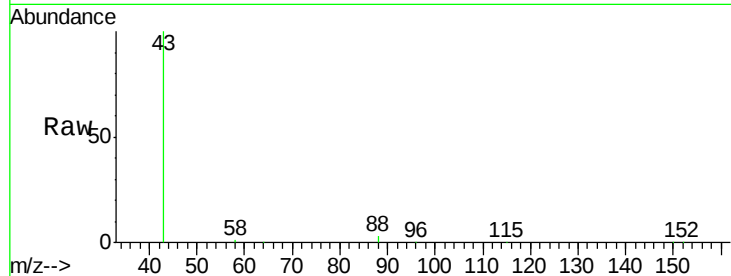
BNA_E

ClientSampleId :

Y9R99RX

Tgt Ion: 88 Resp: 5415

Ion	Ratio	Lower	Upper
88	100		
58	28.9	61.5	92.3#
43	3011.0	23.9	35.9#



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.54 min Scan# 1204

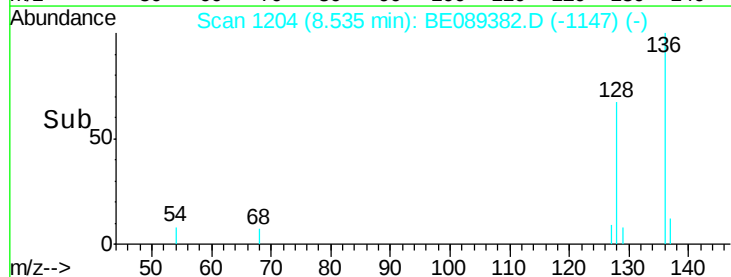
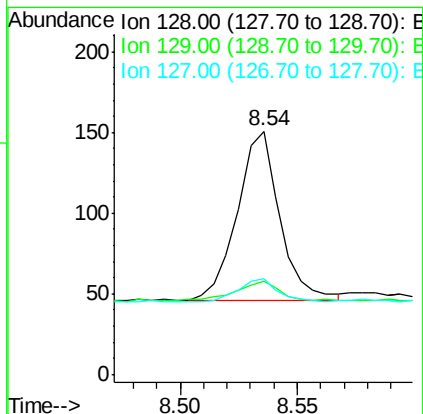
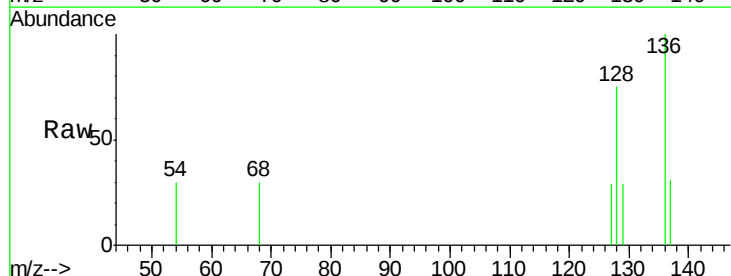
Delta R.T. 0.00 min

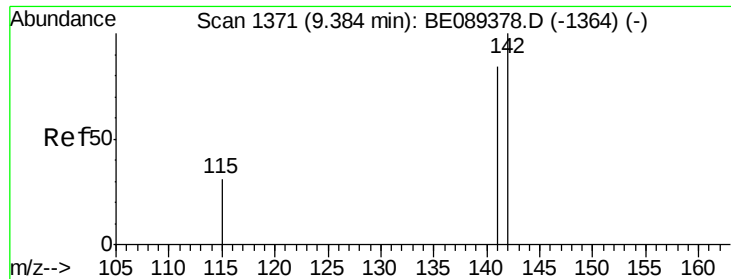
Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

Tgt Ion: 128 Resp: 132

Ion	Ratio	Lower	Upper
128	100		
129	38.4	9.1	13.7#
127	39.1	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: BE089382.D

Acq: 9 Jan 2015 13:21

Instrument :

BNA_E

ClientSampleId :

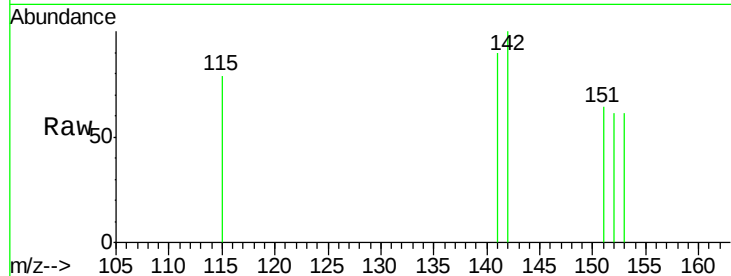
Y9R99RX

Tgt Ion:142 Resp: 47

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

80

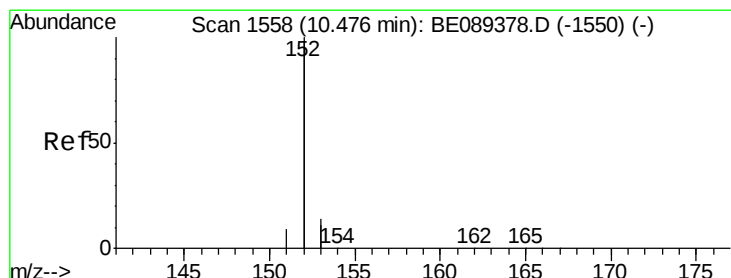
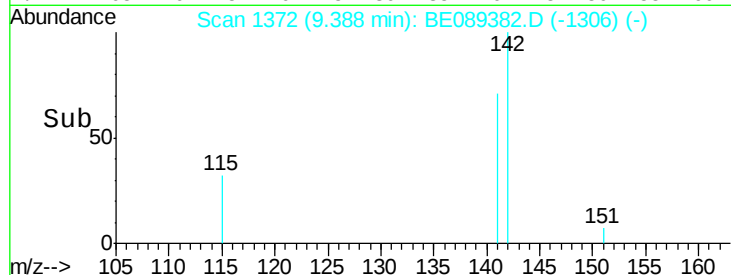
60

40

20

0

Time--> 9.30 9.35 9.40 9.45 9.50



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

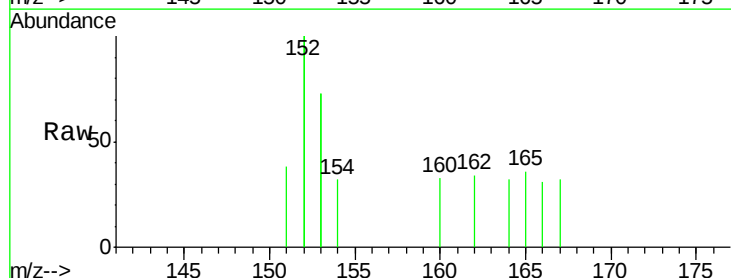
Tgt Ion:152 Resp: 141

Ion Ratio Lower Upper

152 100

151 19.2 4.0 6.0#

153 73.4 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

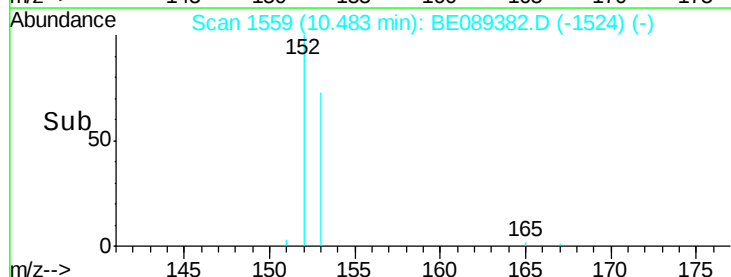
300

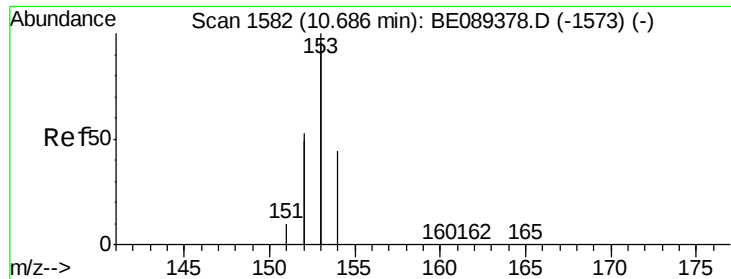
200

100

0

Time--> 10.40 10.50





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

Instrument :

BNA_E

ClientSampleId :

Y9R99RX

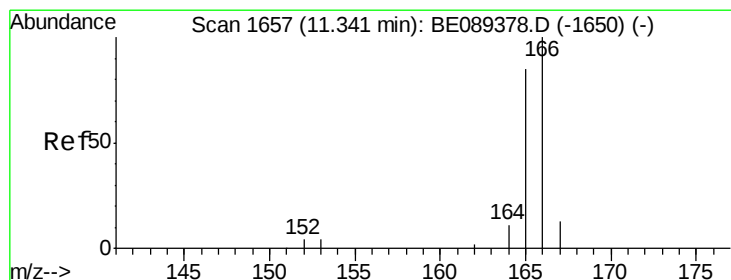
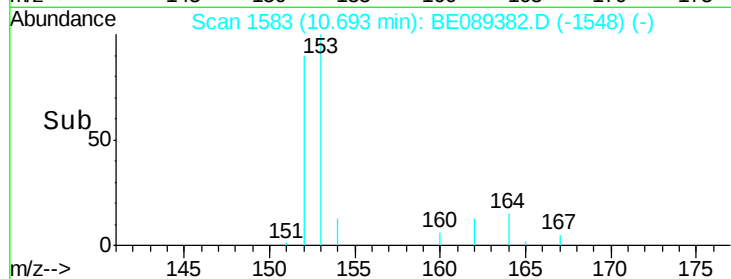
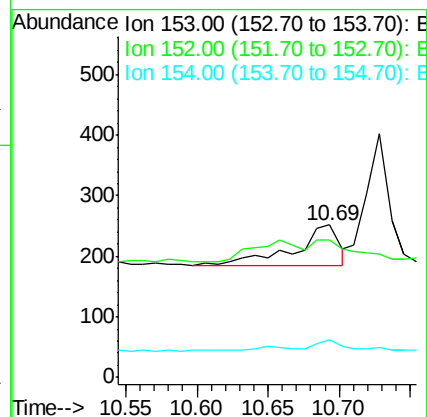
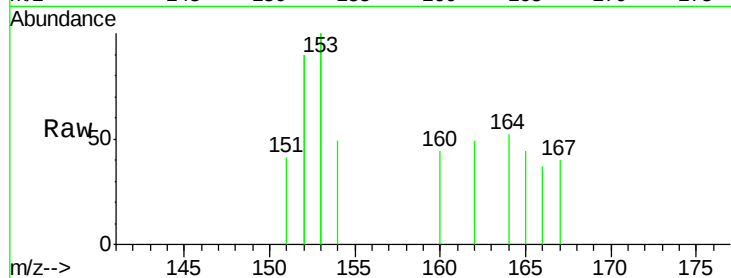
Tgt Ion:153 Resp: 151

Ion Ratio Lower Upper

153 100

152 89.7 32.6 49.0#

154 24.6 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: BE089382.D

Acq: 9 Jan 2015 13:21

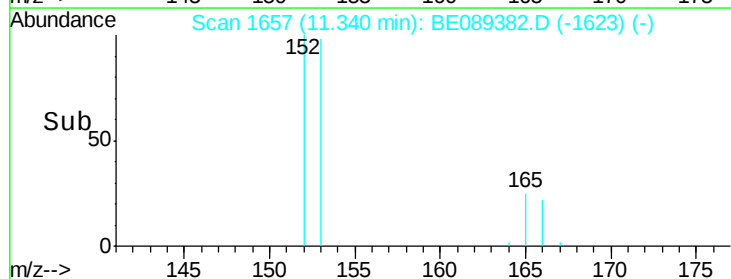
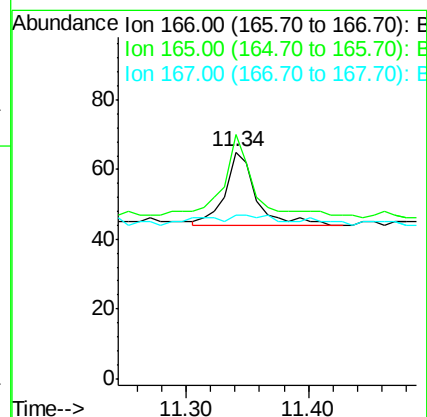
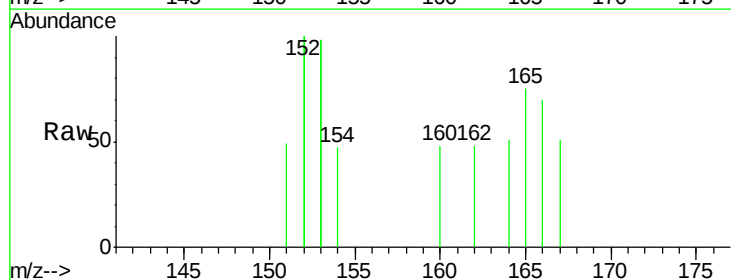
Tgt Ion:166 Resp: 37

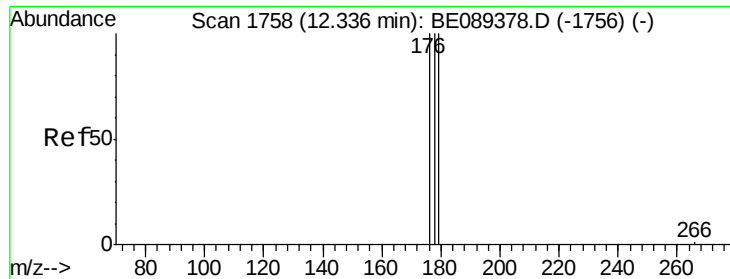
Ion Ratio Lower Upper

166 100

165 107.7 70.3 105.5#

167 72.3 11.5 17.3#





#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 12.57 min Scan# 1777

Delta R.T. 0.15 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

Instrument :

BNA_E

ClientSampleId :

Y9R99RX

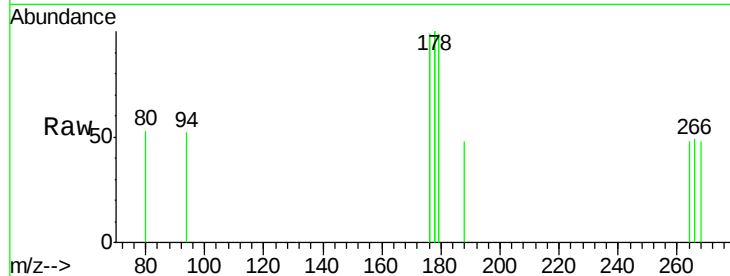
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 48.7 73.1#

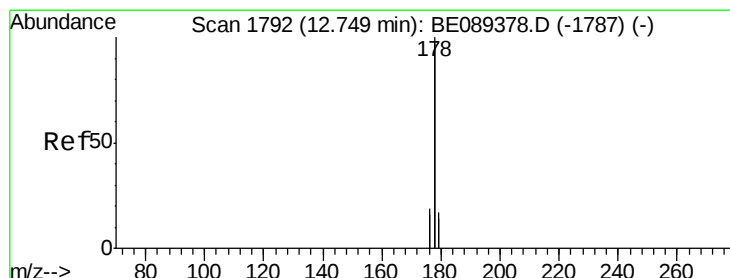
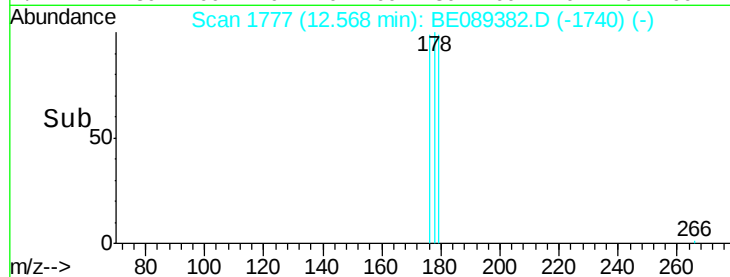
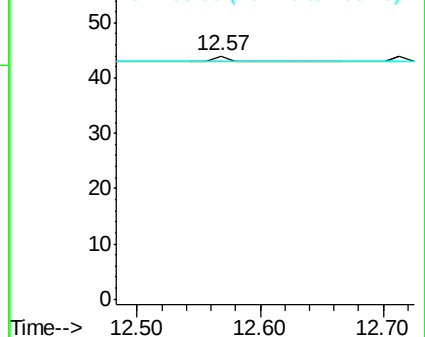
268 0.0 52.9 79.3#



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: BE089382.D

Acq: 9 Jan 2015 13:21

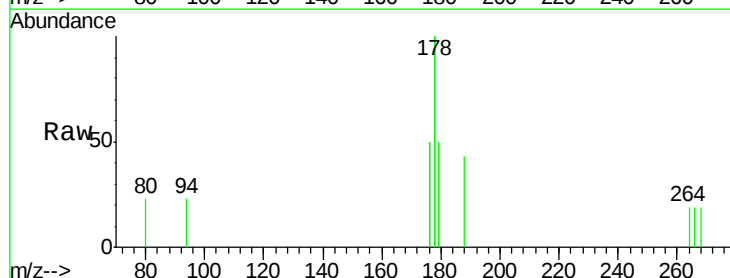
Tgt Ion:178 Resp: 477

Ion Ratio Lower Upper

178 100

176 50.2 14.3 21.5#

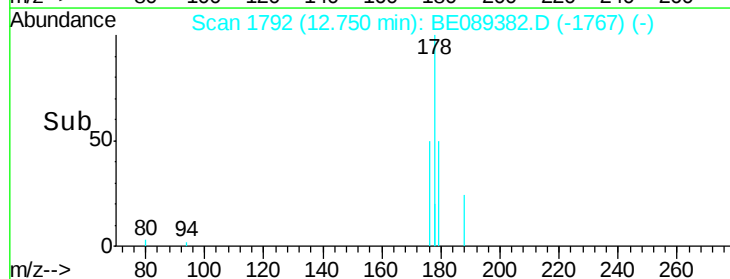
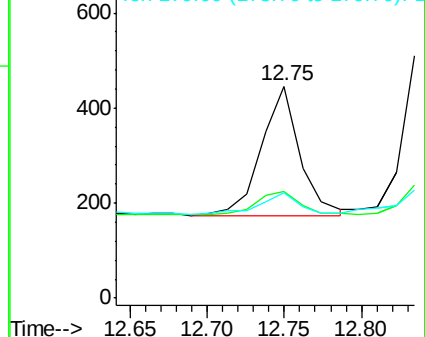
179 49.8 13.8 20.8#

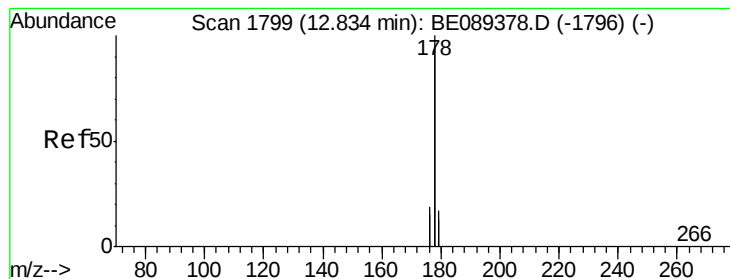


Abundance Ion 178.00 (177.70 to 178.70): E

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: BE089382.D

Acq: 9 Jan 2015 13:21

Instrument :

BNA_E

ClientSampleId :

Y9R99RX

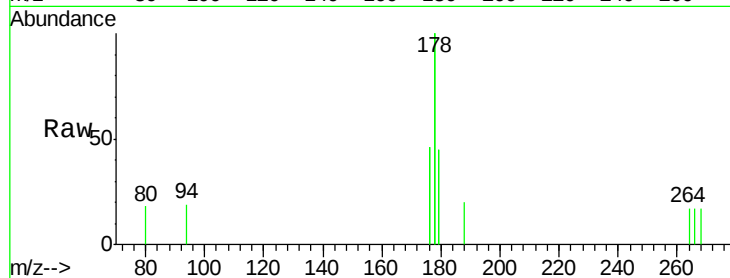
Tgt Ion:178 Resp: 597

Ion Ratio Lower Upper

178 100

176 46.5 14.7 22.1#

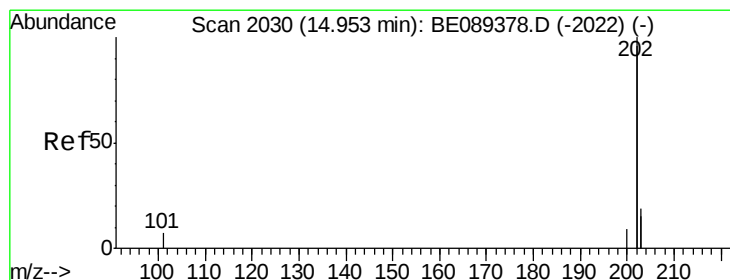
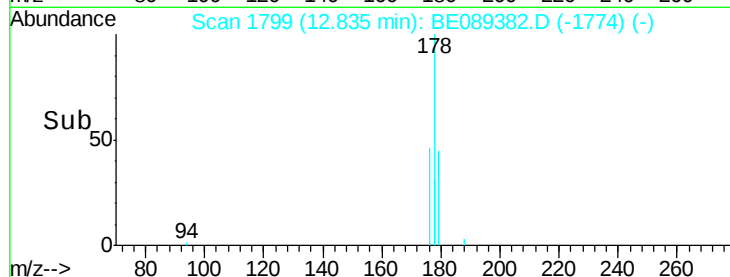
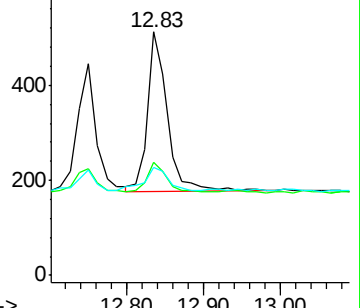
179 44.5 13.4 20.2#



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: BE089382.D

Acq: 9 Jan 2015 13:21

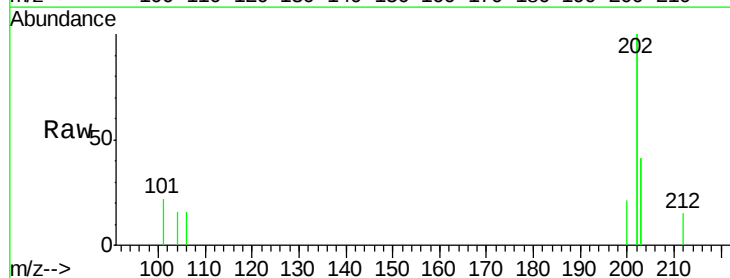
Tgt Ion:202 Resp: 828

Ion Ratio Lower Upper

202 100

101 10.9 0.0 24.6

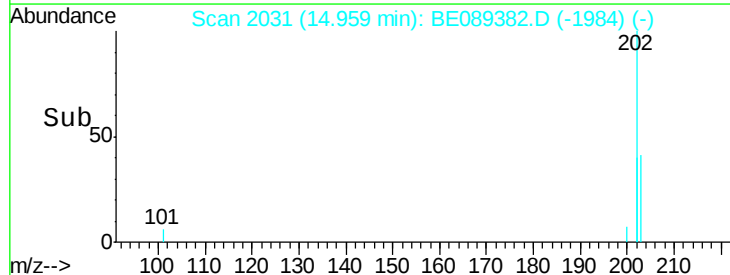
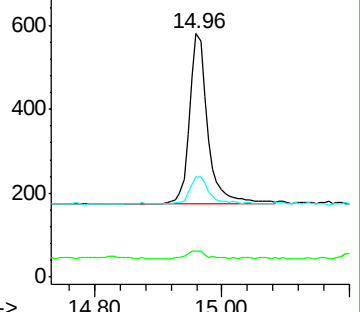
203 41.4 0.0 37.8#

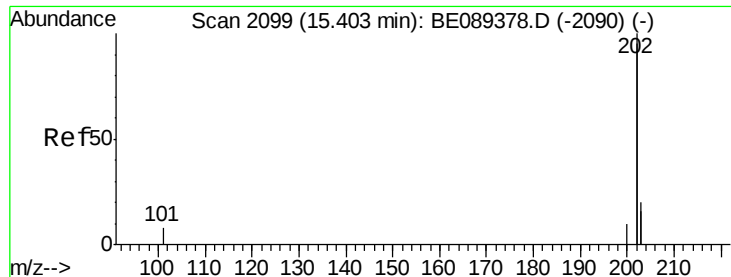


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

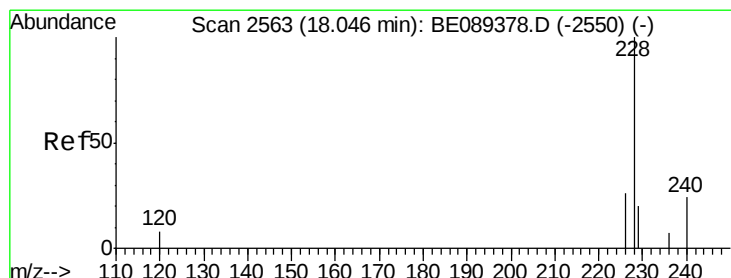
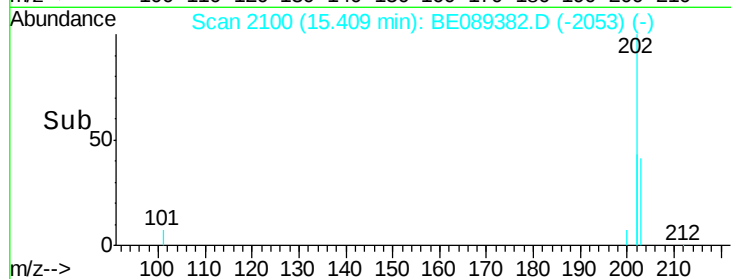
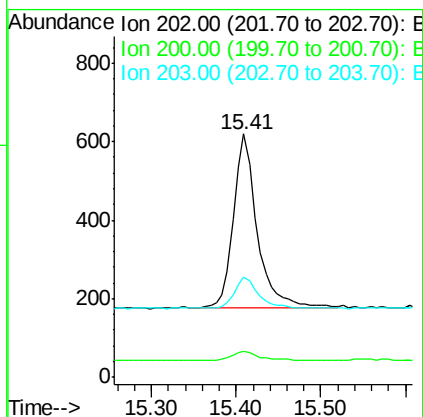
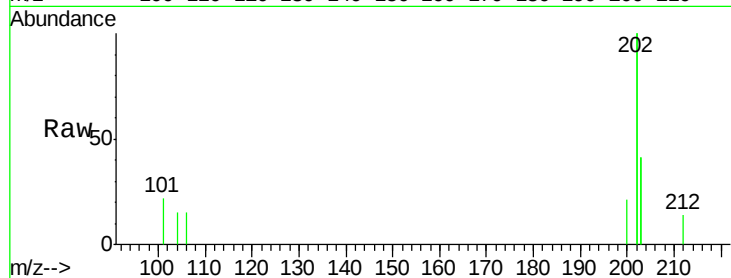




#19
Pyrene
Concen: 0.03 ng/ul
RT: 15.41 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BE089382.D
Acq: 9 Jan 2015 13:21

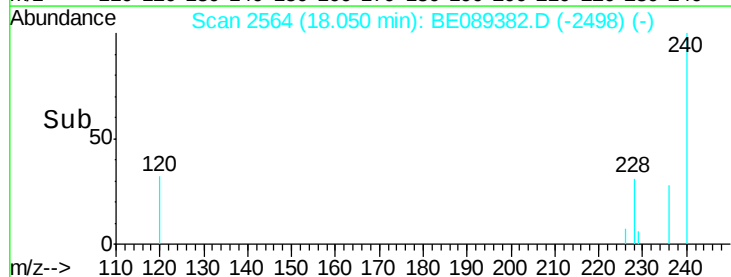
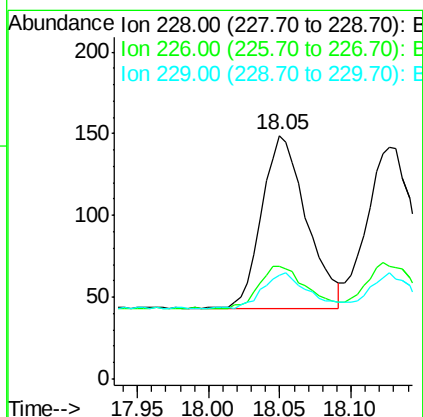
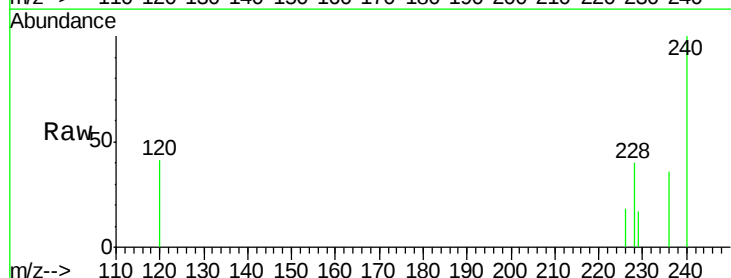
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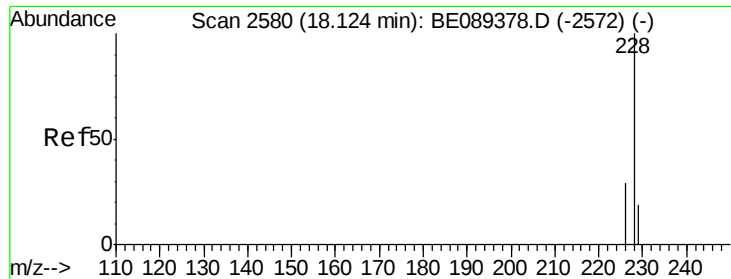
Tgt Ion:202 Resp: 871
Ion Ratio Lower Upper
202 100
200 10.6 4.2 6.4#
203 41.0 14.4 21.6#



#20
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 18.05 min Scan# 2564
Delta R.T. -0.00 min
Lab File: BE089382.D
Acq: 9 Jan 2015 13:21

Tgt Ion:228 Resp: 233
Ion Ratio Lower Upper
228 100
226 46.3 21.9 32.9#
229 42.3 16.9 25.3#





#21

Chrysene

Concen: 0.03 ng/ul

RT: 18.13 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

Instrument :

BNA_E

ClientSampleId :

Y9R99RX

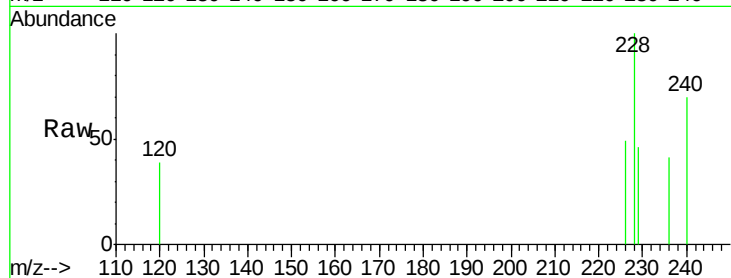
Tgt Ion:228 Resp: 250

Ion Ratio Lower Upper

228 100

226 48.6 23.9 35.9#

229 45.8 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

18.13

150

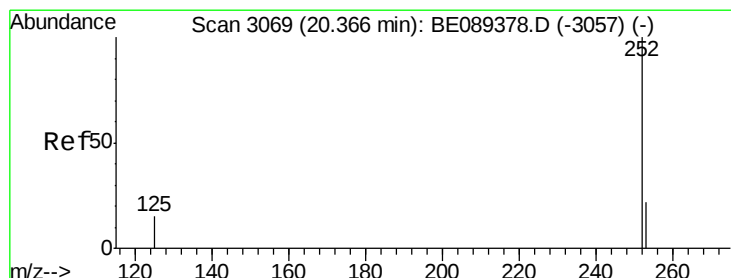
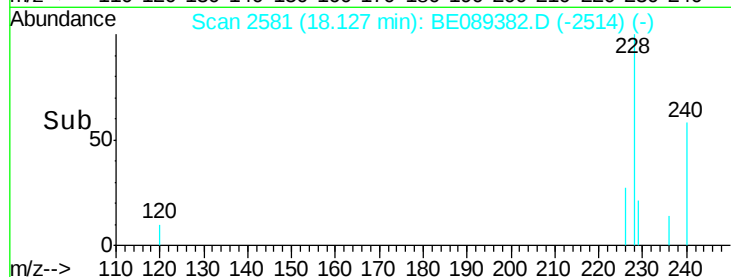
100

50

0

18.10 18.20

Time-->



#23

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 20.38 min Scan# 3071

Delta R.T. 0.00 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

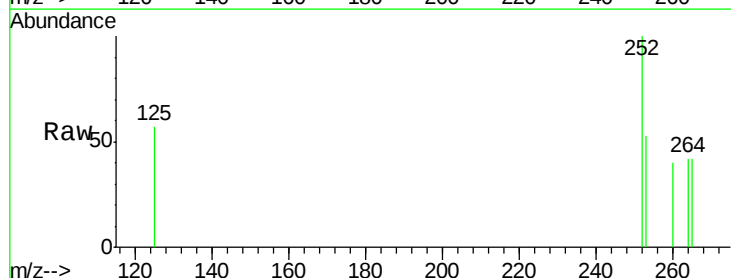
Tgt Ion:252 Resp: 157

Ion Ratio Lower Upper

252 100

253 52.8 0.0 47.8#

125 57.4 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

20.38

150

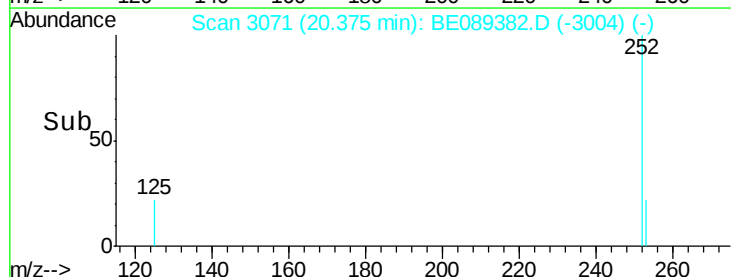
100

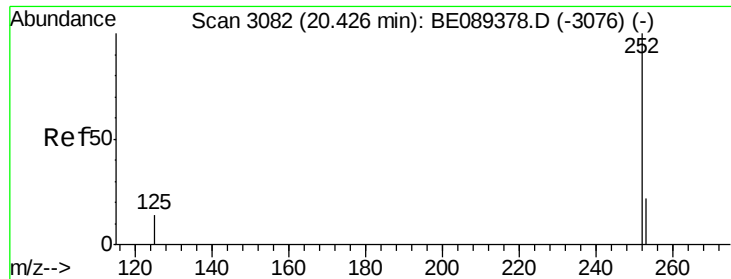
50

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. 0.00 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

Instrument :

BNA_E

ClientSampleId :

Y9R99RX

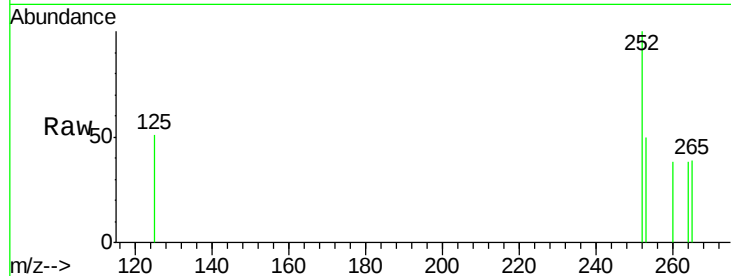
Tgt Ion:252 Resp: 233

Ion Ratio Lower Upper

252 100

253 50.4 19.0 28.6#

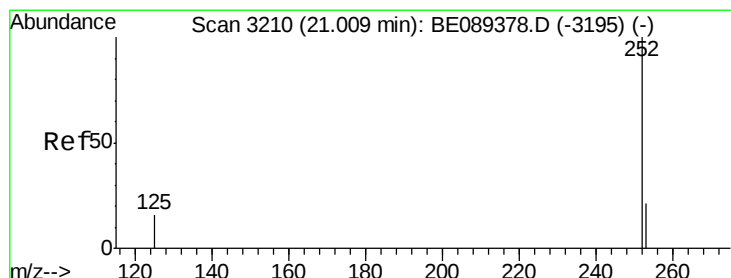
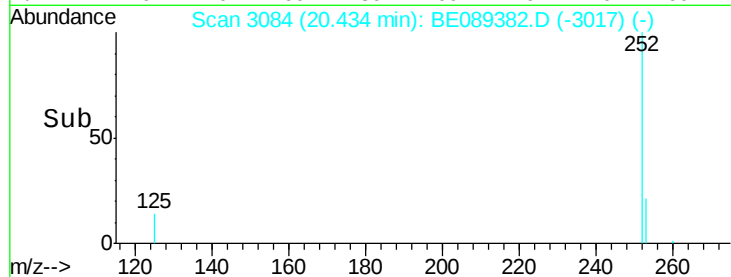
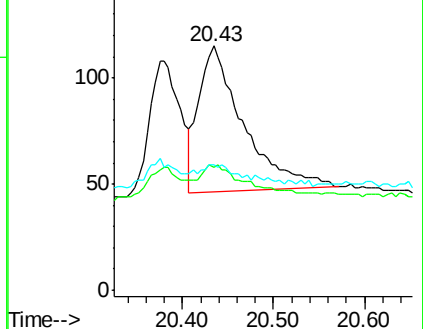
125 51.3 13.5 20.3#



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. 0.00 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

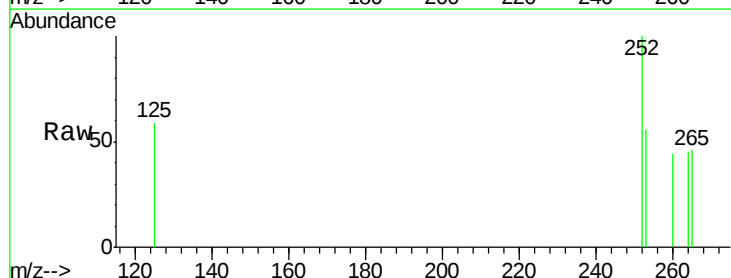
Tgt Ion:252 Resp: 161

Ion Ratio Lower Upper

252 100

253 55.6 19.7 29.5#

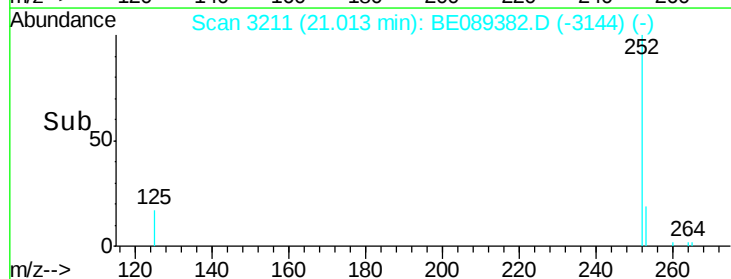
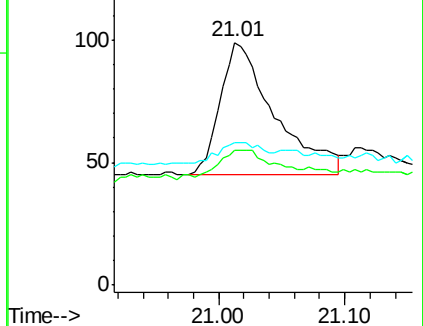
125 58.6 15.0 22.6#

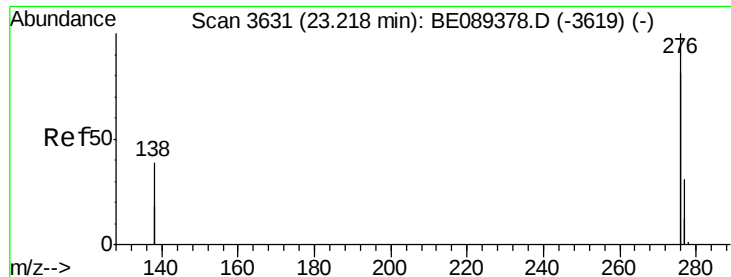


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.02 ng/ul

RT: 23.25 min Scan# 3636

Delta R.T. 0.02 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

Instrument :

BNA_E

ClientSampleId :

Y9R99RX

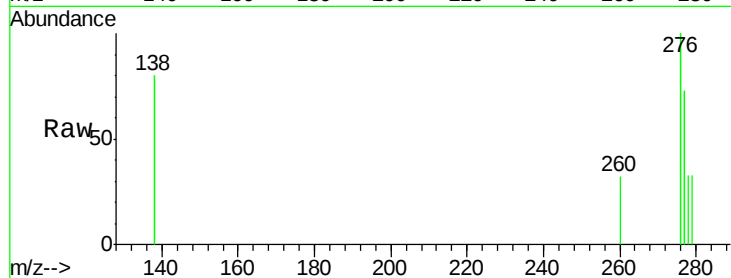
Tgt Ion: 276 Resp: 354

Ion Ratio Lower Upper

276 100

138 0.0 23.8 35.8#

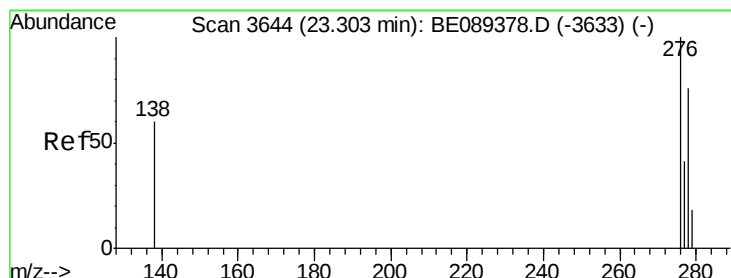
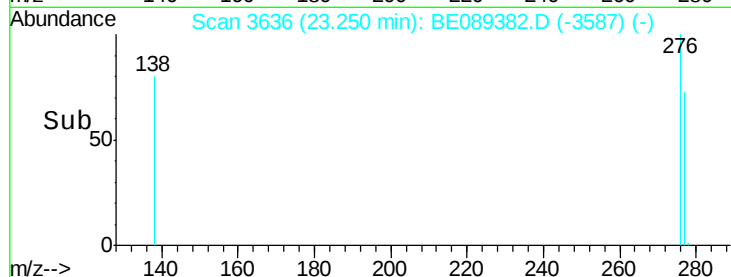
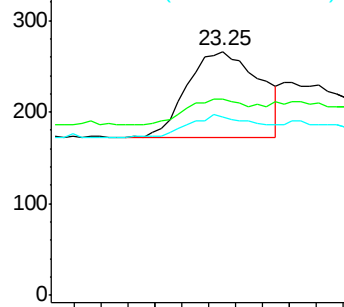
277 22.9 18.9 28.3



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: 0.02 ng/ul

RT: 23.32 min Scan# 3647

Delta R.T. 0.01 min

Lab File: BE089382.D

Acq: 9 Jan 2015 13:21

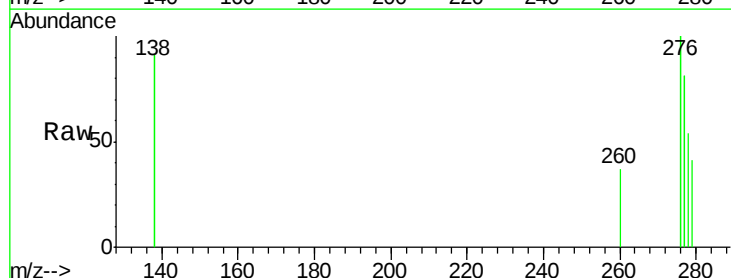
Tgt Ion: 278 Resp: 111

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

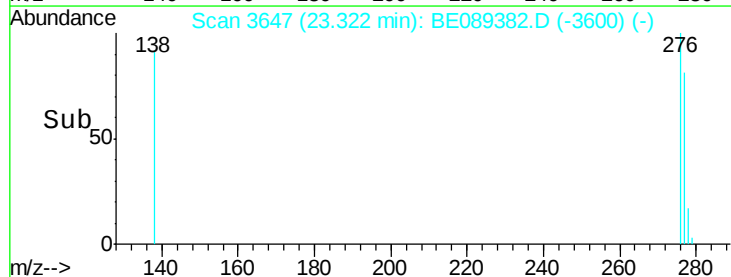
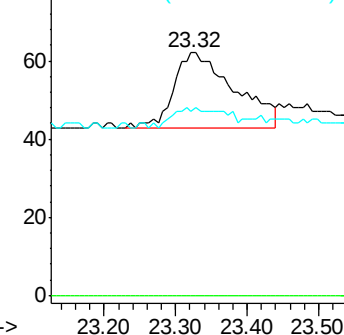
279 75.8 24.0 36.0#

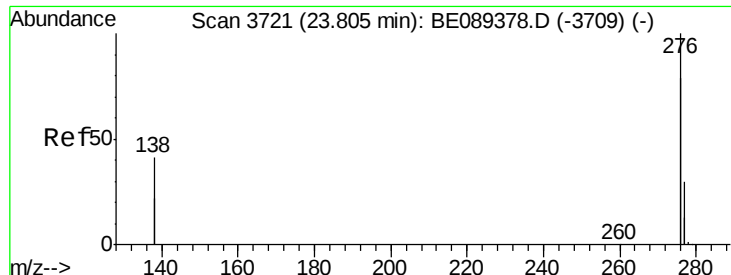


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.03 ng/ul

RT: 23.83 min Scan# 3725

Delta R.T. 0.01 min

Lab File: BE089382.D

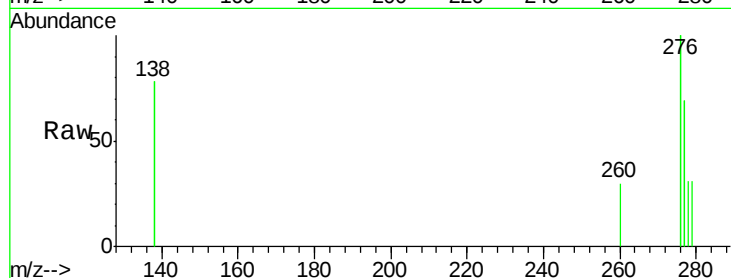
Acq: 9 Jan 2015 13:21

Instrument :

BNA_E

ClientSampleId :

Y9R99RX



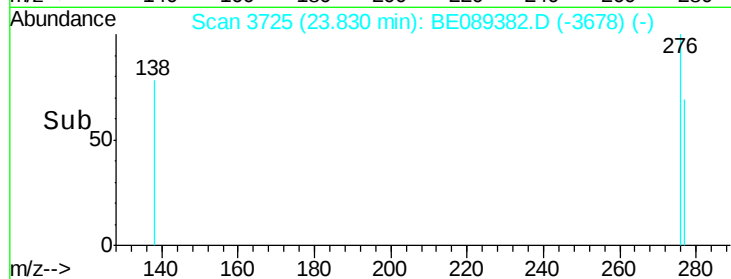
Tgt Ion: 276 Resp: 689

Ion Ratio Lower Upper

276 100

277 69.2 22.3 33.5#

138 77.6 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

