

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010215\
 Data File : Be089306.d
 Acq On : 2 Jan 2015 14:50
 Operator : TP/IZ
 Sample : F5245-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9RB0

Quant Time: Jan 02 22:39:55 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 02 22:03:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1890	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	7560	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	3776	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.70	188	5807	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	3756	0.40	ng/ul	0.00
22) Perylene-d12	21.11	264	2979	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.13	96	31	0.01	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.89	212	2	0.00	ng/ul	-0.02

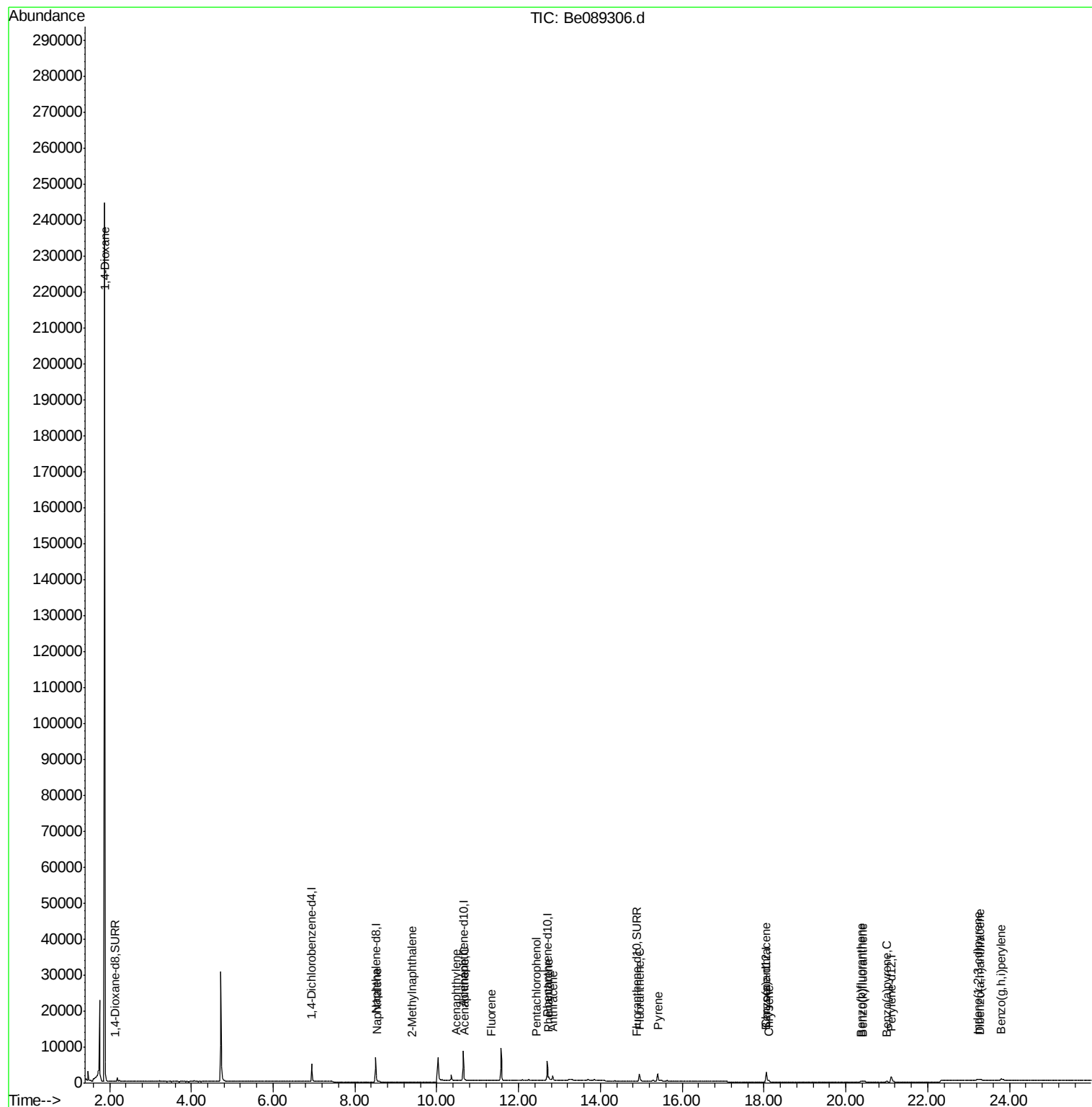
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	1.88	88	7838	2.48	ng/ul#	1
5) Naphthalene	8.53	128	165	0.01	ng/ul#	34
7) 2-Methylnaphthalene	9.39	142	82	0.01	ng/ul	97
9) Acenaphthylene	10.47	152	104	0.00	ng/ul#	1
10) Acenaphthene	10.68	153	179	0.00	ng/ul#	50
11) Fluorene	11.34	166	52	0.00	ng/ul#	68
13) Pentachlorophenol	12.45	266	21	0.03	ng/ul	95
14) Phenanthrene	12.74	178	1193	0.02	ng/ul#	59
15) Anthracene	12.84	178	1359	0.02	ng/ul#	68
17) Fluoranthene	14.95	202	2880	0.05	ng/ul	84
19) Pyrene	15.40	202	3065	0.06	ng/ul#	84
20) Benzo(a)anthracene	18.04	228	635	0.07	ng/ul#	85
21) Chrysene	18.12	228	709	0.07	ng/ul#	83
23) Benzo(b)fluoranthene	20.36	252	462	0.06	ng/ul#	63
24) Benzo(k)fluoranthene	20.42	252	645	0.07	ng/ul#	66
25) Benzo(a)pyrene	21.00	252	443	0.06	ng/ul#	65
26) Indeno(1,2,3-cd)pyrene	23.22	276	1142	0.05	ng/ul	99
27) Dibenzo(a,h)anthracene	23.30	278	325	0.05	ng/ul#	52
28) Benzo(g,h,i)perylene	23.80	276	1858	0.06	ng/ul#	58

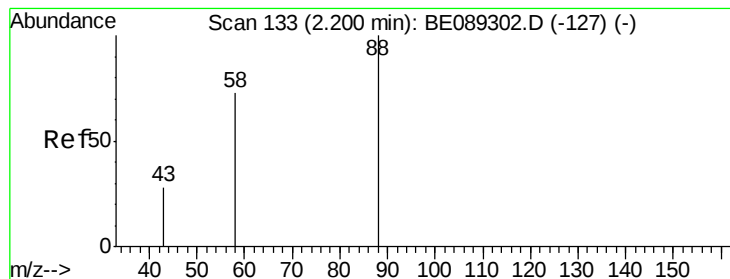
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.48 ng/ul

RT: 1.88 min Scan# 80

Delta R.T. -0.32 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0

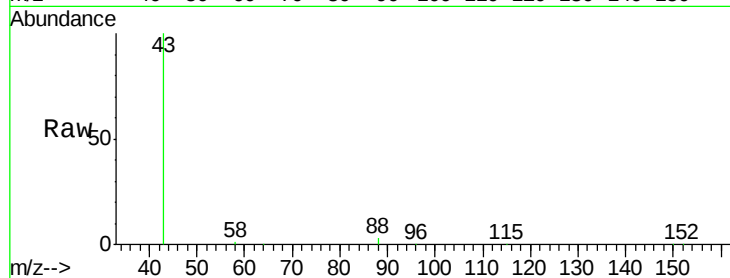
Tgt Ion: 88 Resp: 7838

Ion Ratio Lower Upper

88 100

58 30.2 61.5 92.3#

43 3089.8 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

300000

250000

200000

150000

100000

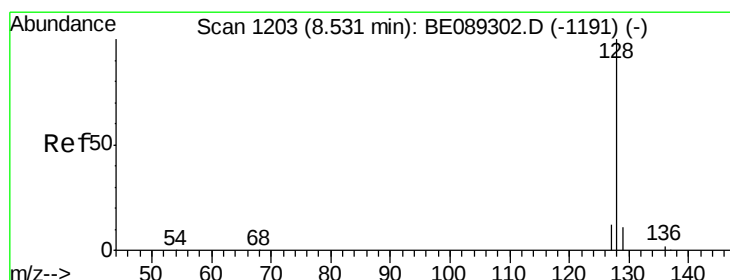
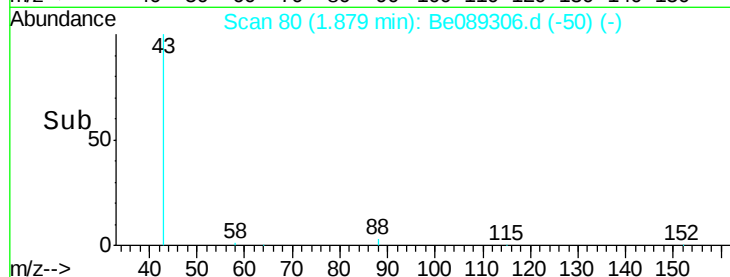
50000

0

1.88

1.80 1.85 1.90 1.95 2.00

Time-->



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

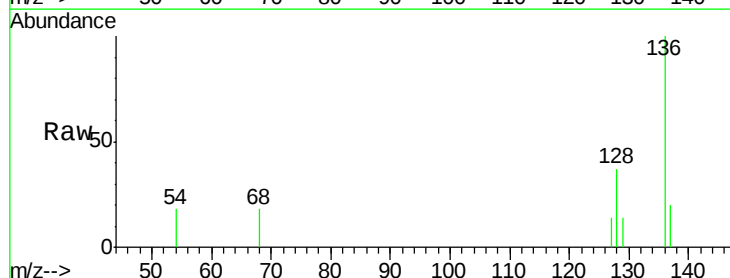
Tgt Ion: 128 Resp: 165

Ion Ratio Lower Upper

128 100

129 37.2 9.1 13.7#

127 37.8 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

200

150

100

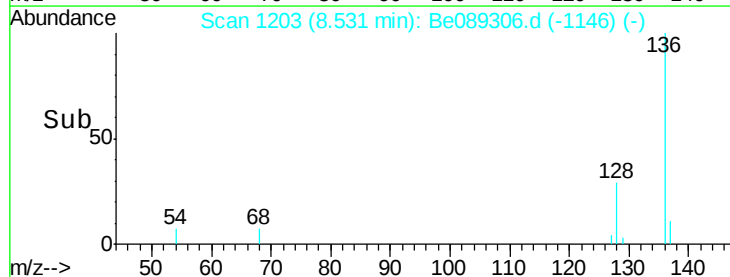
50

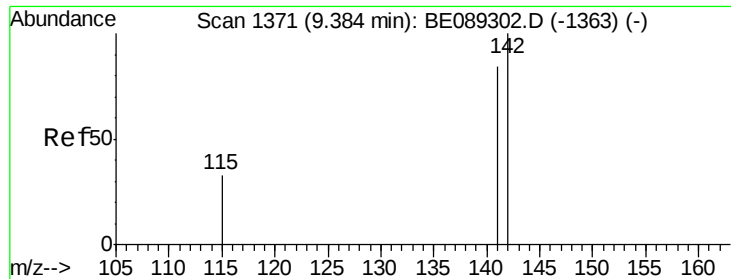
0

8.53

8.45 8.50 8.55 8.60

Time-->





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.39 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampled :

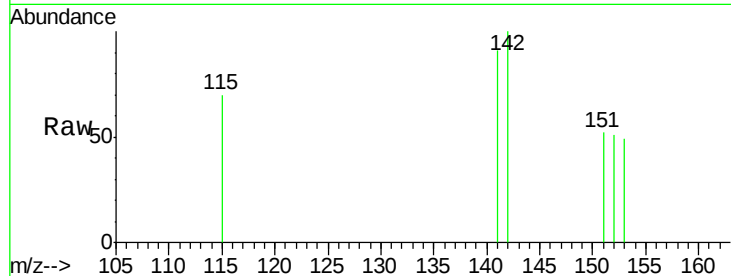
Y9RB0

Tgt Ion:142 Resp: 82

Ion Ratio Lower Upper

142 100

141 79.3 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

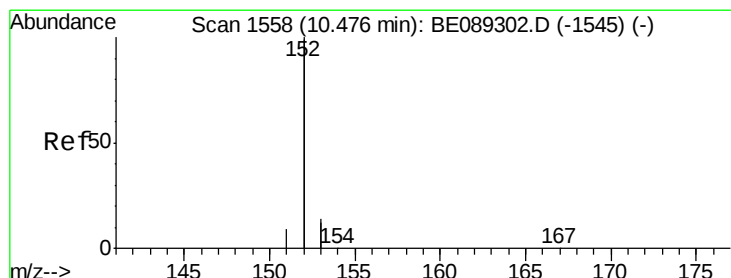
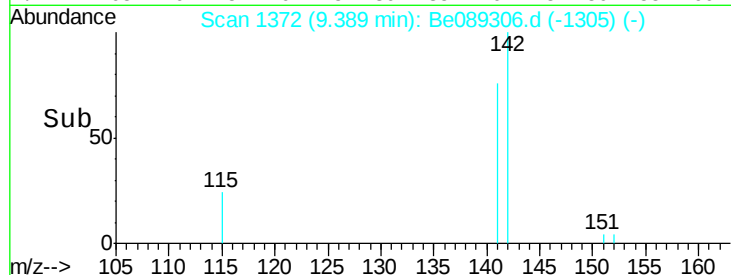
60

40

20

0

Time--> 9.30 9.35 9.40 9.45



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.47 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

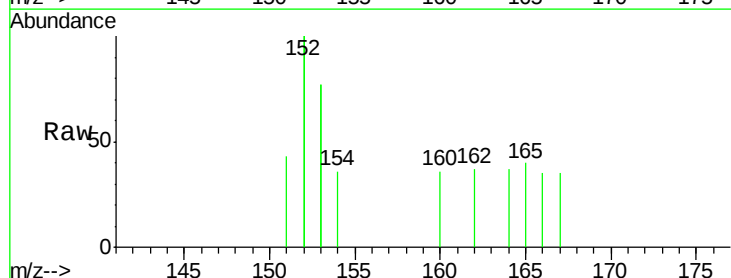
Tgt Ion:152 Resp: 104

Ion Ratio Lower Upper

152 100

151 21.6 4.0 6.0#

153 76.5 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

10.47

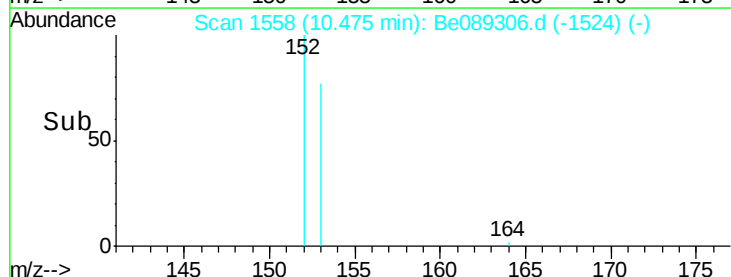
300

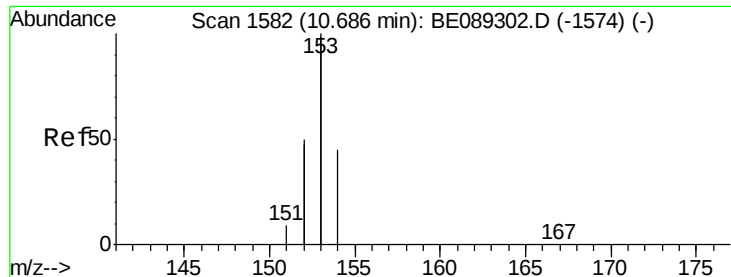
200

100

0

Time--> 10.40 10.45 10.50 10.55





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 10.68 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0

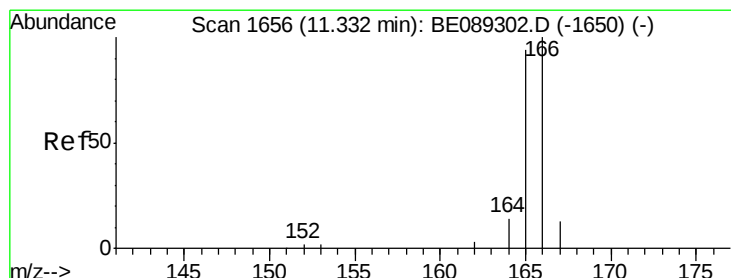
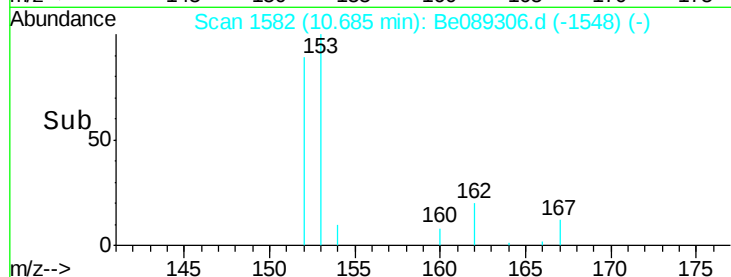
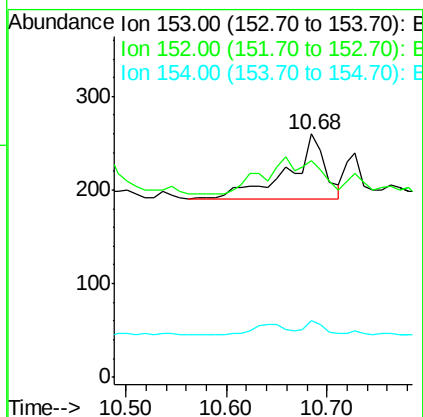
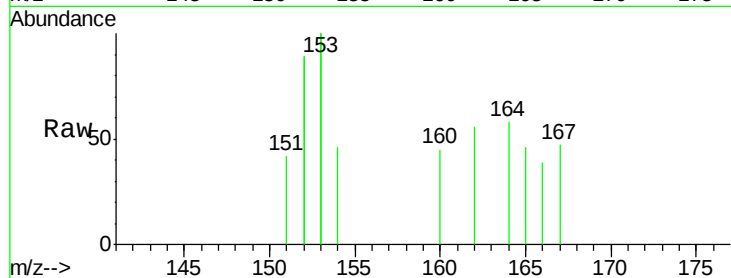
Tgt Ion:153 Resp: 179

Ion Ratio Lower Upper

153 100

152 89.2 32.6 49.0#

154 23.1 21.8 32.6



#11

Fluorene

Concen: 0.00 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

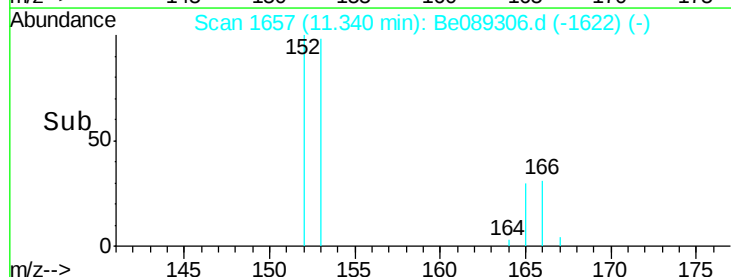
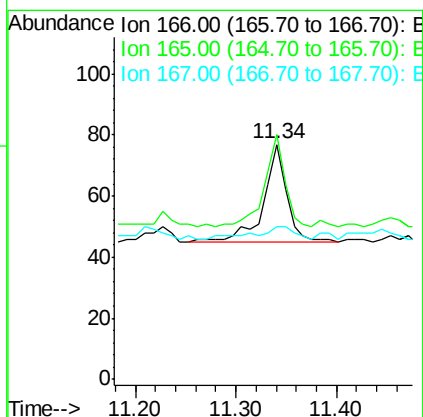
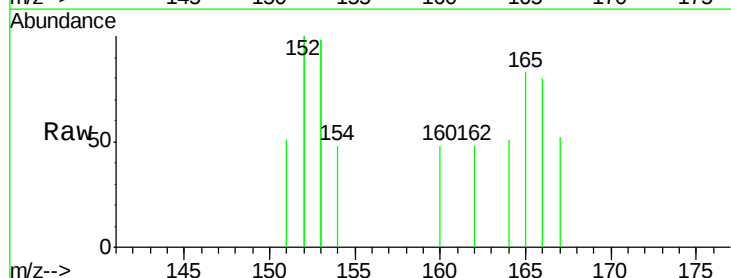
Tgt Ion:166 Resp: 52

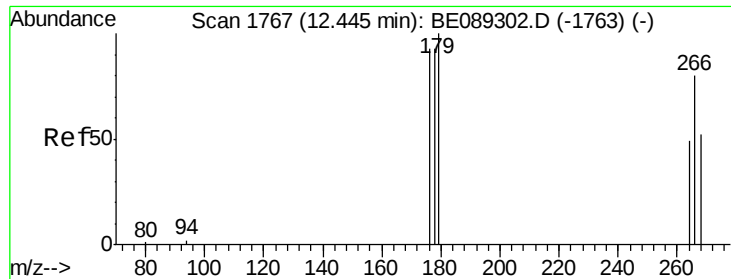
Ion Ratio Lower Upper

166 100

165 103.9 70.3 105.5

167 64.9 11.5 17.3#





#13

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 12.45 min Scan# 1767

Delta R.T. 0.00 min

Lab File: Be089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0

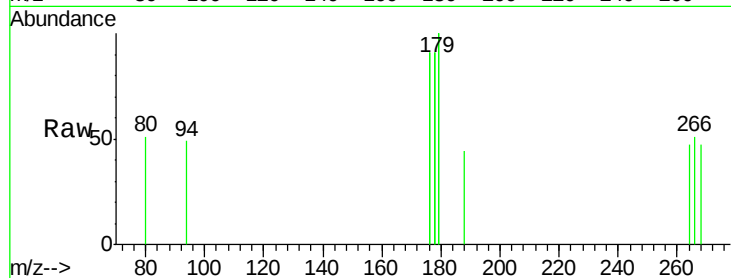
Tgt Ion: 266 Resp: 21

Ion Ratio Lower Upper

266 100

264 57.1 48.7 73.1

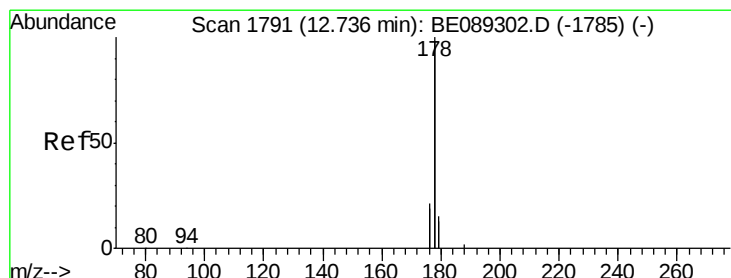
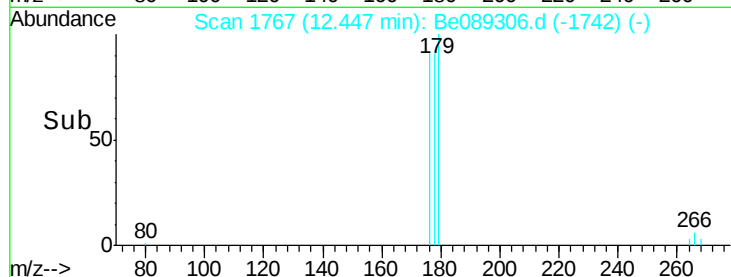
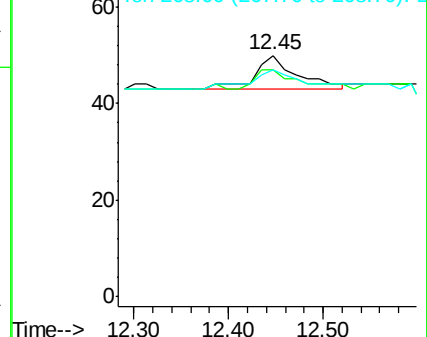
268 61.9 52.9 79.3



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: 0.02 ng/ul

RT: 12.74 min Scan# 1791

Delta R.T. 0.00 min

Lab File: Be089306.d

Acq: 2 Jan 2015 14:50

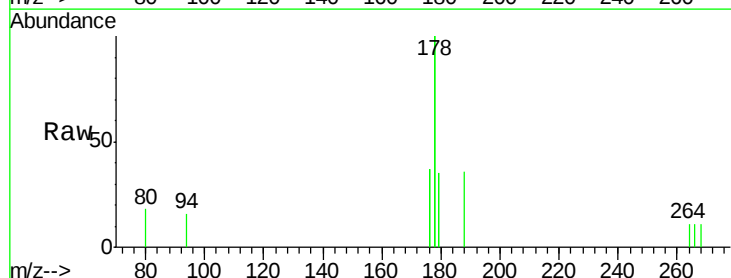
Tgt Ion: 178 Resp: 1193

Ion Ratio Lower Upper

178 100

176 36.7 14.3 21.5#

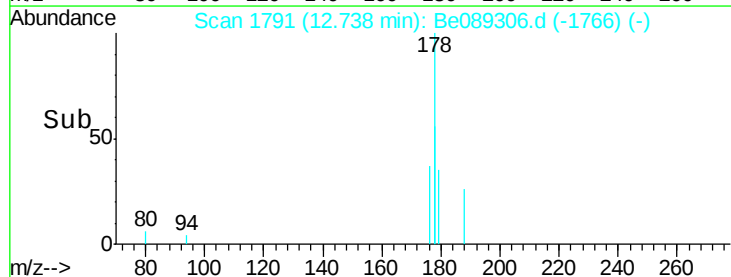
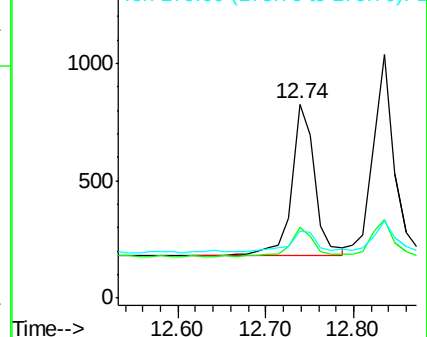
179 34.8 13.8 20.8#

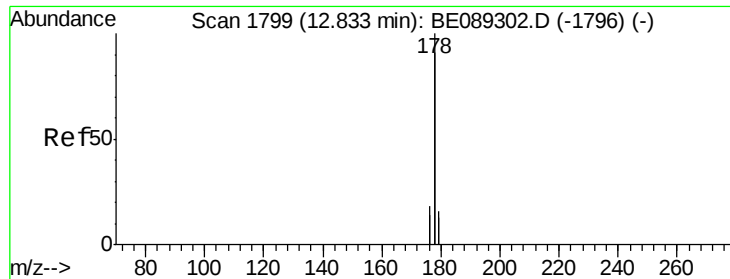


Abundance Ion 178.00 (177.70 to 178.70): E

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: 12.84 min Scan# 1799

Delta R.T. 0.00 min

Lab File: Be089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0

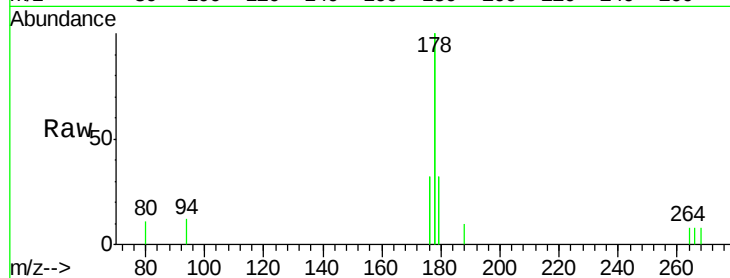
Tgt Ion:178 Resp: 1359

Ion Ratio Lower Upper

178 100

176 32.0 14.7 22.1#

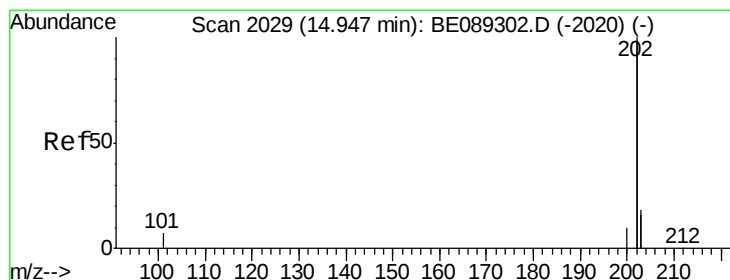
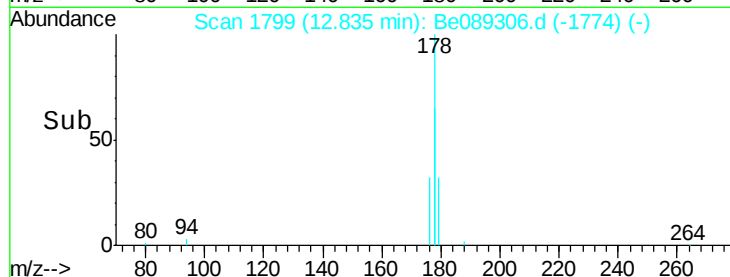
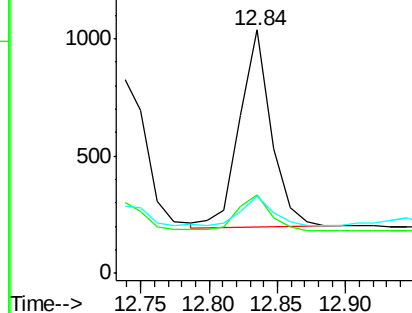
179 31.6 13.4 20.2#



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: 0.05 ng/ul

RT: 14.95 min Scan# 2030

Delta R.T. 0.01 min

Lab File: Be089306.d

Acq: 2 Jan 2015 14:50

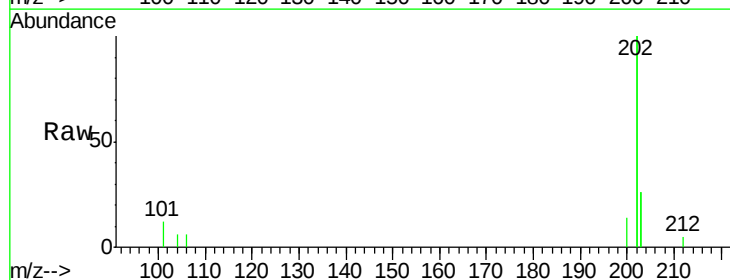
Tgt Ion:202 Resp: 2880

Ion Ratio Lower Upper

202 100

101 6.2 0.0 24.6

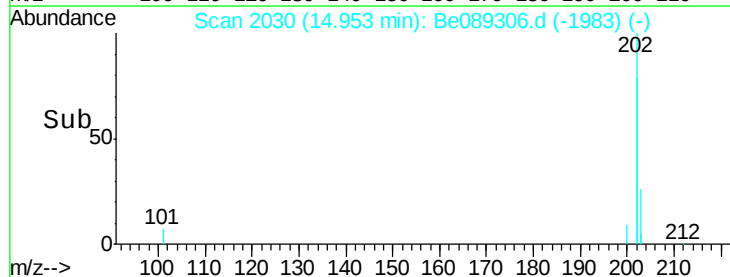
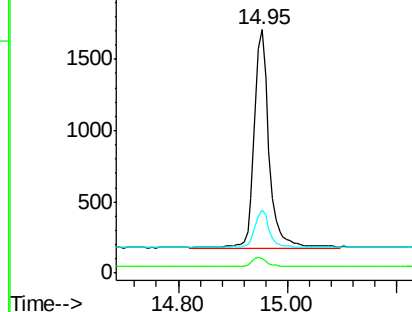
203 25.9 0.0 37.8

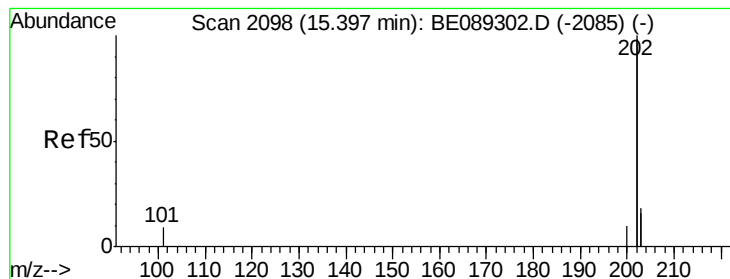


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.06 ng/u1

RT: 15.40 min Scan# 2099

Delta R.T. 0.01 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0

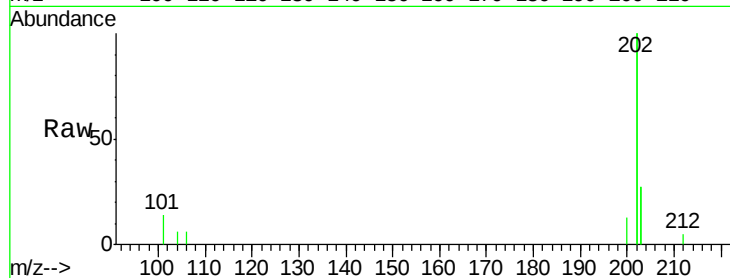
Tgt Ion:202 Resp: 3065

Ion Ratio Lower Upper

202 100

200 6.7 4.2 6.4#

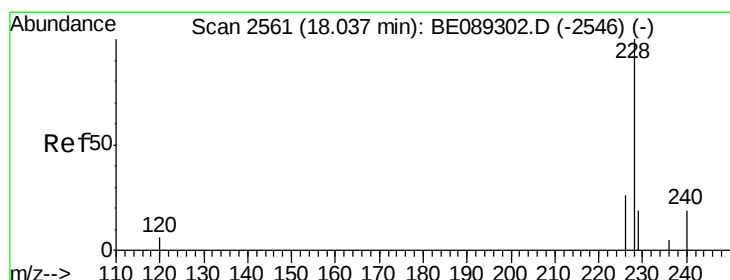
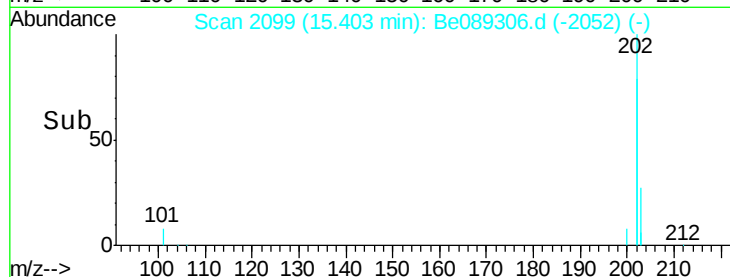
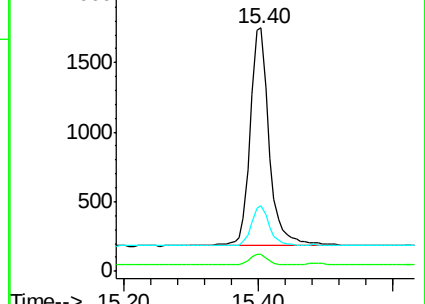
203 26.7 14.4 21.6#



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/u1

RT: 18.04 min Scan# 2562

Delta R.T. 0.00 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

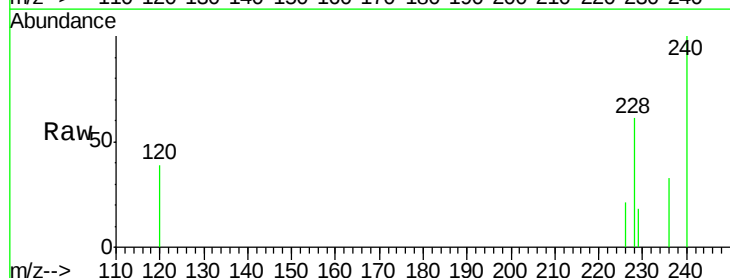
Tgt Ion:228 Resp: 635

Ion Ratio Lower Upper

228 100

226 34.7 21.9 32.9#

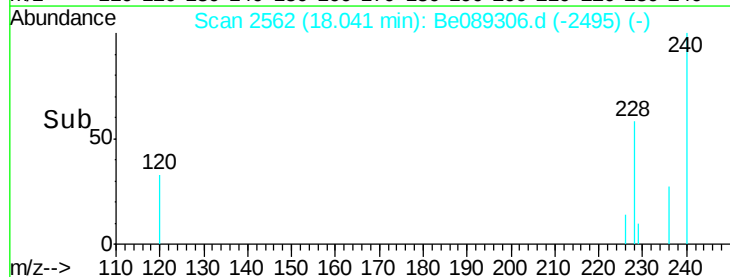
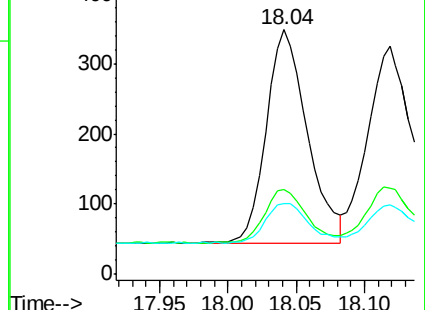
229 28.7 16.9 25.3#

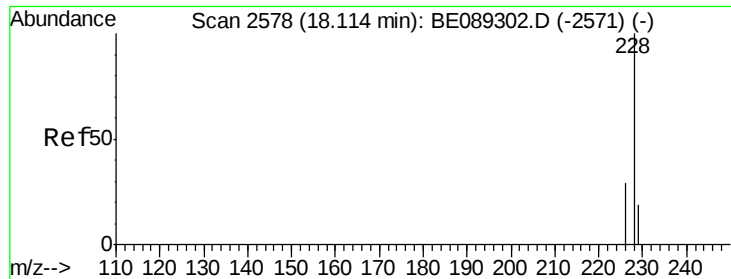


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.07 ng/ul

RT: 18.12 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0

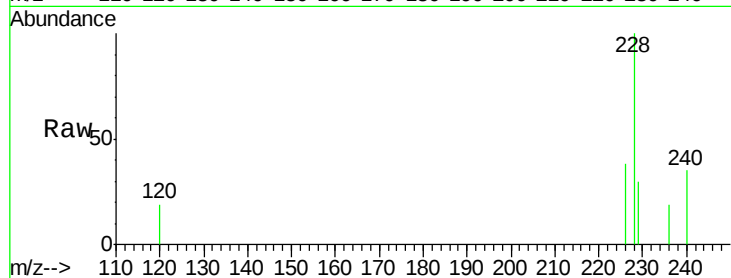
Tgt Ion:228 Resp: 709

Ion Ratio Lower Upper

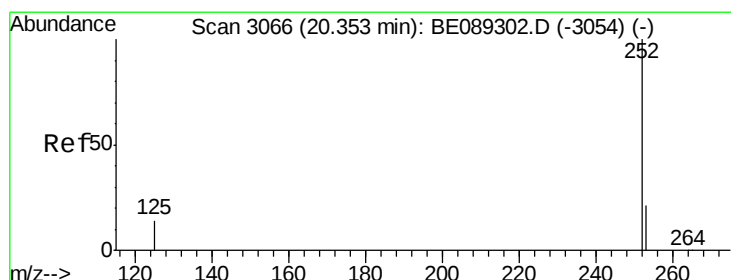
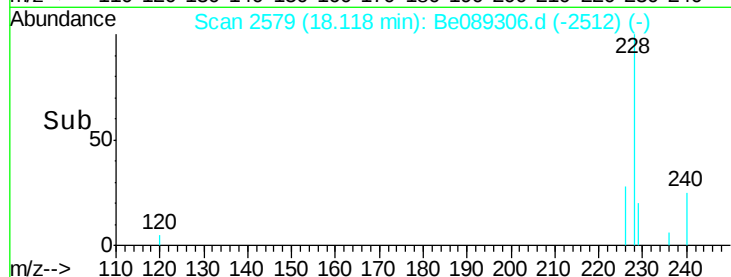
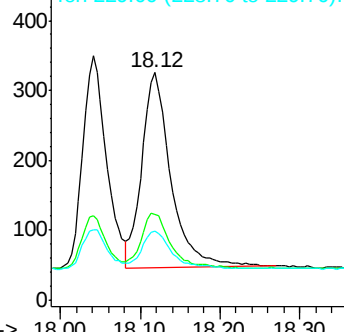
228 100

226 37.5 23.9 35.9#

229 30.5 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



#23

Benzo(b)fluoranthene

Concen: 0.06 ng/ul

RT: 20.36 min Scan# 3068

Delta R.T. 0.01 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

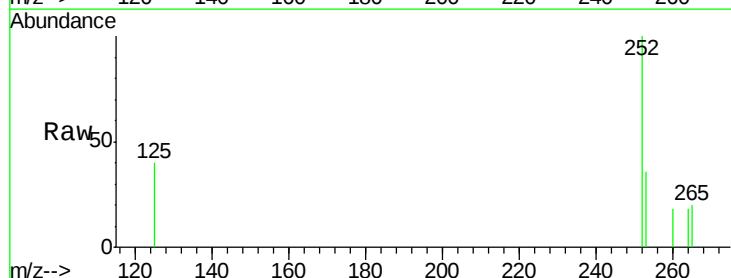
Tgt Ion:252 Resp: 462

Ion Ratio Lower Upper

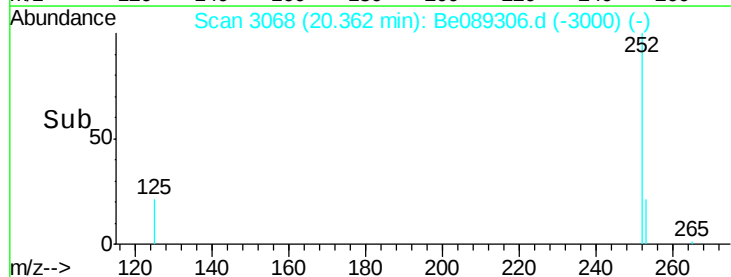
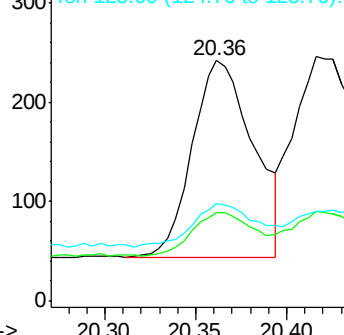
252 100

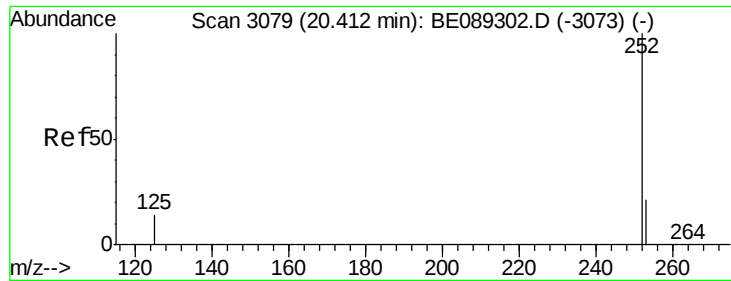
253 36.4 0.0 47.8

125 40.1 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: 0.07 ng/ul

RT: 20.42 min Scan# 3080

Delta R.T. 0.00 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0

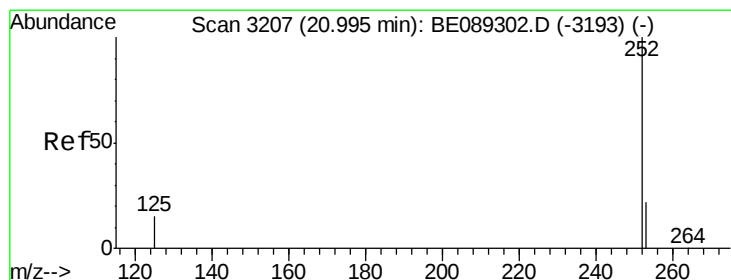
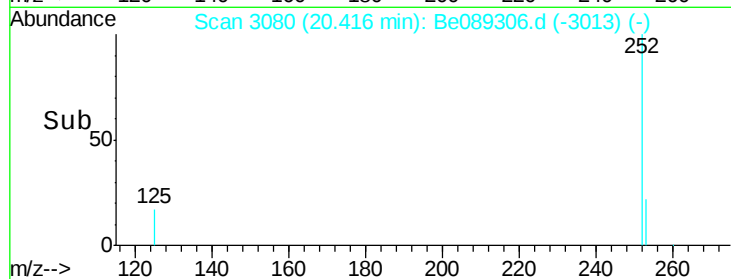
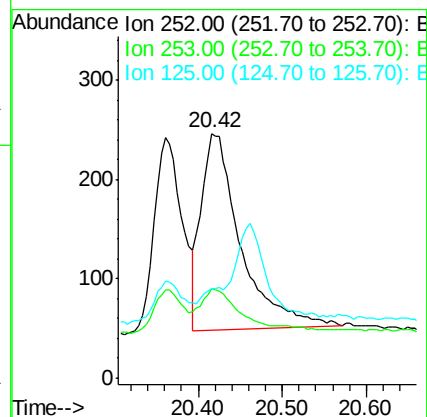
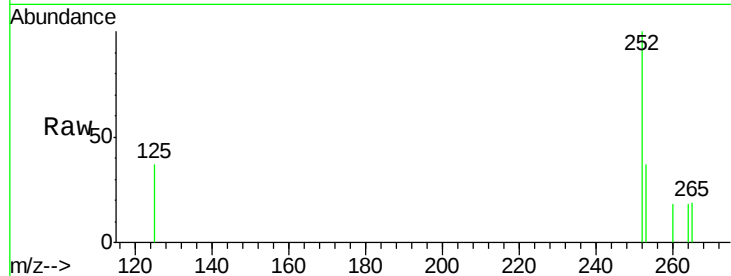
Tgt Ion:252 Resp: 645

Ion Ratio Lower Upper

252 100

253 36.6 19.0 28.6#

125 36.6 13.5 20.3#



#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 21.00 min Scan# 3208

Delta R.T. 0.00 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

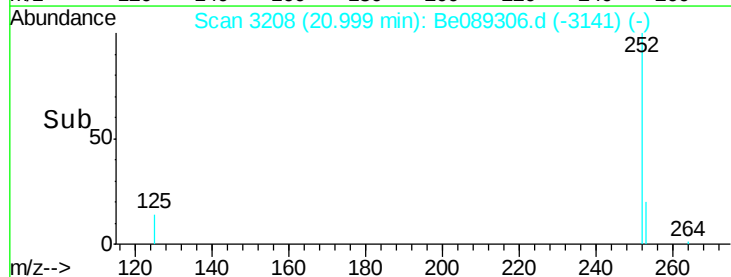
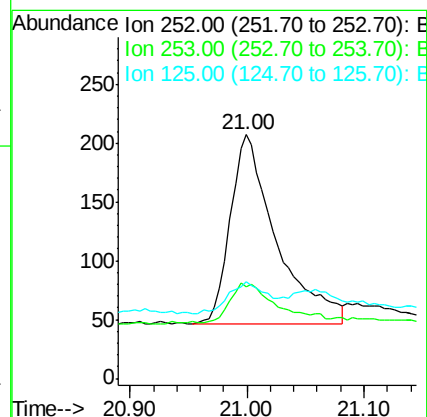
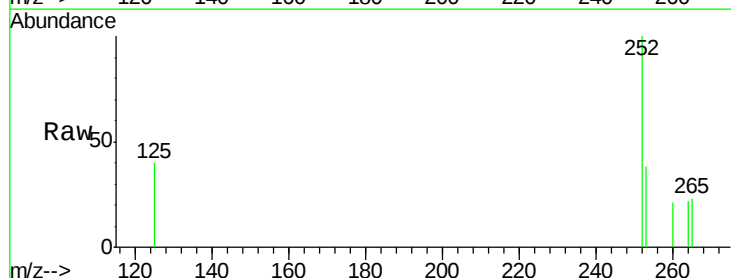
Tgt Ion:252 Resp: 443

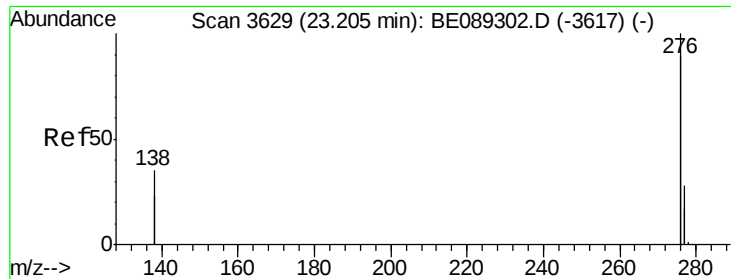
Ion Ratio Lower Upper

252 100

253 37.7 19.7 29.5#

125 39.6 15.0 22.6#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 23.22 min Scan# 3631

Delta R.T. 0.01 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0

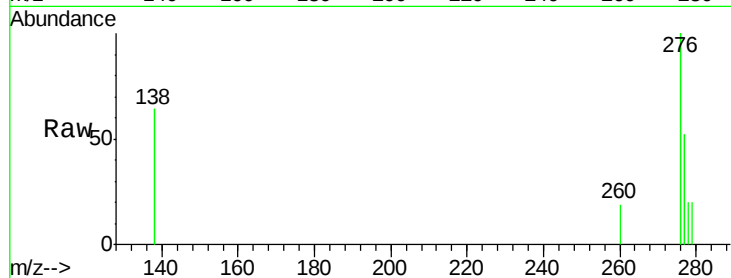
Tgt Ion: 276 Resp: 1142

Ion Ratio Lower Upper

276 100

138 29.2 23.8 35.8

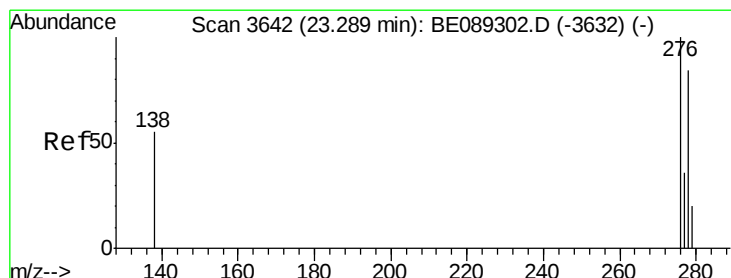
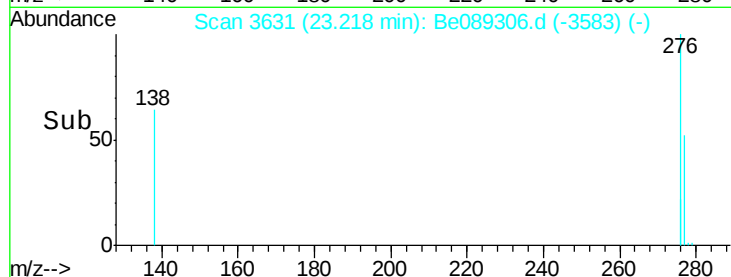
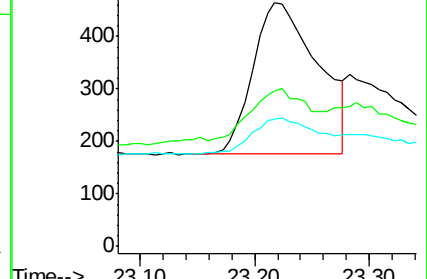
277 24.5 18.9 28.3



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: 23.30 min Scan# 3643

Delta R.T. 0.01 min

Lab File: BE089306.d

Acq: 2 Jan 2015 14:50

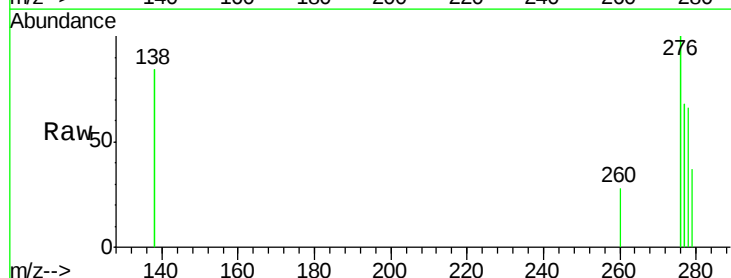
Tgt Ion: 278 Resp: 325

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

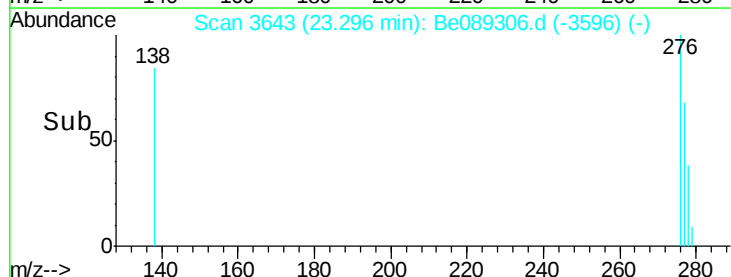
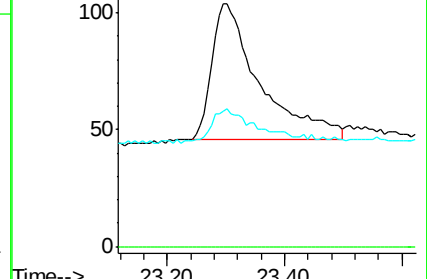
279 55.8 24.0 36.0#

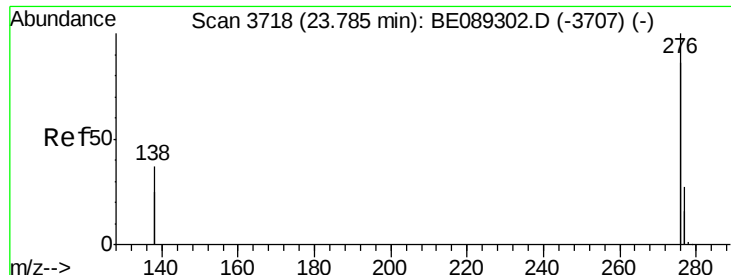


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.06 ng/ul

RT: 23.80 min Scan# 3721

Delta R.T. 0.02 min

Lab File: BE089306.d

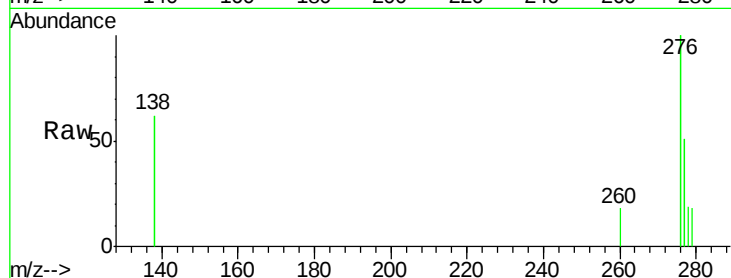
Acq: 2 Jan 2015 14:50

Instrument :

BNA_E

ClientSampleId :

Y9RB0



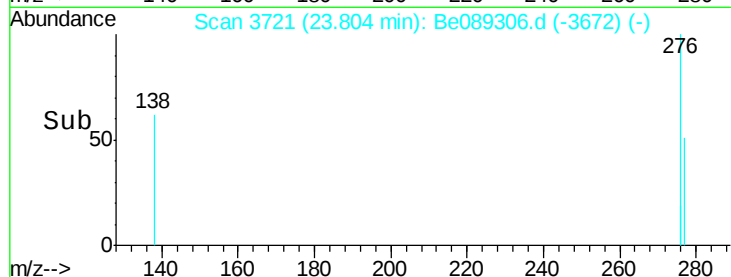
Tgt Ion: 276 Resp: 1858

Ion Ratio Lower Upper

276 100

277 51.4 22.3 33.5#

138 61.5 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

600

400

200

0

23.60

23.80

24.00

Time-->