

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : Be089365.d
 Acq On : 8 Jan 2015 14:38
 Operator : TP/IZ
 Sample : G1029-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Y9R91

Quant Time: Jan 09 02:31:30 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 01:27:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1147	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4562	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2295	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3545	0.40	ng/ul	0.00
18) Chrysene-d12	18.07	240	2679	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2382	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	551	0.32	ng/uL	0.00
6) 2-Methylnaphthalene-d10	0.00	152	0	0.00	ng/ul	
16) Fluoranthene-d10	14.86	212	1	0.00	ng/ul	-0.05

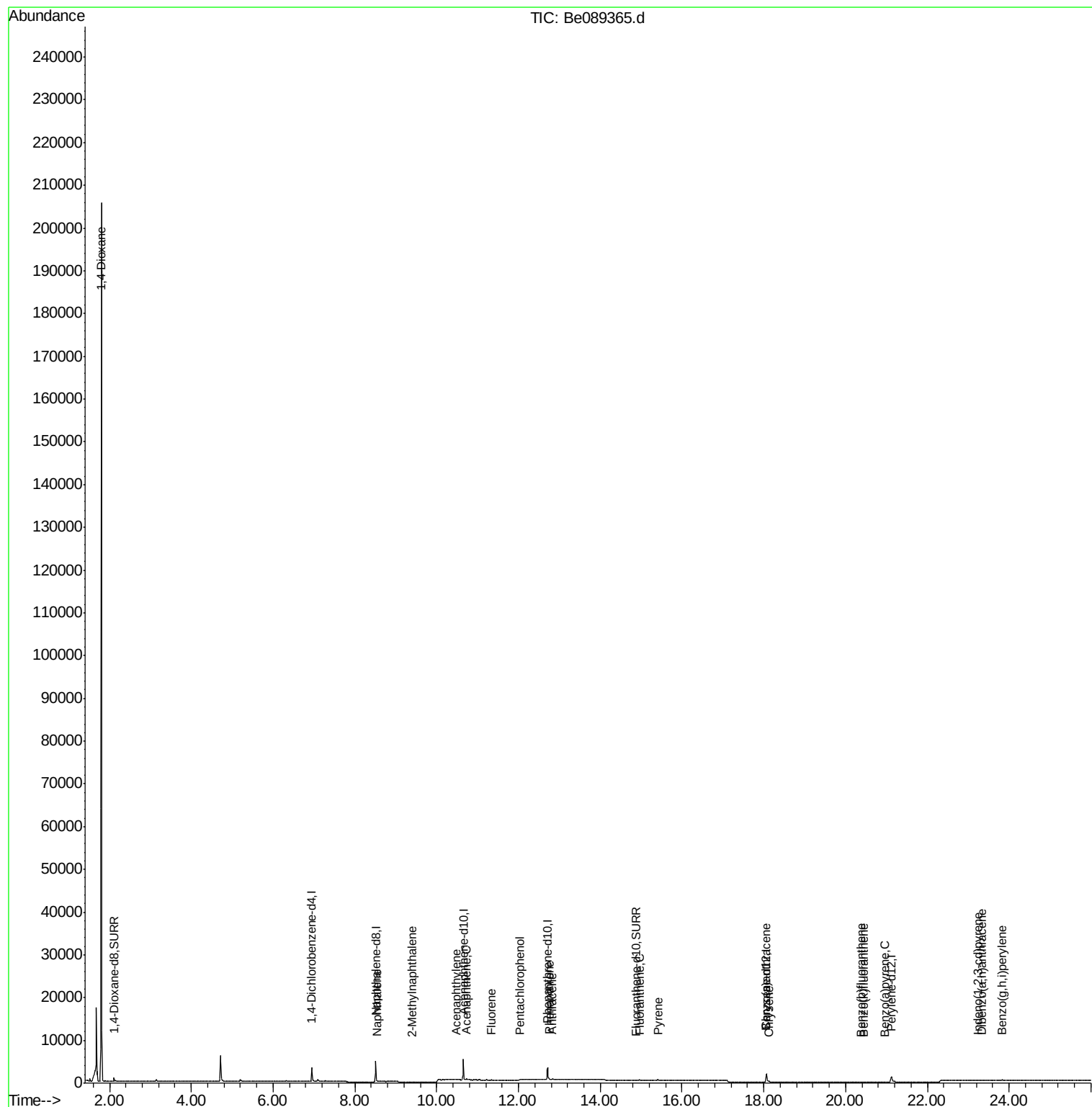
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	1.80	88	6285	3.27	ng/ul#	1
5) Naphthalene	8.54	128	158	0.01	ng/ul#	38
7) 2-Methylnaphthalene	9.39	142	37	0.01	ng/ul	99
9) Acenaphthylene	10.48	152	93	0.00	ng/ul#	1
10) Acenaphthene	10.73	153	440	0.02	ng/ul#	87
11) Fluorene	11.34	166	26	0.00	ng/ul#	66
13) Pentachlorophenol	12.03	266	315	0.86	ng/ul#	16
14) Phenanthrene	12.75	178	304	0.01	ng/ul#	8
15) Anthracene	12.83	178	285	0.01	ng/ul#	1
17) Fluoranthene	14.96	202	428	0.01	ng/ul#	30
19) Pyrene	15.41	202	453	0.01	ng/ul#	32
20) Benzo(a)anthracene	18.05	228	101	0.02	ng/ul#	28
21) Chrysene	18.12	228	92	0.01	ng/ul#	29
23) Benzo(b)fluoranthene	20.38	252	69	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	20.44	252	79	0.01	ng/ul#	1
25) Benzo(a)pyrene	20.95	252	1	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.25	276	309	0.02	ng/ul#	73
27) Dibenzo(a,h)anthracene	23.33	278	36	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	23.83	276	305	0.01	ng/ul#	4

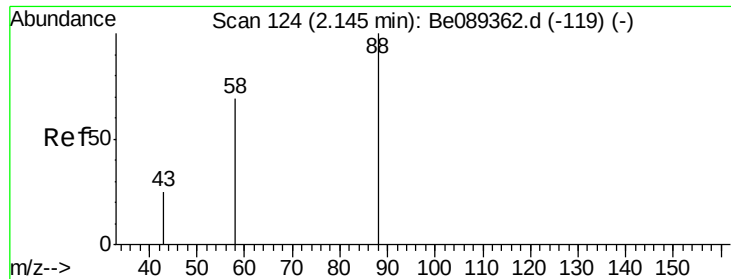
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 3.27 ng/ul

RT: 1.80 min Scan# 67

Delta R.T. -0.34 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampleId :

Y9R91

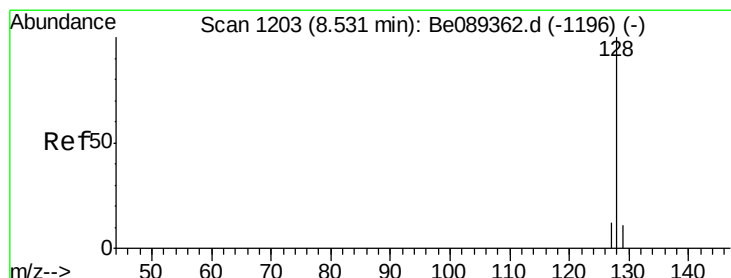
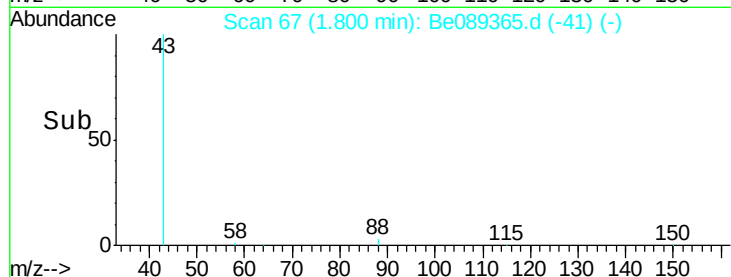
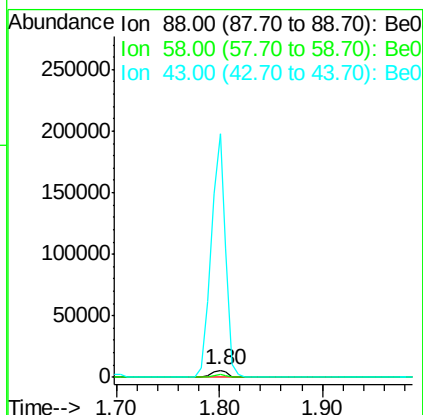
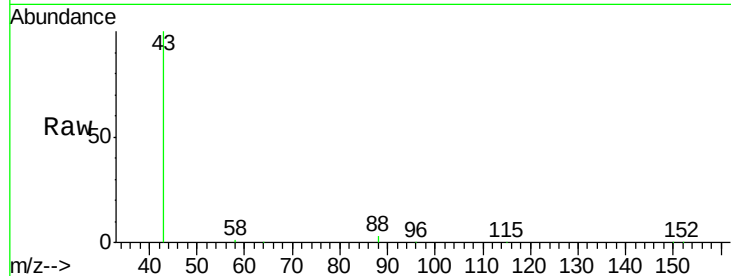
Tgt Ion: 88 Resp: 6285

Ion Ratio Lower Upper

88 100

58 30.0 61.5 92.3#

43 3081.9 23.9 35.9#



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 8.54 min Scan# 1204

Delta R.T. 0.01 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

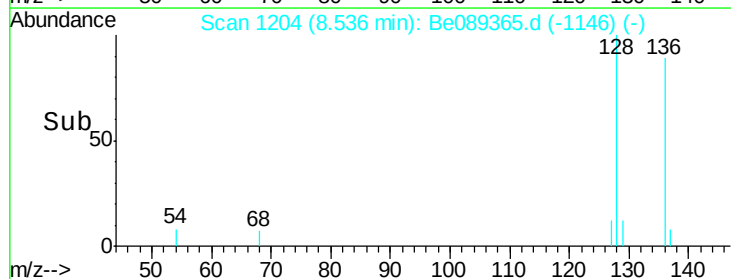
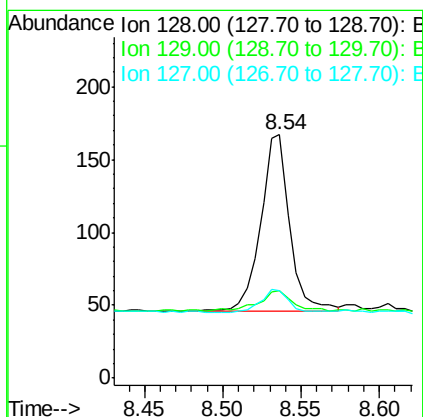
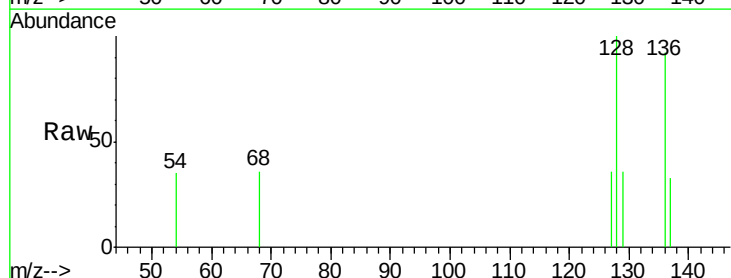
Tgt Ion: 128 Resp: 158

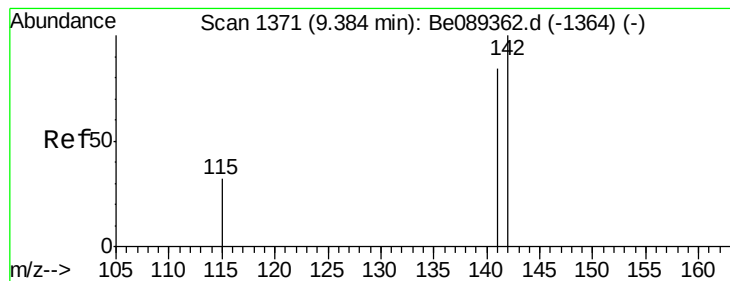
Ion Ratio Lower Upper

128 100

129 35.9 9.1 13.7#

127 35.9 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: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampleId :

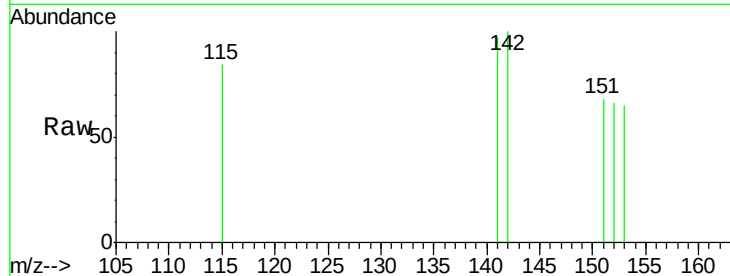
Y9R91

Tgt Ion:142 Resp: 37

Ion Ratio Lower Upper

142 100

141 81.1 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

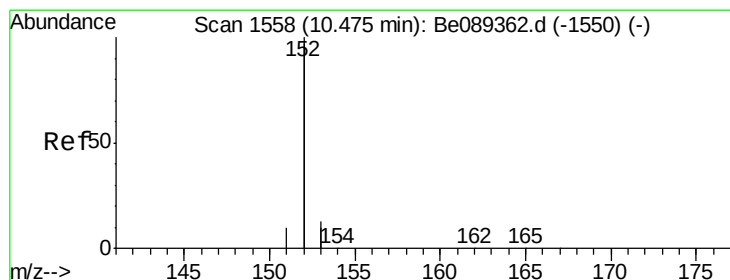
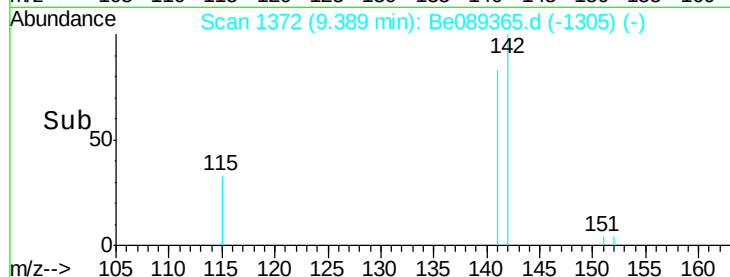
60

40

20

0

Time--> 9.35 9.40 9.45



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.01 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

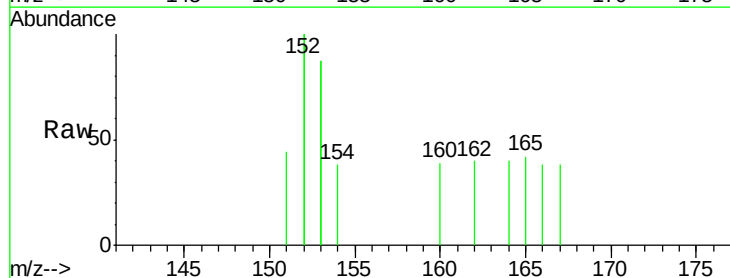
Tgt Ion:152 Resp: 93

Ion Ratio Lower Upper

152 100

151 22.1 4.0 6.0#

153 86.9 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

300

250

200

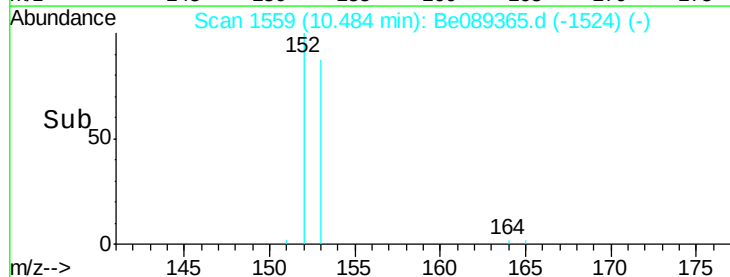
150

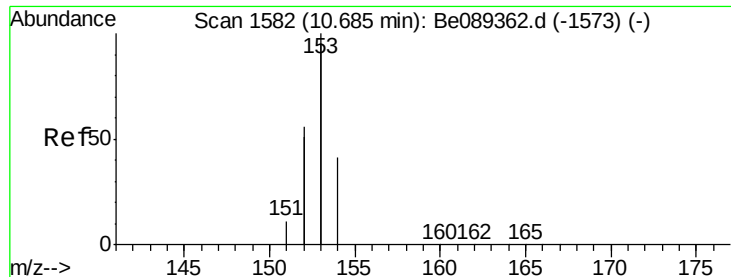
100

50

0

Time--> 10.45 10.50





#10

Acenaphthene

Concen: 0.02 ng/ul

RT: 10.73 min Scan# 1587

Delta R.T. 0.04 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampleId :

Y9R91

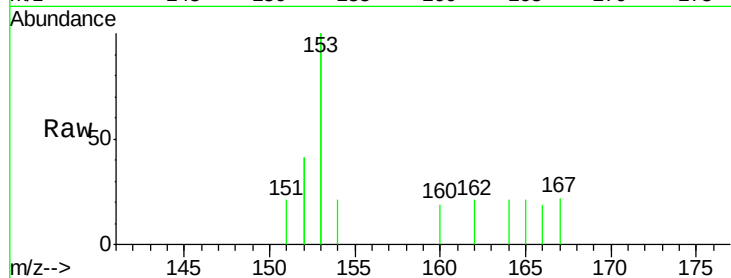
Tgt Ion:153 Resp: 440

Ion Ratio Lower Upper

153 100

152 41.1 32.6 49.0

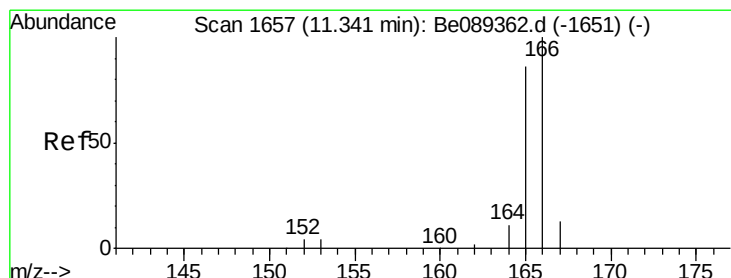
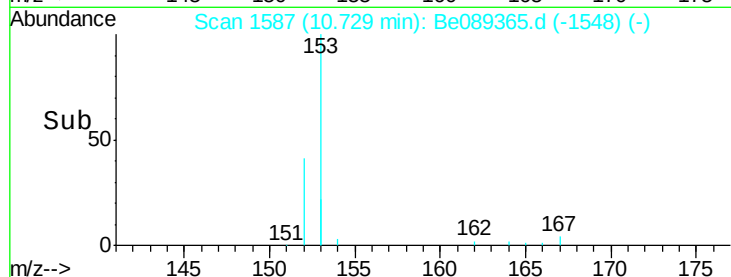
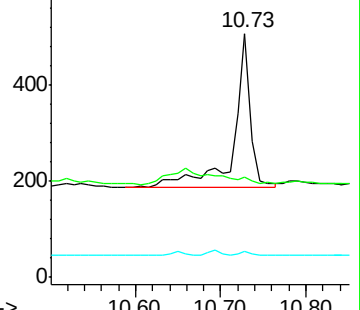
154 10.7 21.8 32.6#



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



#11

Fluorene

Concen: 0.00 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. -0.00 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

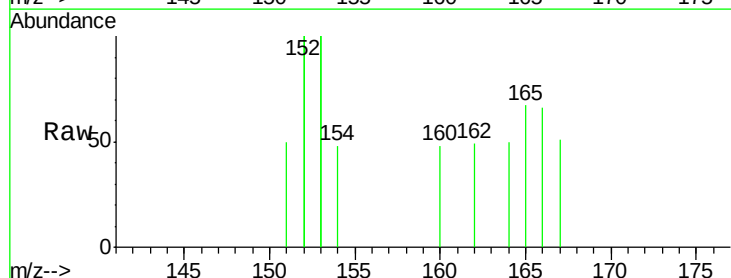
Tgt Ion:166 Resp: 26

Ion Ratio Lower Upper

166 100

165 101.6 70.3 105.5

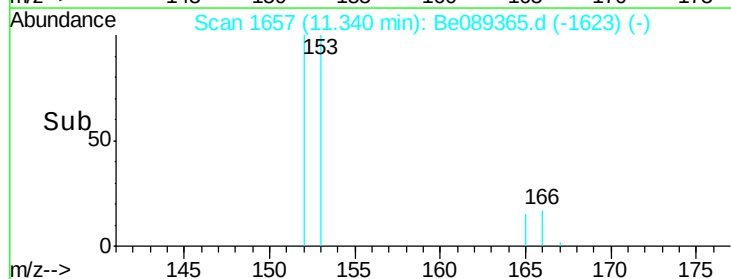
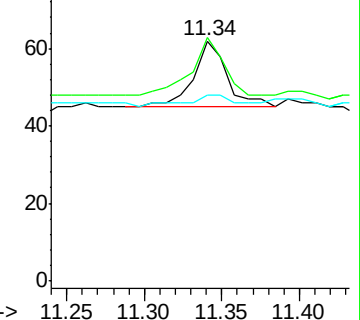
167 77.4 11.5 17.3#

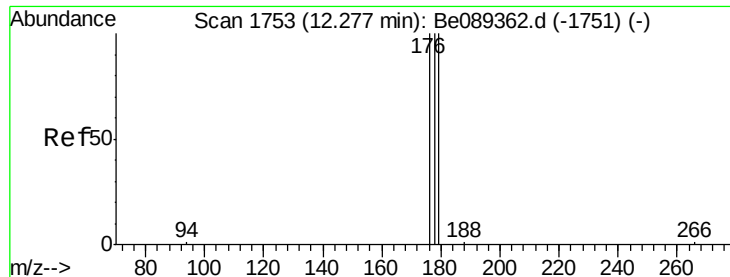


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 0.86 ng/ul

RT: 12.03 min Scan# 1733

Delta R.T. -0.24 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampleId :

Y9R91

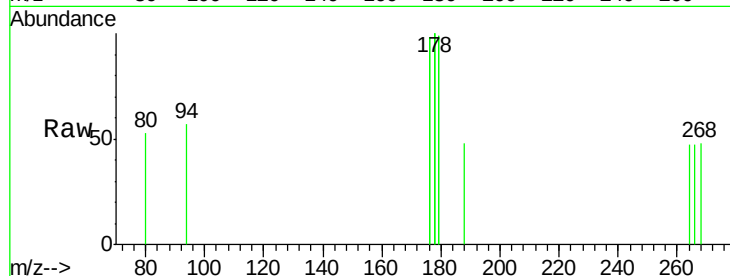
Tgt Ion:266 Resp: 315

Ion Ratio Lower Upper

266 100

264 35.6 48.7 73.1#

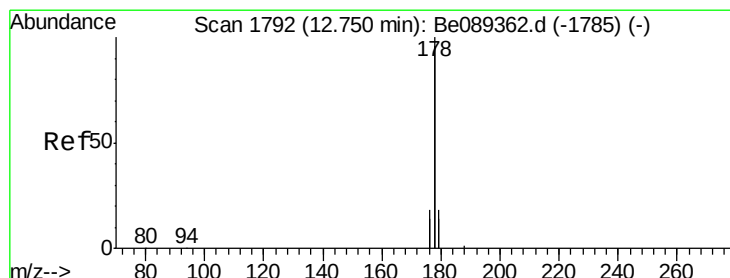
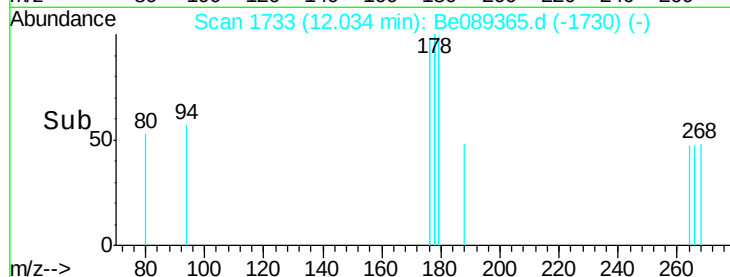
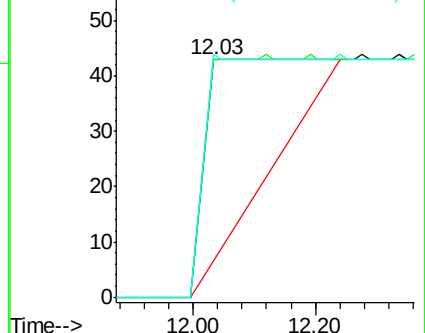
268 170.2 52.9 79.3#



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: Be089365.d

Acq: 8 Jan 2015 14:38

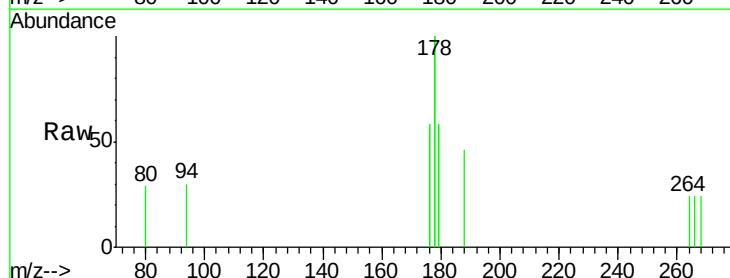
Tgt Ion:178 Resp: 304

Ion Ratio Lower Upper

178 100

176 58.2 14.3 21.5#

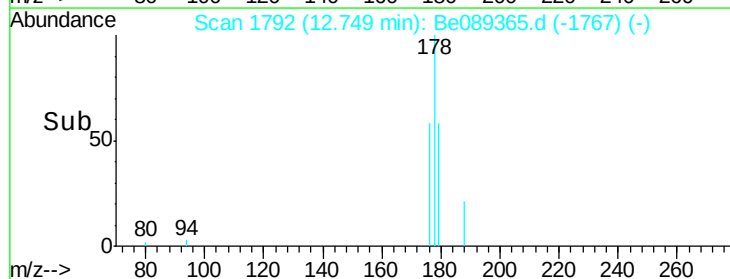
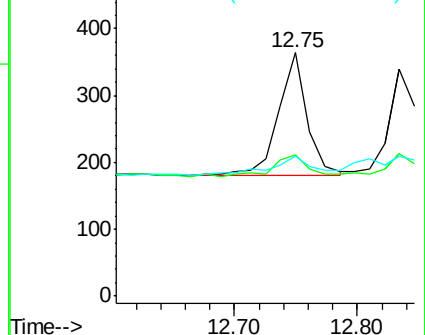
179 57.7 13.8 20.8#

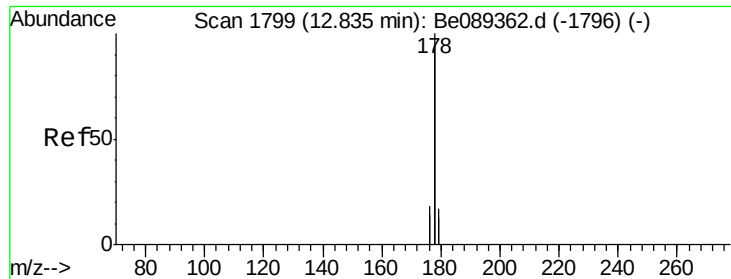


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.01 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. -0.00 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampleId :

Y9R91

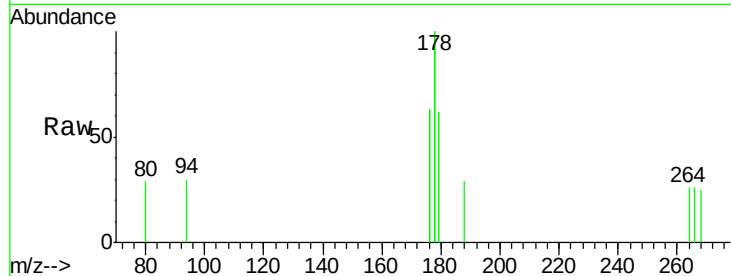
Tgt Ion:178 Resp: 285

Ion Ratio Lower Upper

178 100

176 62.9 14.7 22.1#

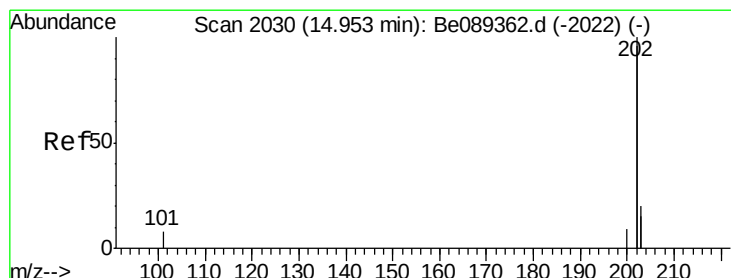
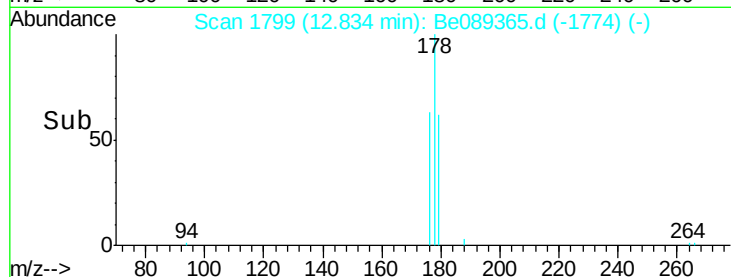
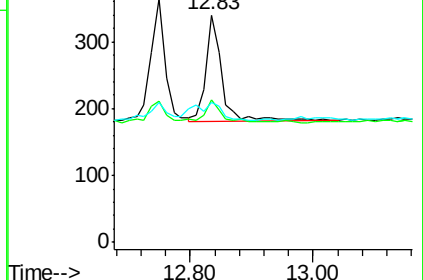
179 61.8 13.4 20.2#



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: 0.01 ng/ul

RT: 14.96 min Scan# 2031

Delta R.T. 0.01 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

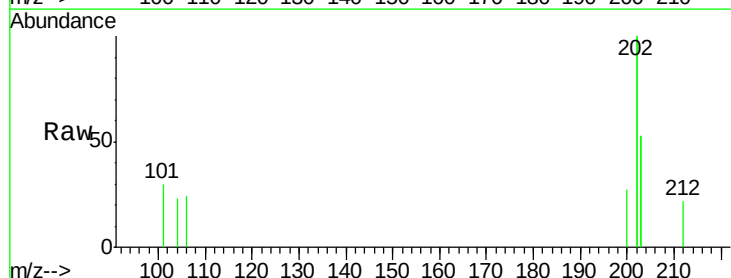
Tgt Ion:202 Resp: 428

Ion Ratio Lower Upper

202 100

101 14.9 0.0 24.6

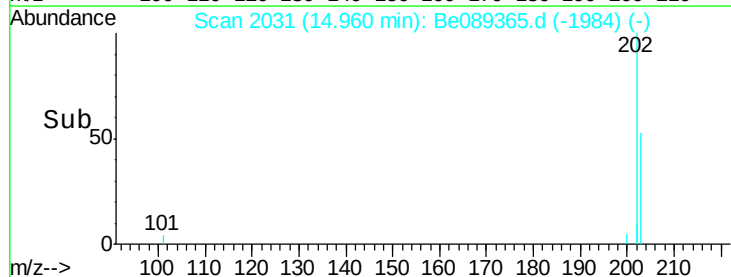
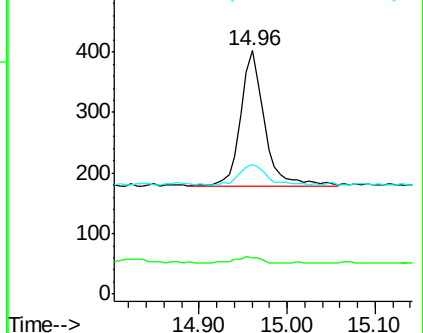
203 53.2 0.0 37.8#

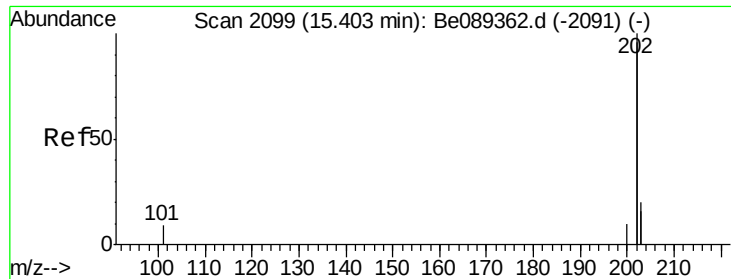


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2100

Delta R.T. 0.01 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampled :

Y9R91

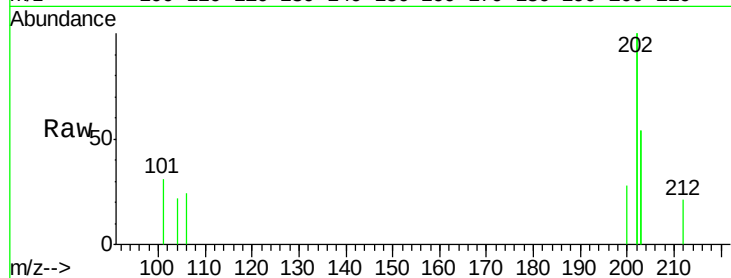
Tgt Ion:202 Resp: 453

Ion Ratio Lower Upper

202 100

200 13.8 4.2 6.4#

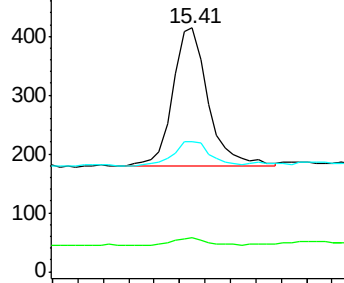
203 53.6 14.4 21.6#



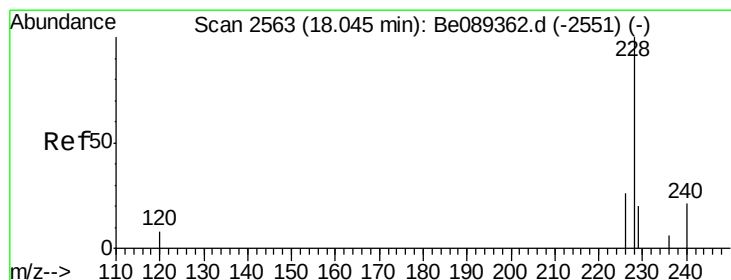
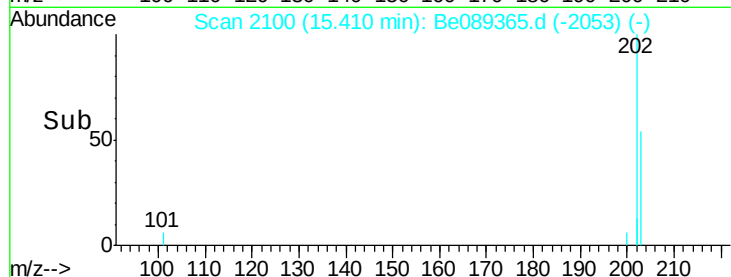
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 15.30 15.40 15.50



#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 18.05 min Scan# 2564

Delta R.T. 0.00 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

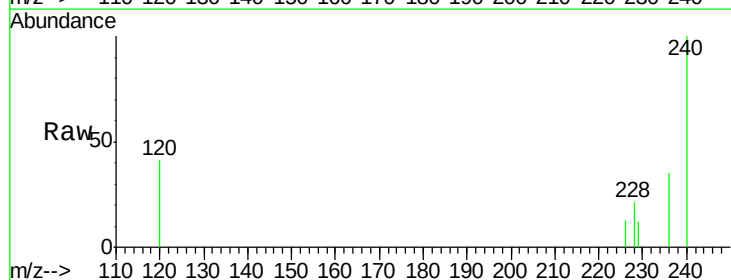
Tgt Ion:228 Resp: 101

Ion Ratio Lower Upper

228 100

226 61.7 21.9 32.9#

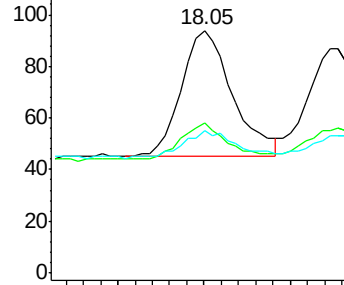
229 58.5 16.9 25.3#



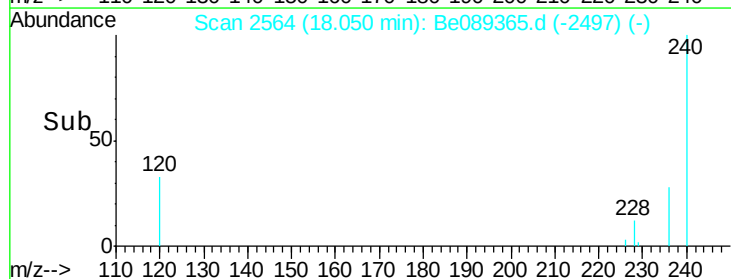
Abundance Ion 228.00 (227.70 to 228.70): E

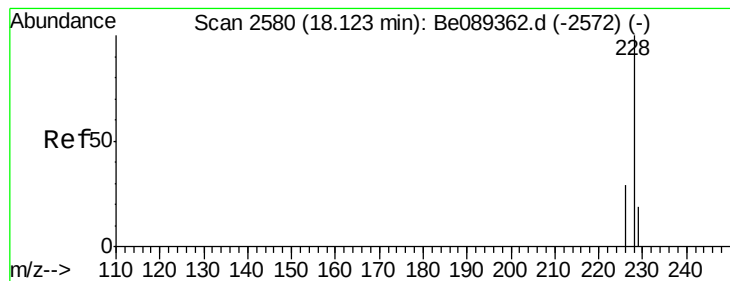
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 18.00 18.05 18.10





#21

Chrysene

Concen: 0.01 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.00 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampleId :

Y9R91

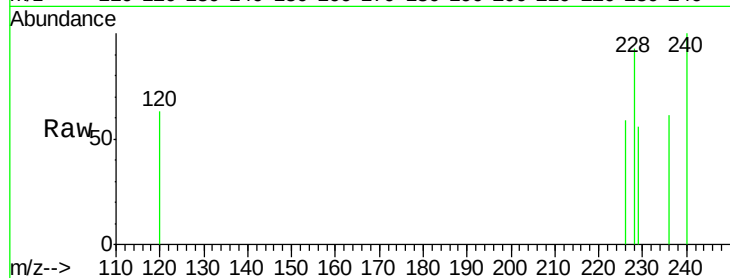
Tgt Ion:228 Resp: 92

Ion Ratio Lower Upper

228 100

226 63.2 23.9 35.9#

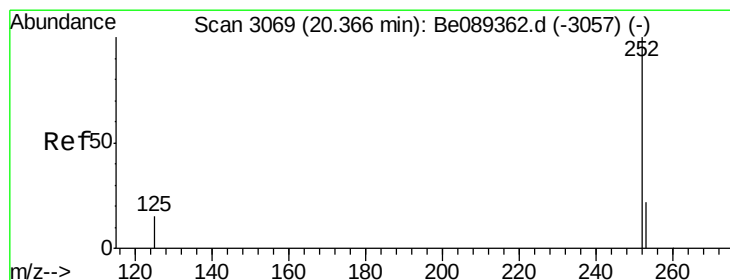
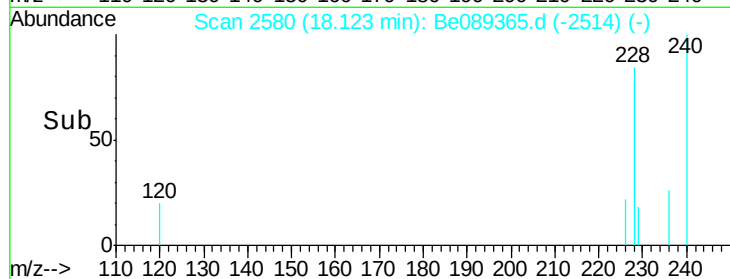
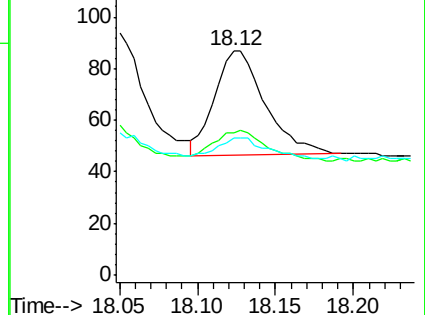
229 60.9 16.8 25.2#



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: 0.01 ng/ul

RT: 20.38 min Scan# 3072

Delta R.T. 0.01 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

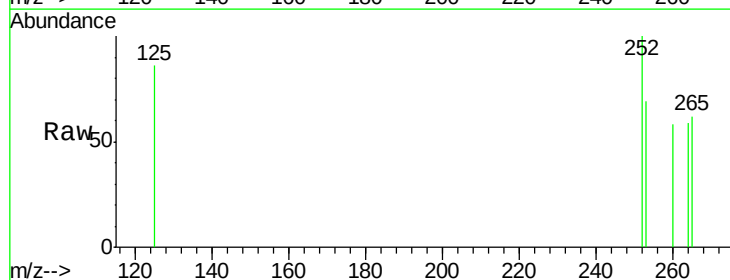
Tgt Ion:252 Resp: 69

Ion Ratio Lower Upper

252 100

253 68.9 0.0 47.8#

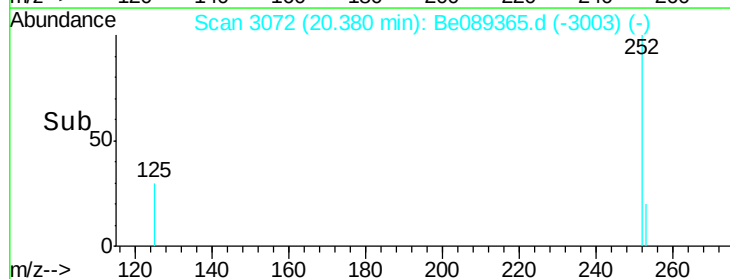
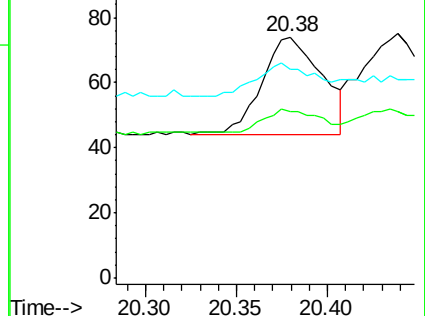
125 86.5 0.0 34.2#

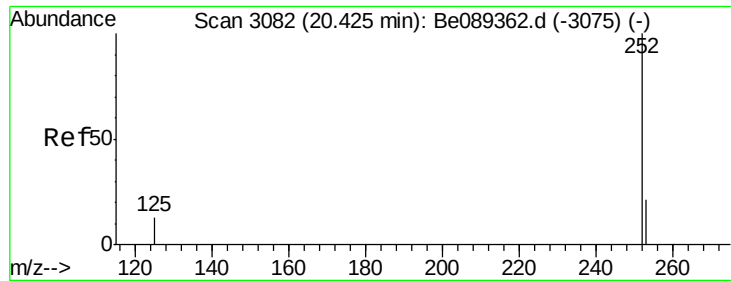


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 20.44 min Scan# 3085

Delta R.T. 0.01 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampled :

Y9R91

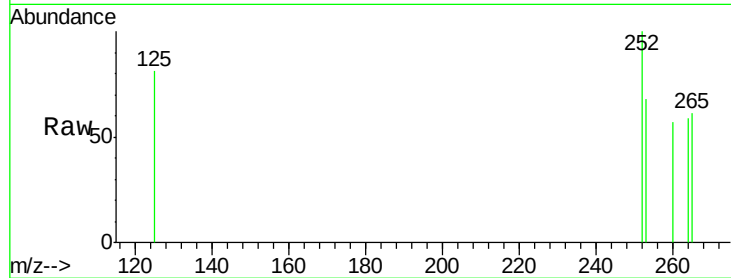
Tgt Ion:252 Resp: 79

Ion Ratio Lower Upper

252 100

253 68.0 19.0 28.6#

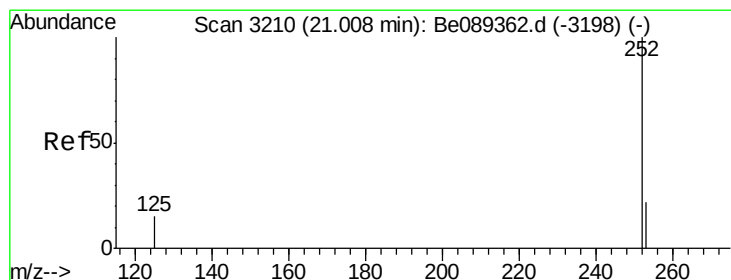
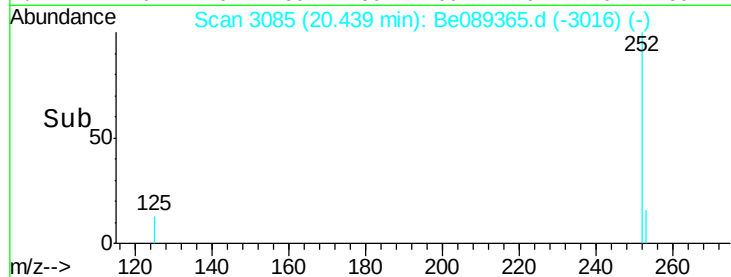
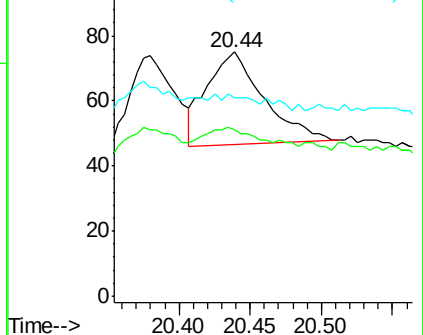
125 81.3 13.5 20.3#



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: 0.00 ng/ul

RT: 20.95 min Scan# 3198

Delta R.T. -0.05 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

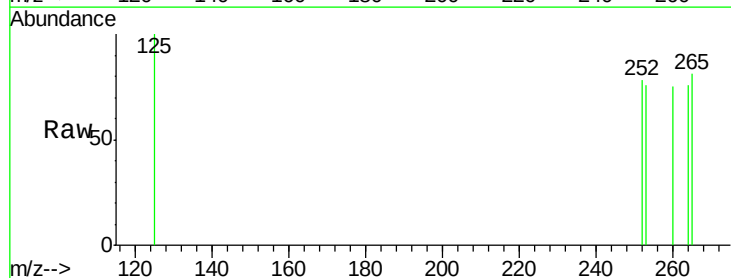
Tgt Ion:252 Resp: 1

Ion Ratio Lower Upper

252 100

253 97.8 19.7 29.5#

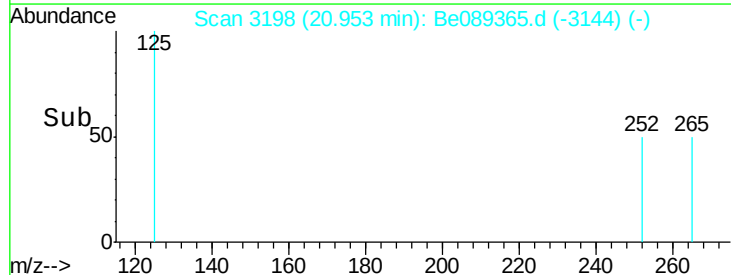
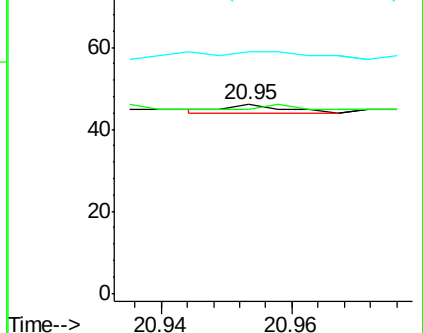
125 128.3 15.0 22.6#

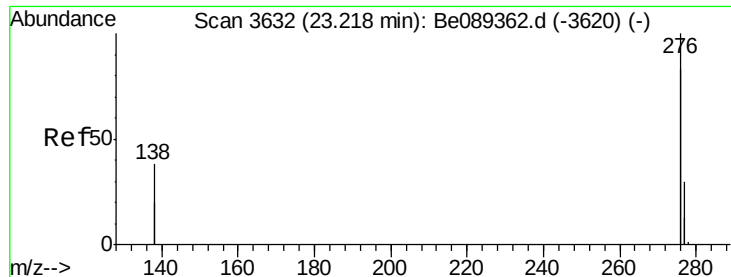


Abundance Ion 252.00 (251.70 to 252.70): E

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. 0.03 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampleId :

Y9R91

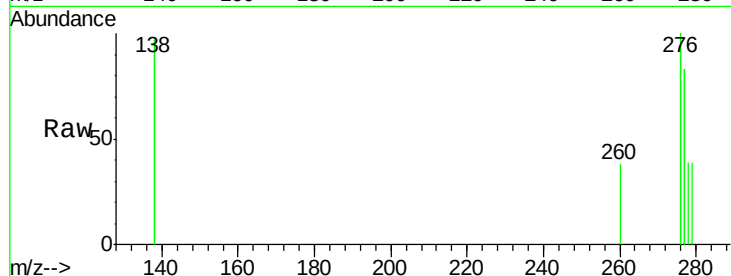
Tgt Ion:276 Resp: 309

Ion Ratio Lower Upper

276 100

138 12.9 23.8 35.8#

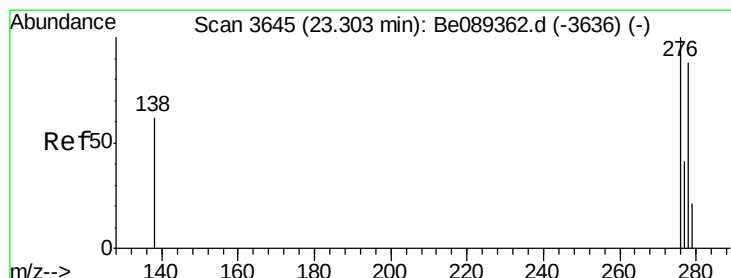
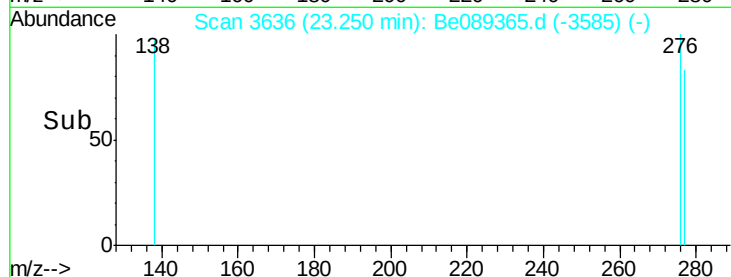
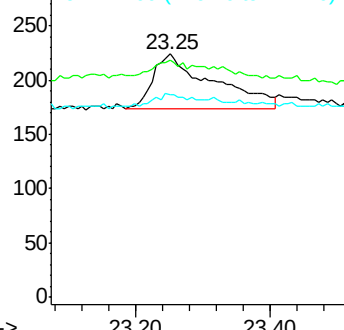
277 12.6 18.9 28.3#



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: 0.01 ng/ul

RT: 23.33 min Scan# 3648

Delta R.T. 0.03 min

Lab File: Be089365.d

Acq: 8 Jan 2015 14:38

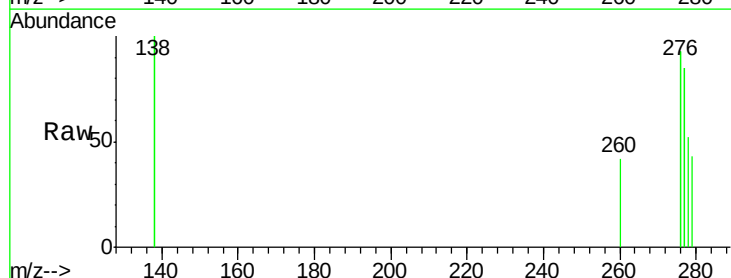
Tgt Ion:278 Resp: 36

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

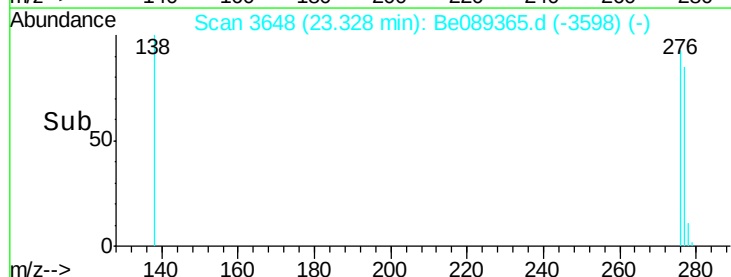
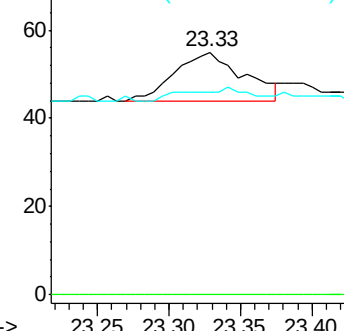
279 83.6 24.0 36.0#

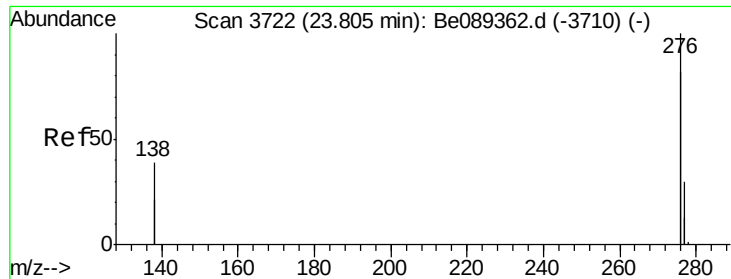


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.01 ng/ul

RT: 23.83 min Scan# 3725

Delta R.T. 0.03 min

Lab File: Be089365.d

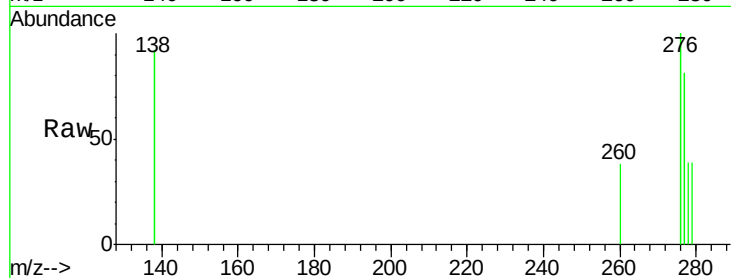
Acq: 8 Jan 2015 14:38

Instrument :

BNA_E

ClientSampleId :

Y9R91



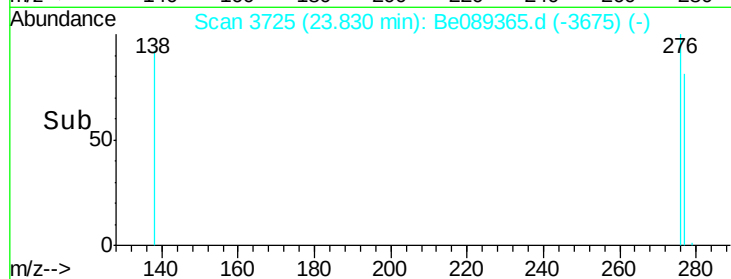
Tgt Ion: 276 Resp: 305

Ion Ratio Lower Upper

276 100

277 81.0 22.3 33.5#

138 92.2 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

200

150

100

50

0

Time--> 23.70 23.80 23.90 24.00