

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : Be089366.d
 Acq On : 8 Jan 2015 15:11
 Operator : TP/IZ
 Sample : G1029-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9R99

Quant Time: Jan 09 02:34:05 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 01:27:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	1355	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	5474	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2873	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	4448	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2864	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2388	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.12	96	242	0.12	ng/uL	0.02
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.90	212	4	0.00	ng/ul	-0.01

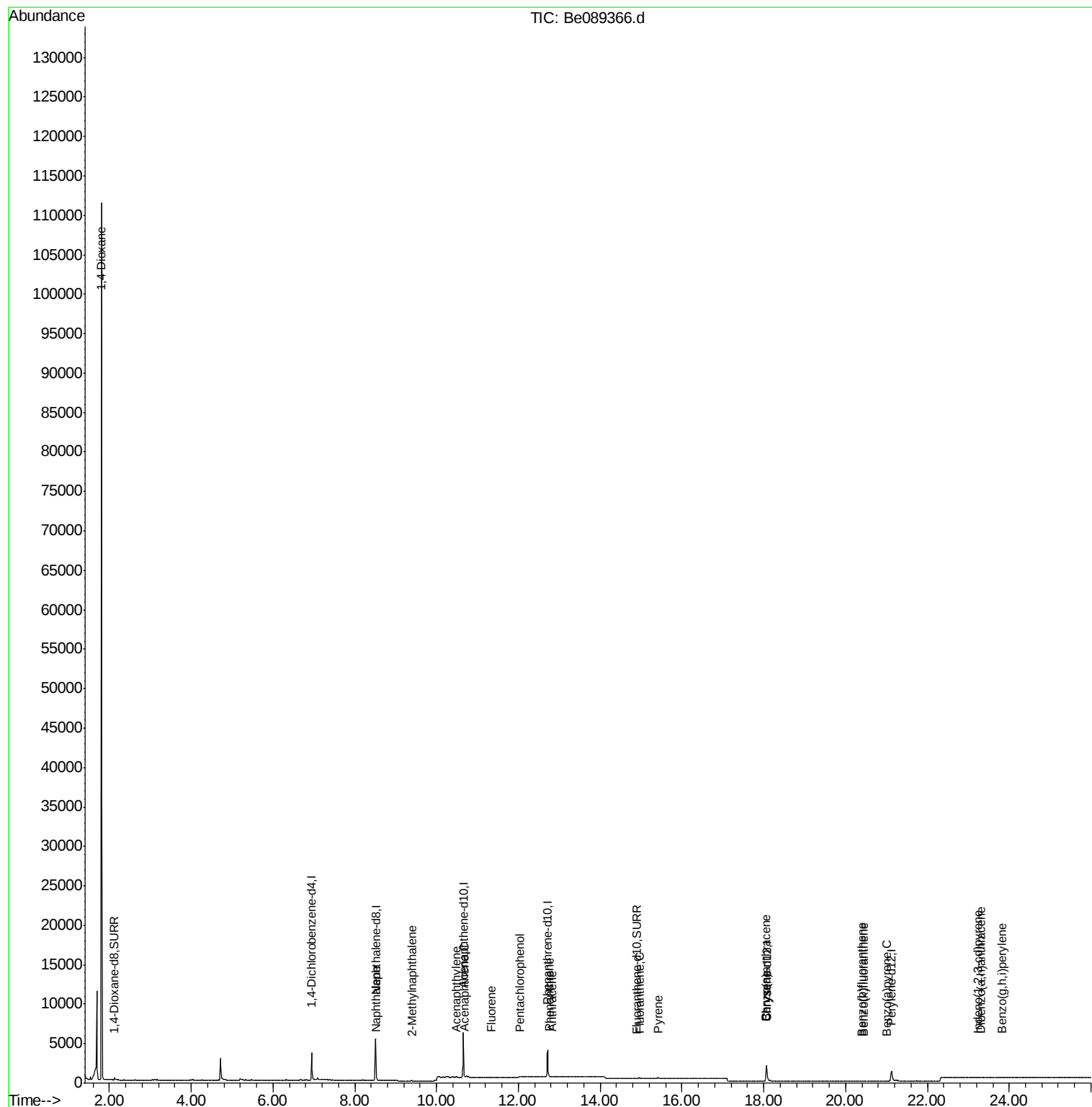
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	1.81	88	3520	1.55	ng/ul#	1
5) Naphthalene	8.53	128	97	0.01	ng/ul#	13
7) 2-Methylnaphthalene	9.39	142	27	0.00	ng/ul	100
9) Acenaphthylene	10.48	152	74	0.00	ng/ul#	1
10) Acenaphthene	10.69	153	36	0.00	ng/ul#	45
11) Fluorene	11.34	166	17	0.00	ng/ul#	60
13) Pentachlorophenol	12.03	266	159	0.34	ng/ul#	1
14) Phenanthrene	12.75	178	159	0.00	ng/ul#	1
15) Anthracene	12.83	178	106	0.00	ng/ul#	1
17) Fluoranthene	14.96	202	189	0.00	ng/ul#	1
19) Pyrene	15.41	202	197	0.01	ng/ul#	1
20) Benzo(a)anthracene	18.05	228	42	0.01	ng/ul#	1
21) Chrysene	18.05	228	42	0.01	ng/ul#	1
23) Benzo(b)fluoranthene	20.38	252	23	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	20.44	252	23	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.02	252	22	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.25	276	75	0.00	ng/ul#	61
27) Dibenzo(a,h)anthracene	23.31	278	8	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	23.84	276	110	0.00	ng/ul#	1

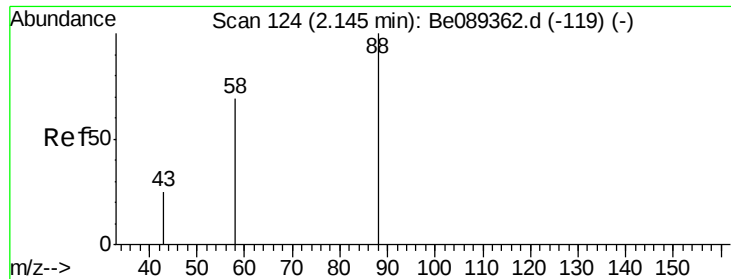
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.55 ng/ul

RT: 1.81 min Scan# 68

Delta R.T. -0.33 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampleId :

Y9R99

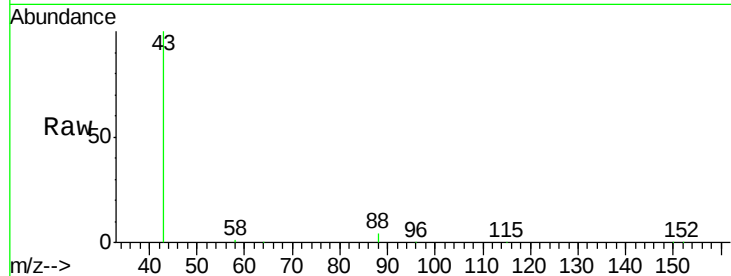
Tgt Ion: 88 Resp: 3520

Ion Ratio Lower Upper

88 100

58 27.2 61.5 92.3#

43 2941.5 23.9 35.9#



Abundance Ion 88.00 (87.70 to 88.70): Be0

Ion 58.00 (57.70 to 58.70): Be0

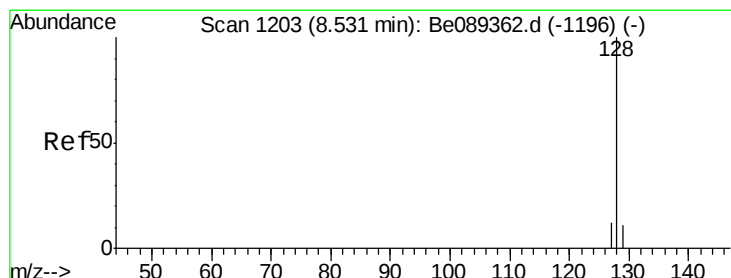
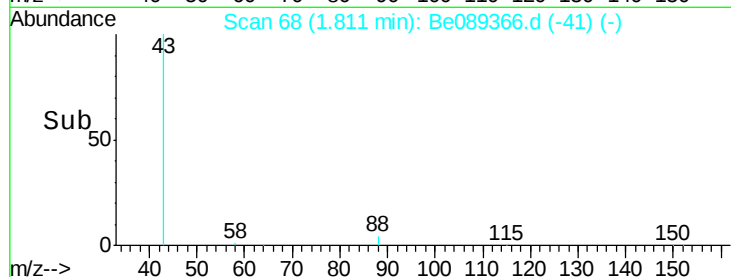
Ion 43.00 (42.70 to 43.70): Be0

100000

50000

1.81

Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. 0.00 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

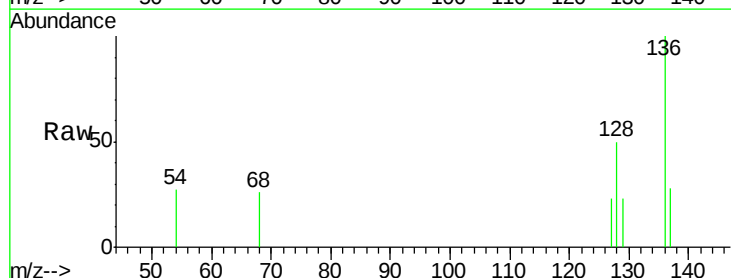
Tgt Ion: 128 Resp: 97

Ion Ratio Lower Upper

128 100

129 45.8 9.1 13.7#

127 45.8 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

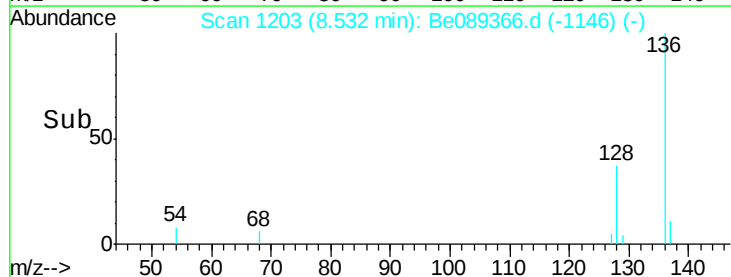
150

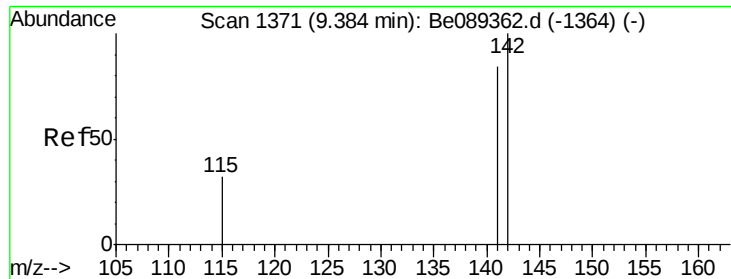
100

8.53

50

Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 9.39 min Scan# 1371

Delta R.T. 0.00 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampleId :

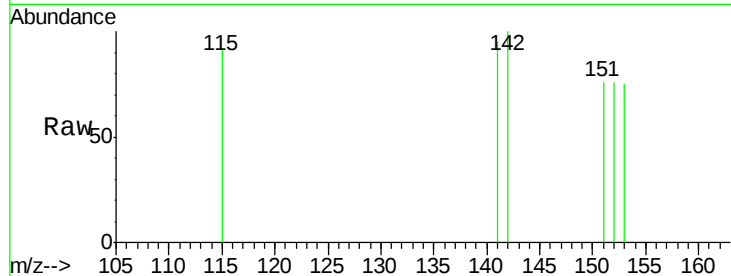
Y9R99

Tgt Ion:142 Resp: 27

Ion Ratio Lower Upper

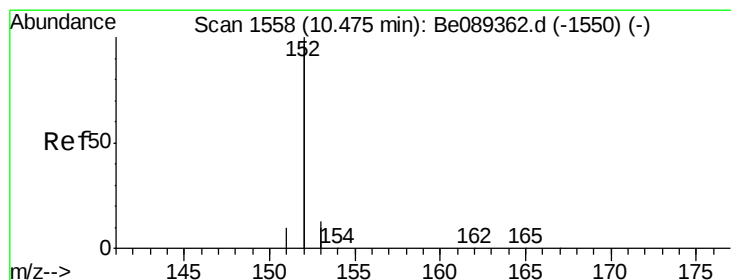
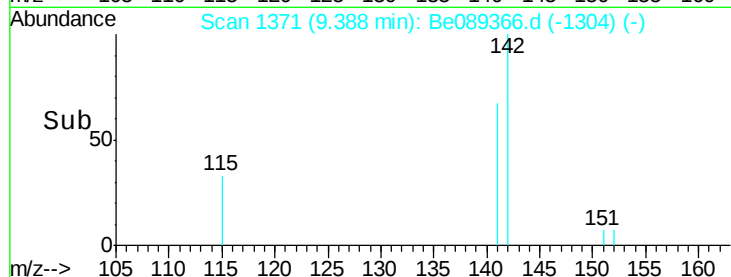
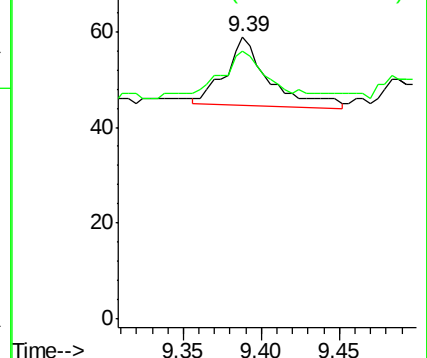
142 100

141 81.5 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: 0.00 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

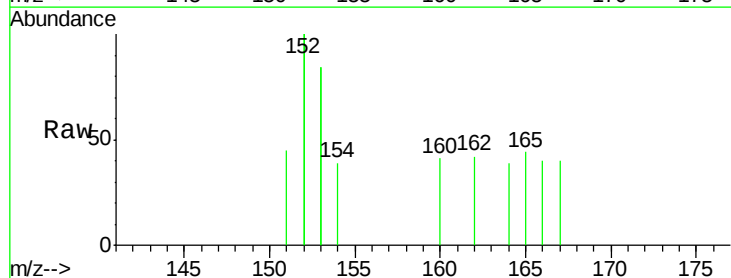
Tgt Ion:152 Resp: 74

Ion Ratio Lower Upper

152 100

151 22.6 4.0 6.0#

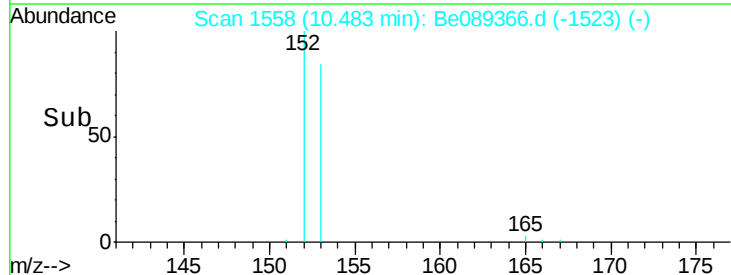
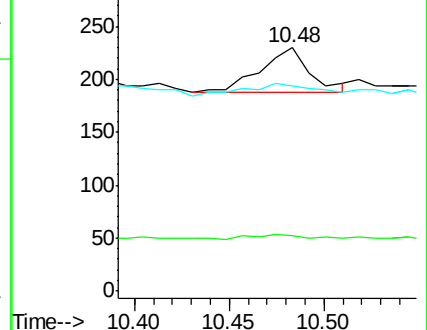
153 84.3 10.1 15.1#

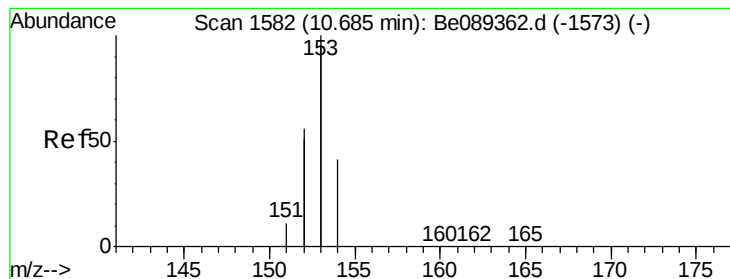


Abundance Ion 152.00 (151.70 to 152.70): E

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# 1582

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampleId :

Y9R99

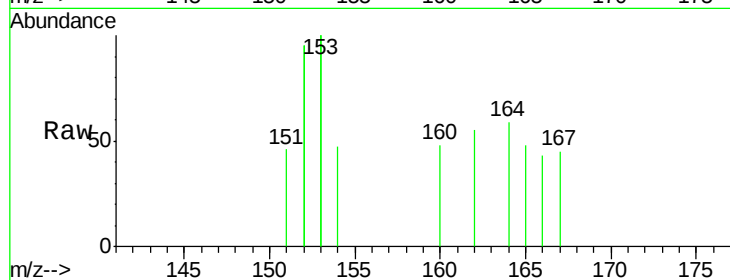
Tgt Ion:153 Resp: 36

Ion Ratio Lower Upper

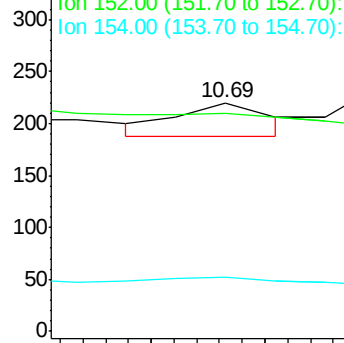
153 100

152 95.5 32.6 49.0#

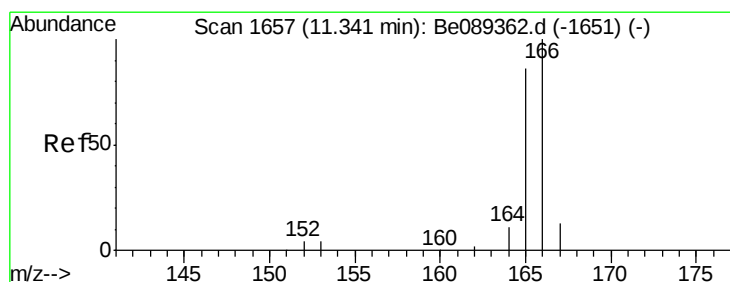
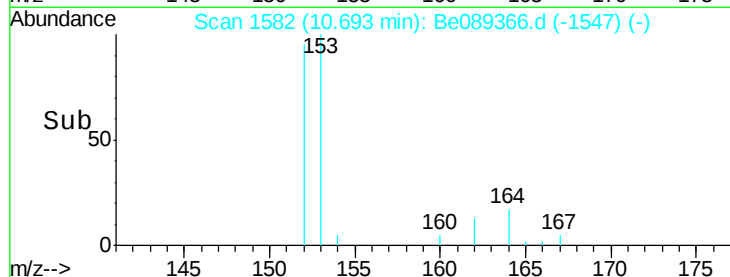
154 23.6 21.8 32.6



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: Be089366.d

Acq: 8 Jan 2015 15:11

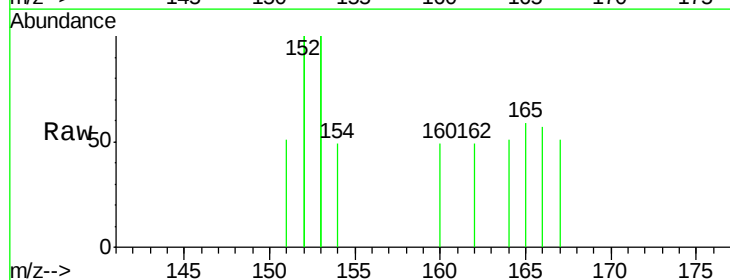
Tgt Ion:166 Resp: 17

Ion Ratio Lower Upper

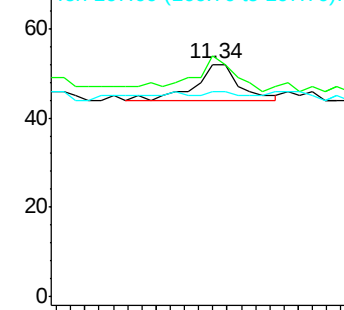
166 100

165 103.8 70.3 105.5

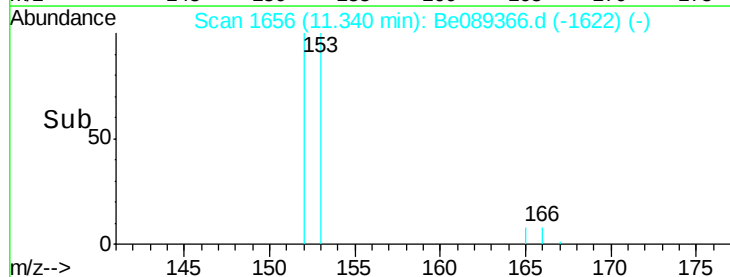
167 88.5 11.5 17.3#

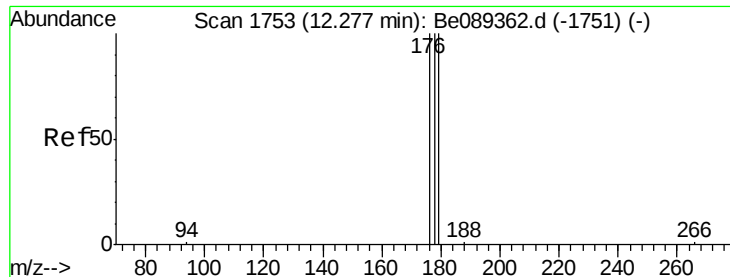


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->

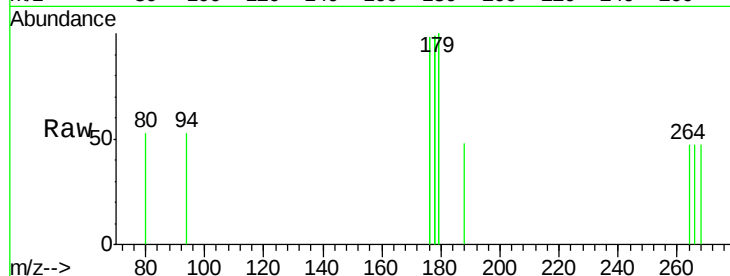




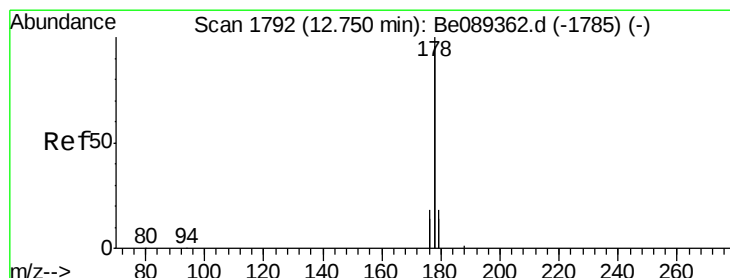
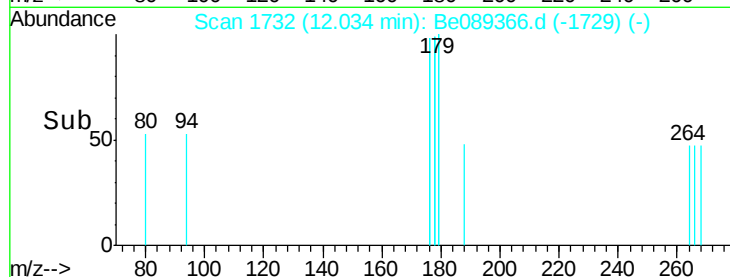
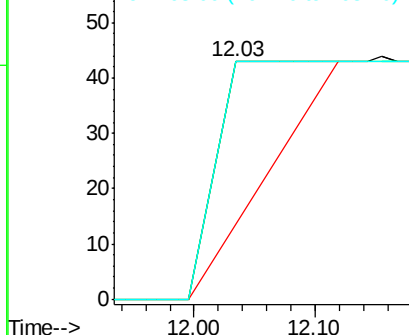
#13
 Pentachlorophenol
 Concen: 0.34 ng/ul
 RT: 12.03 min Scan# 1732
 Delta R.T. -0.24 min
 Lab File: Be089366.d
 Acq: 8 Jan 2015 15:11

Instrument :
 BNA_E
 ClientSampleId :
 Y9R99

Tgt Ion: 266 Resp: 159
 Ion Ratio Lower Upper
 266 100
 264 425.2 48.7 73.1#
 268 149.7 52.9 79.3#

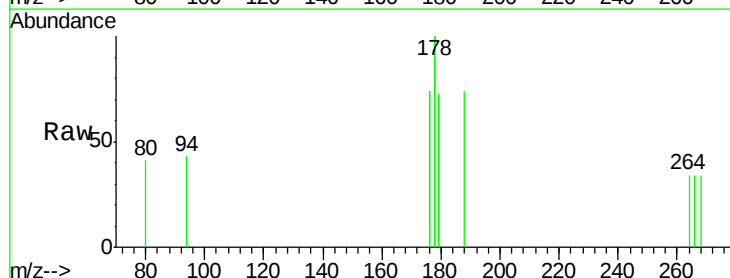


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

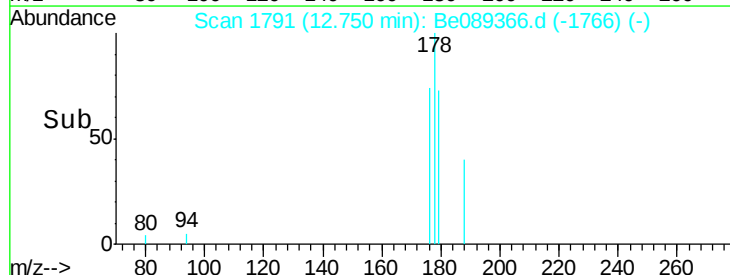
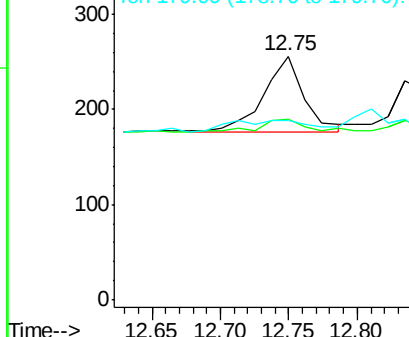


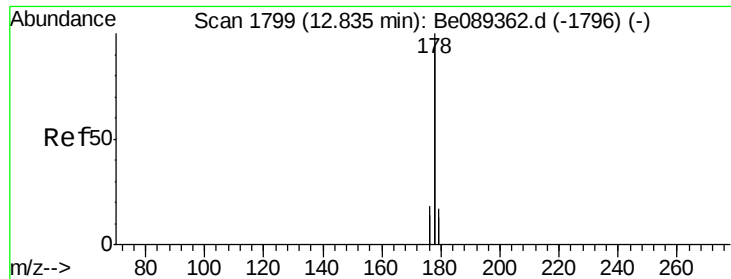
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 12.75 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: Be089366.d
 Acq: 8 Jan 2015 15:11

Tgt Ion: 178 Resp: 159
 Ion Ratio Lower Upper
 178 100
 176 74.2 14.3 21.5#
 179 73.4 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: 0.00 ng/ul

RT: 12.83 min Scan# 1798

Delta R.T. -0.00 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampleId :

Y9R99

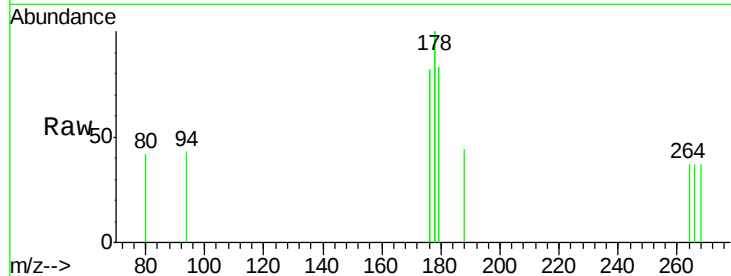
Tgt Ion:178 Resp: 106

Ion Ratio Lower Upper

178 100

176 81.7 14.7 22.1#

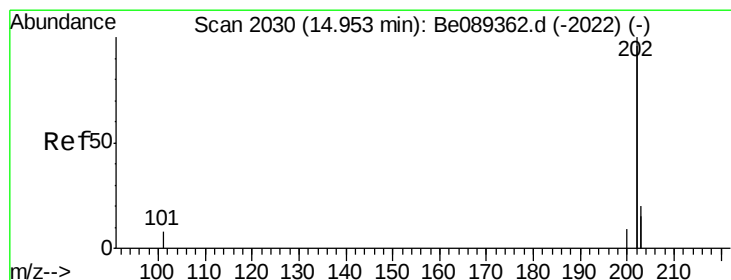
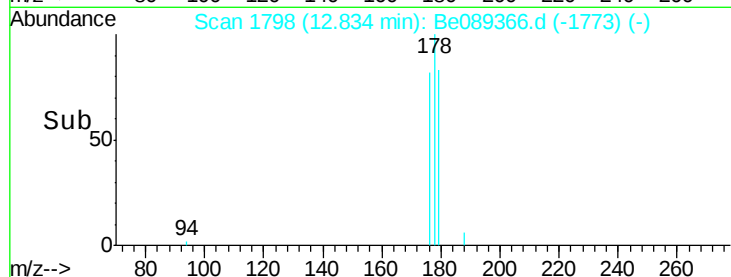
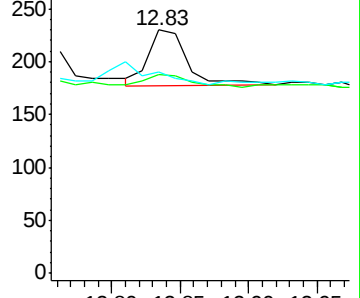
179 82.6 13.4 20.2#



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: 0.00 ng/ul

RT: 14.96 min Scan# 2030

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

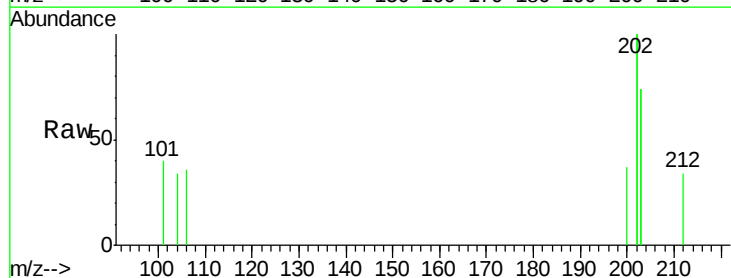
Tgt Ion:202 Resp: 189

Ion Ratio Lower Upper

202 100

101 20.2 0.0 24.6

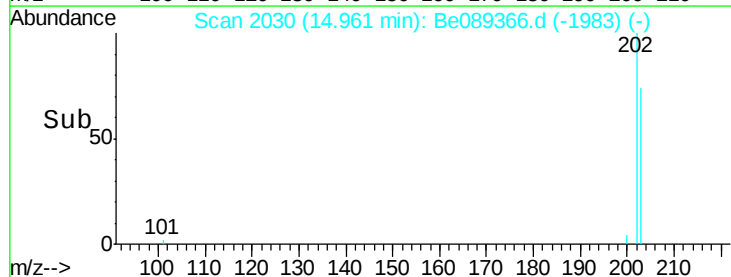
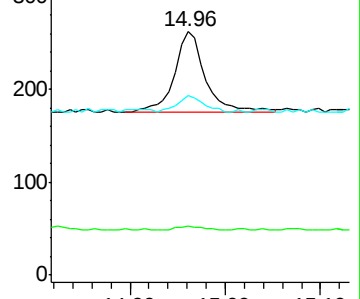
203 74.0 0.0 37.8#

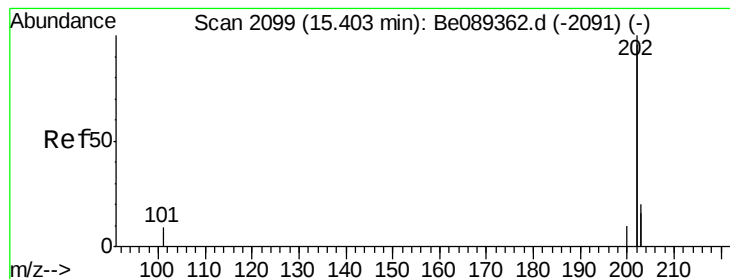


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.01 ng/ul

RT: 15.41 min Scan# 2099

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampleId :

Y9R99

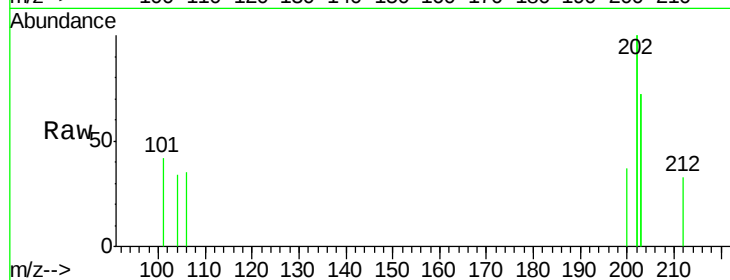
Tgt Ion:202 Resp: 197

Ion Ratio Lower Upper

202 100

200 18.3 4.2 6.4#

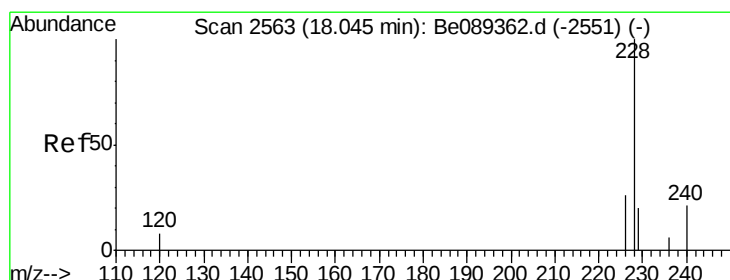
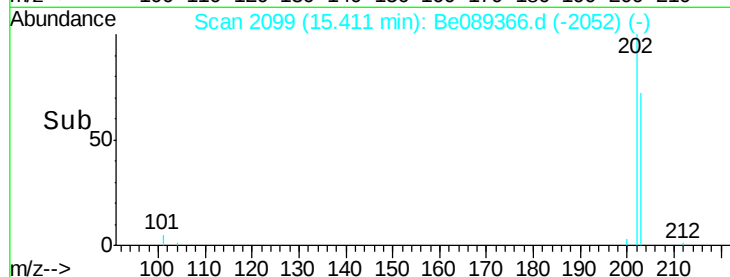
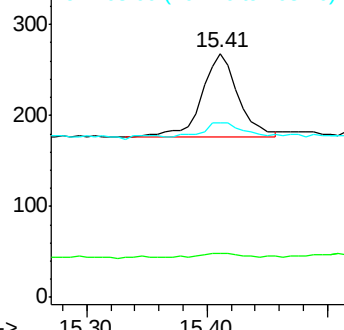
203 71.6 14.4 21.6#



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: 0.01 ng/ul

RT: 18.05 min Scan# 2564

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

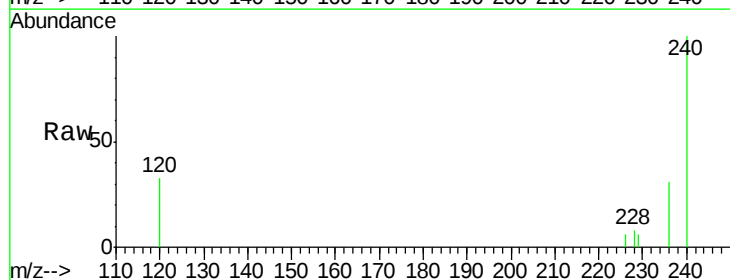
Tgt Ion:228 Resp: 42

Ion Ratio Lower Upper

228 100

226 77.4 21.9 32.9#

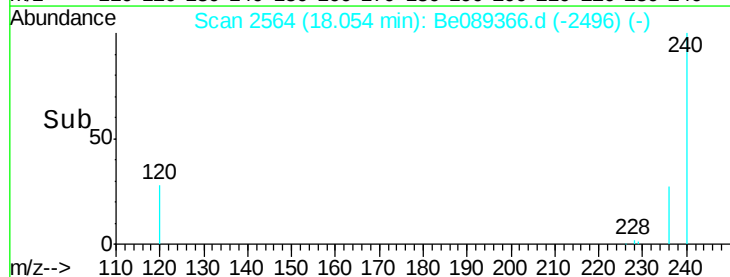
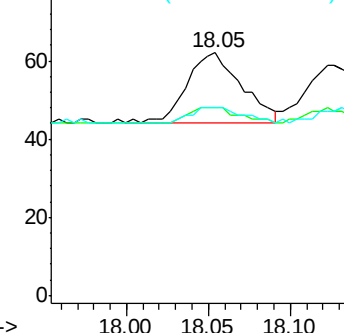
229 77.4 16.9 25.3#

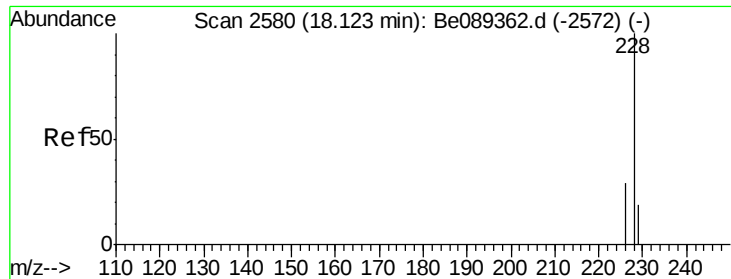


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.01 ng/ul

RT: 18.05 min Scan# 2564

Delta R.T. -0.07 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampled :

Y9R99

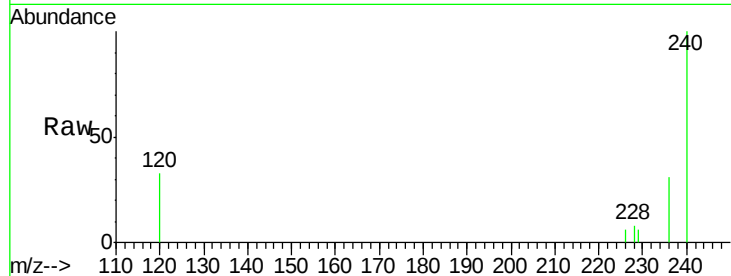
Tgt Ion:228 Resp: 42

Ion Ratio Lower Upper

228 100

226 77.4 23.9 35.9#

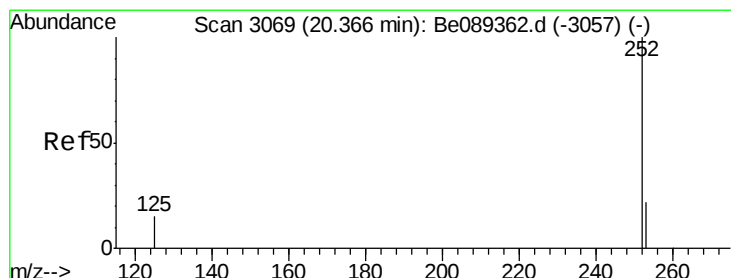
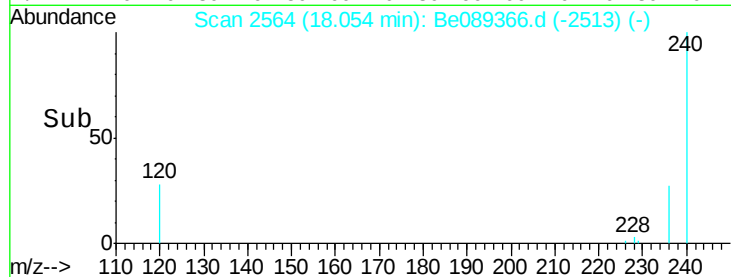
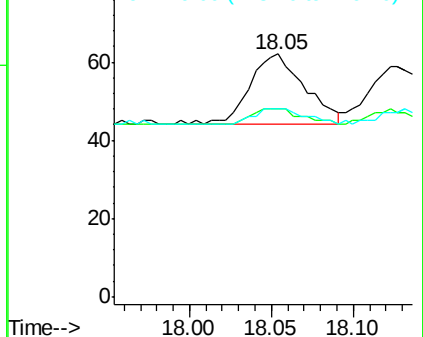
229 77.4 16.8 25.2#



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: 0.00 ng/ul

RT: 20.38 min Scan# 3071

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

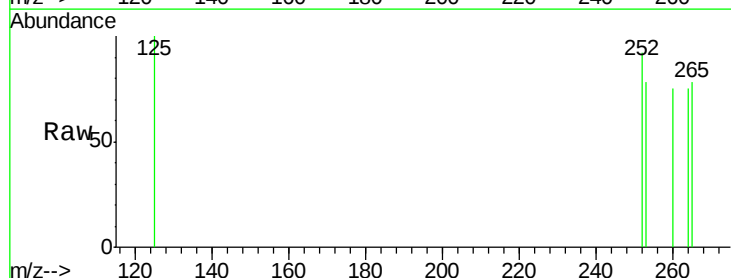
Tgt Ion:252 Resp: 23

Ion Ratio Lower Upper

252 100

253 85.2 0.0 47.8#

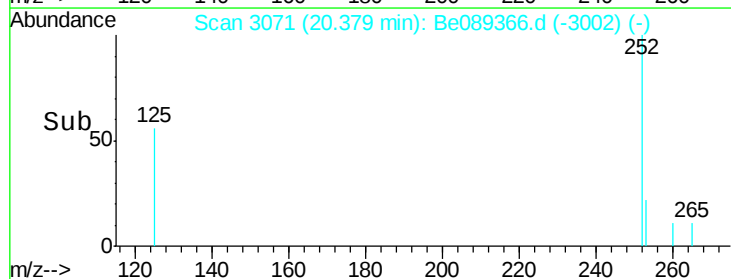
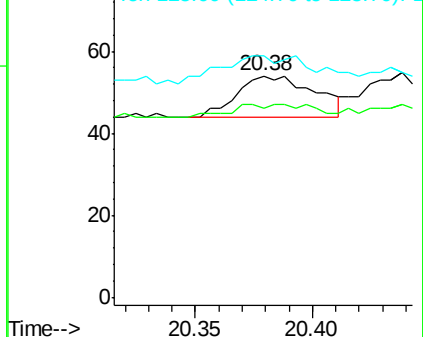
125 109.3 0.0 34.2#

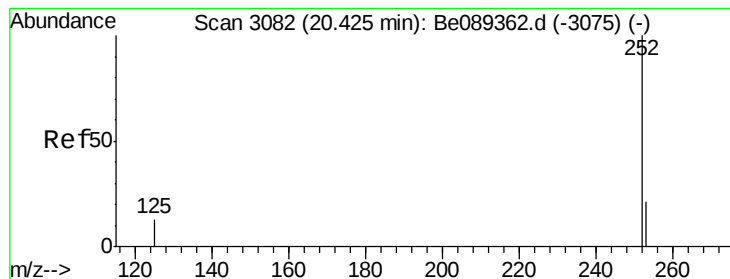


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 20.44 min Scan# 3084

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampleId :

Y9R99

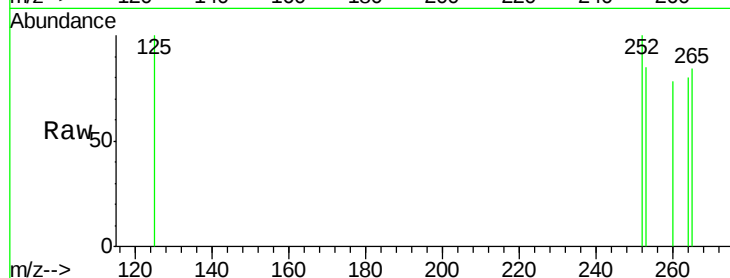
Tgt Ion:252 Resp: 23

Ion Ratio Lower Upper

252 100

253 85.5 19.0 28.6#

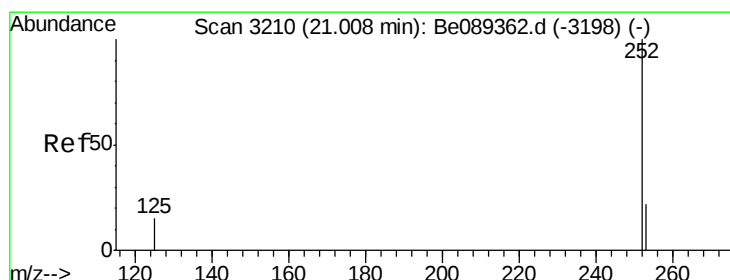
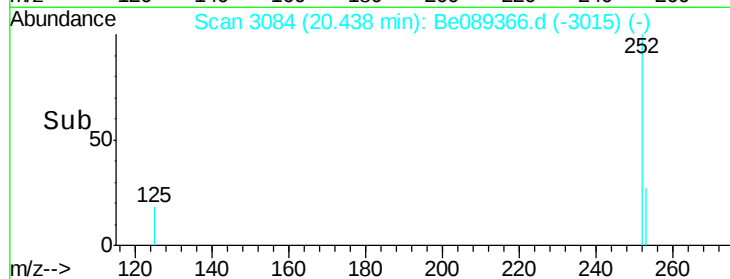
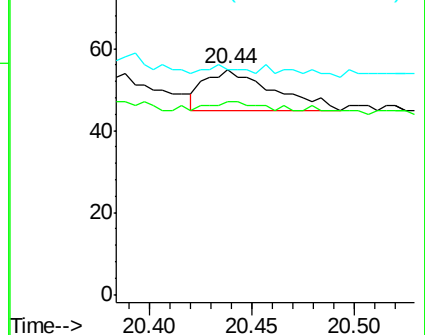
125 100.0 13.5 20.3#



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: 0.00 ng/ul

RT: 21.02 min Scan# 3211

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

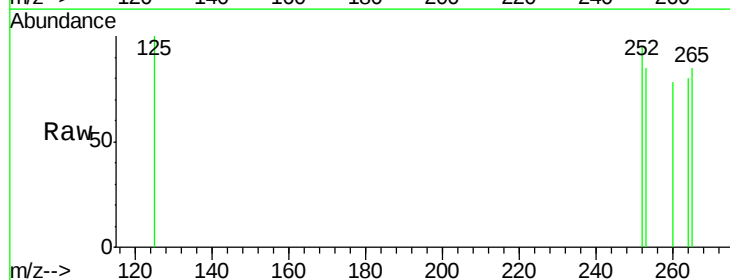
Tgt Ion:252 Resp: 22

Ion Ratio Lower Upper

252 100

253 90.4 19.7 29.5#

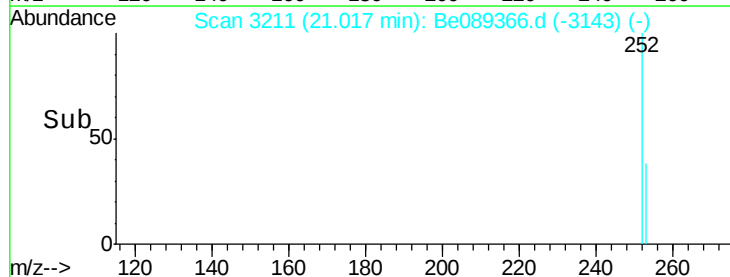
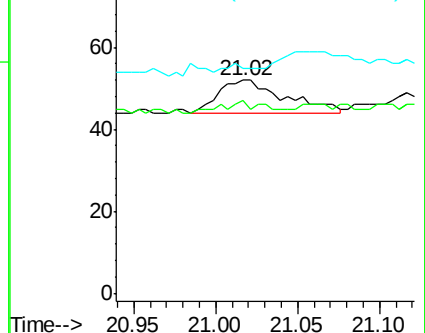
125 105.8 15.0 22.6#

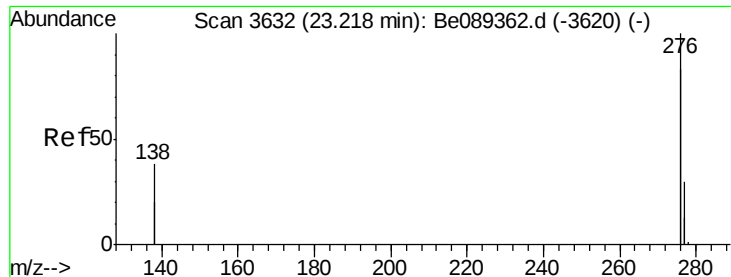


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.00 ng/ul

RT: 23.25 min Scan# 3635

Delta R.T. 0.03 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampleId :

Y9R99

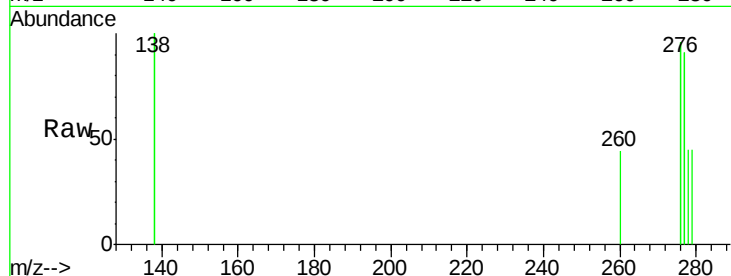
Tgt Ion:276 Resp: 75

Ion Ratio Lower Upper

276 100

138 5.3 23.8 35.8#

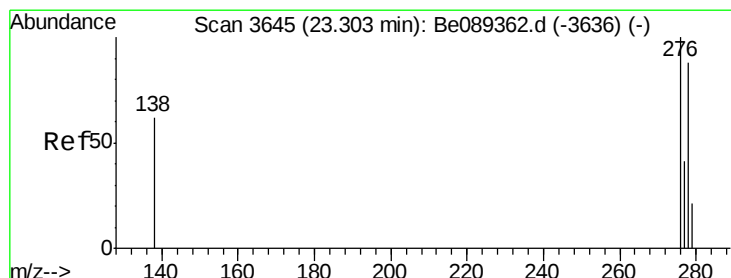
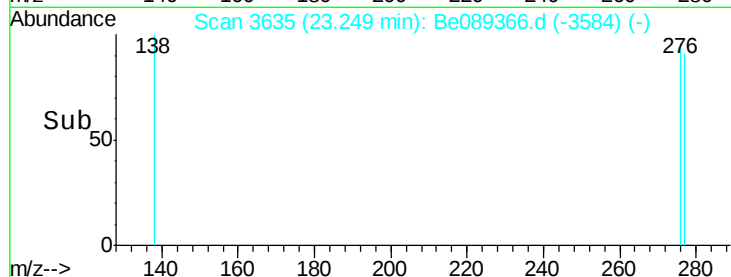
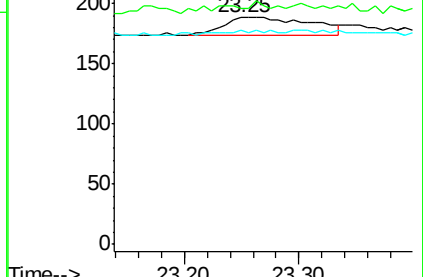
277 8.0 18.9 28.3#



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: 0.00 ng/ul

RT: 23.31 min Scan# 3644

Delta R.T. 0.01 min

Lab File: Be089366.d

Acq: 8 Jan 2015 15:11

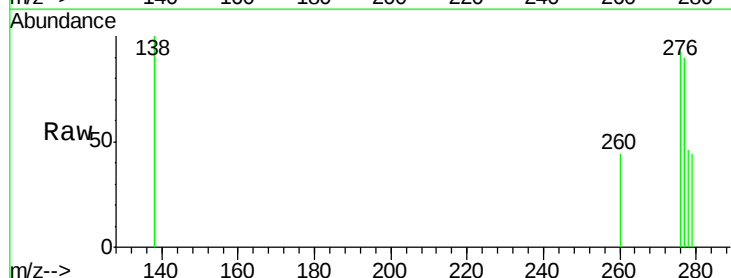
Tgt Ion:278 Resp: 8

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

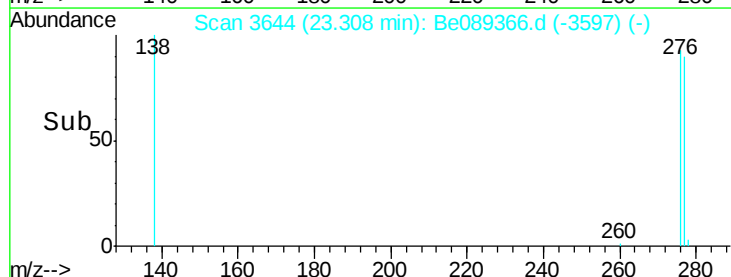
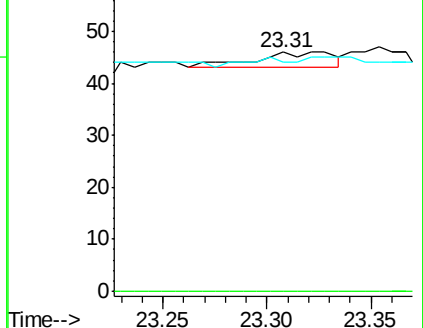
279 95.7 24.0 36.0#

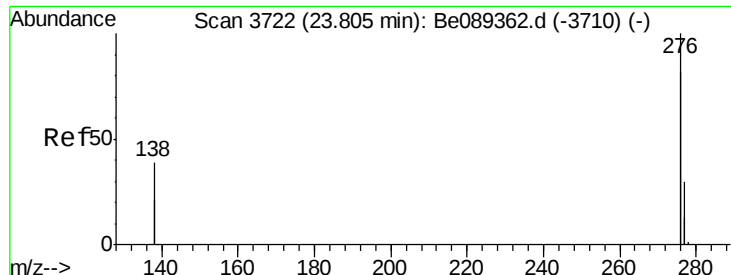


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/ul

RT: 23.84 min Scan# 3725

Delta R.T. 0.03 min

Lab File: Be089366.d

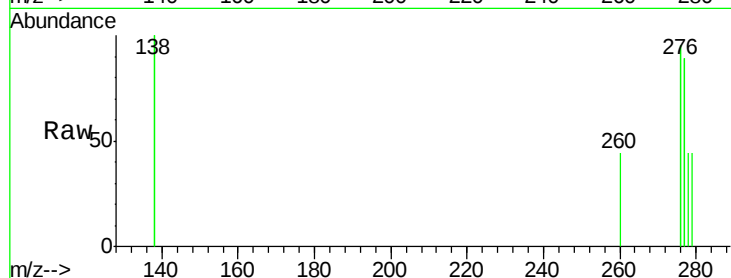
Acq: 8 Jan 2015 15:11

Instrument :

BNA_E

ClientSampleId :

Y9R99



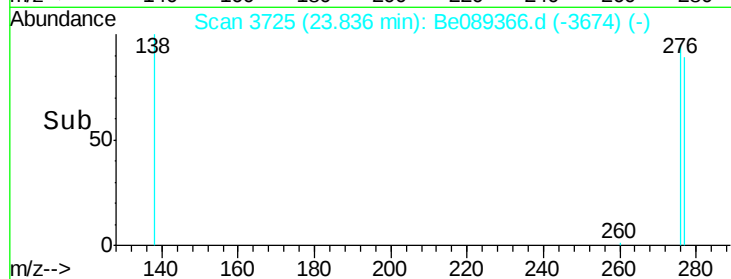
Tgt Ion: 276 Resp: 110

Ion Ratio Lower Upper

276 100

277 93.8 22.3 33.5#

138 105.2 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

23.84

200

150

100

50

0

Time--> 23.70 23.80 23.90 24.00