

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089697.D
 Acq On : 26 Feb 2015 18:51
 Operator : TP/JJ
 Sample : G1353-02RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB

Quant Time: Feb 27 01:17:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 25 14:06:35 2015
 Response via : Initial Calibration

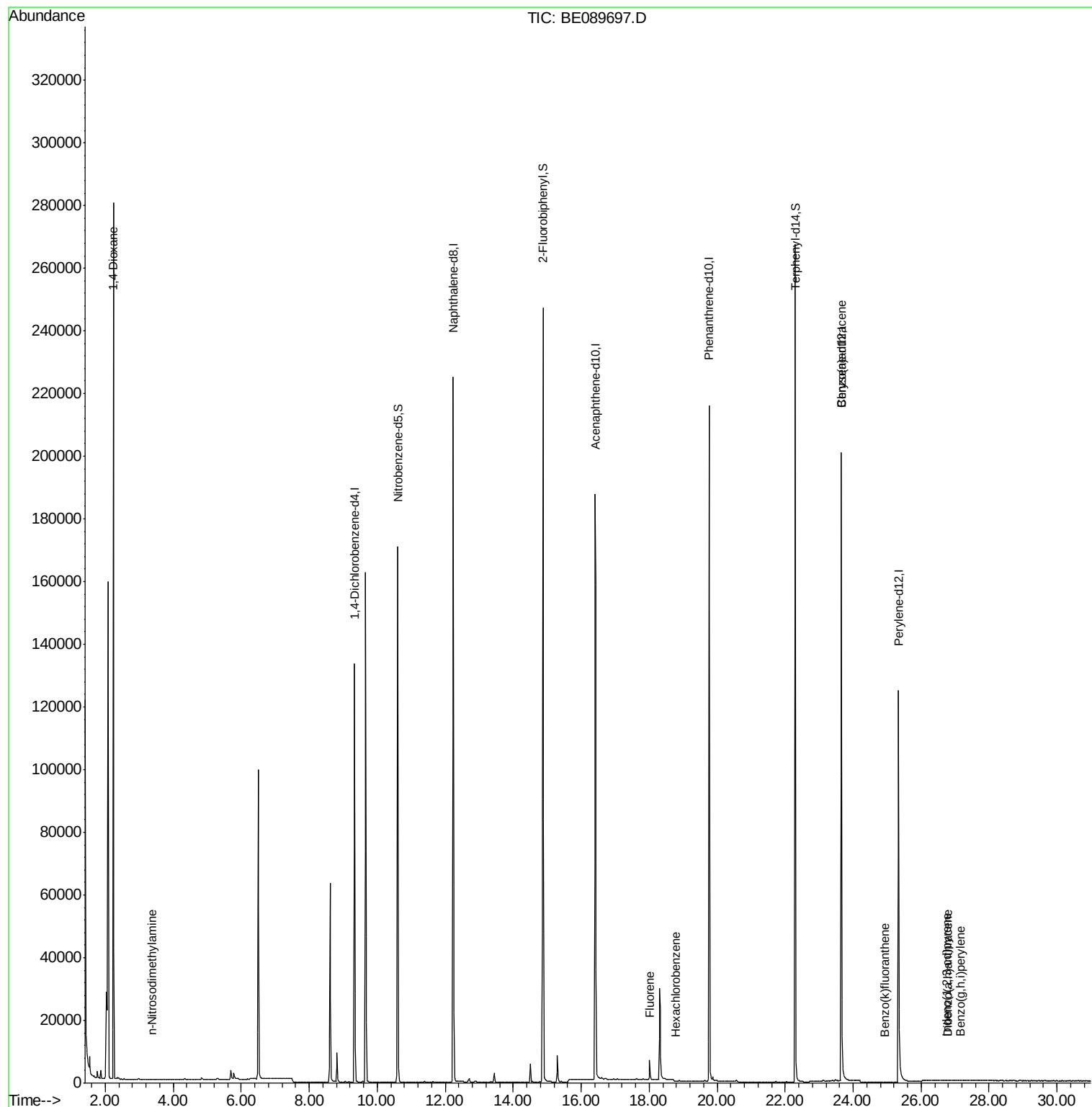
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	60503	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	260985	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	121958	5.00	ng	0.00
13) Phenanthrene-d10	19.76	188	215881	5.00	ng	0.00
19) Chrysene-d12	23.65	240	161610	5.00	ng	0.00
25) Perylene-d12	25.34	264	129327	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	121920	7.89	ng	0.00
9) 2-Fluorobiphenyl	14.87	172	229510	8.46	ng	0.00
21) Terphenyl-d14	22.30	244	220282	11.62	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.24	88	6634	0.87	ng	# 1
3) n-Nitrosodimethylamine	3.38	42	8	0.07	ng	# 1
12) Fluorene	18.03	166	6548	0.21	ng	# 23
14) Hexachlorobenzene	18.77	284	230	0.04	ng	# 24
15) Pentachlorophenol	19.44	266	22	Below Cal		# 67
22) Benzo(a)anthracene	23.65	228	2281	0.02	ng	# 79
24) Indeno(1,2,3-cd)pyrene	26.74	276	250	0.05	ng	# 83
27) Benzo(k)fluoranthene	24.94	252	73	0.07	ng	# 1
29) Dibenzo(a,h)anthracene	26.78	278	38	0.08	ng	# 1
30) Benzo(g,h,i)perylene	27.16	276	301	0.10	ng	# 8

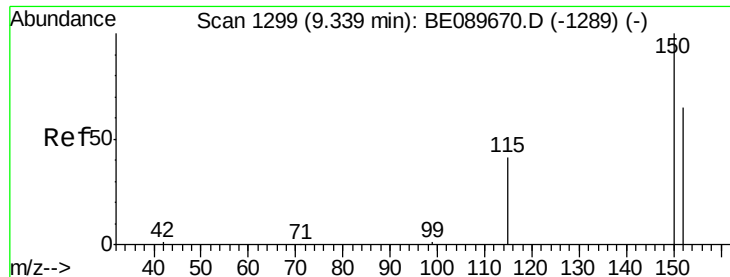
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

Instrument :

BNA_E

ClientSampleId :

FB

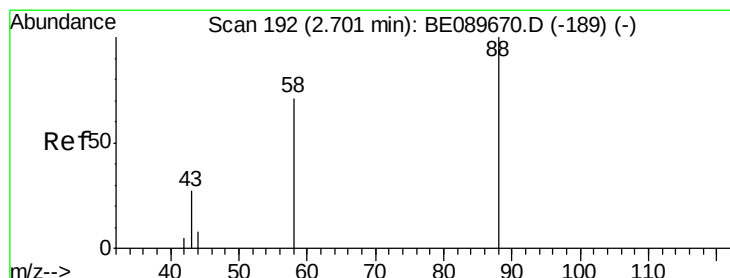
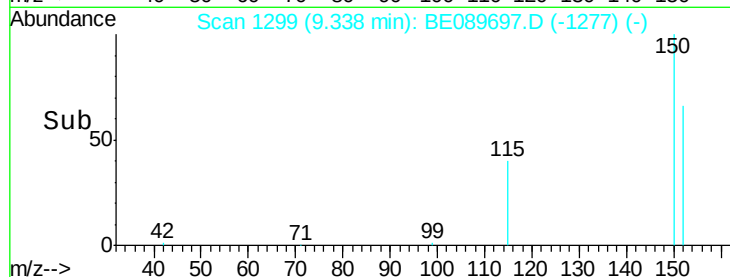
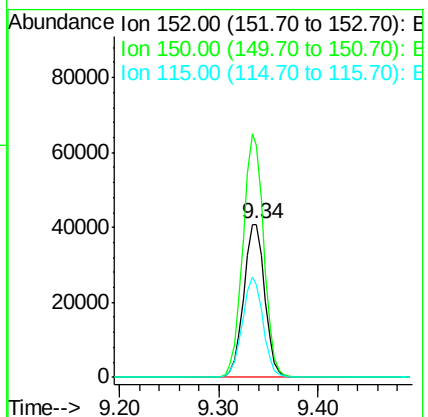
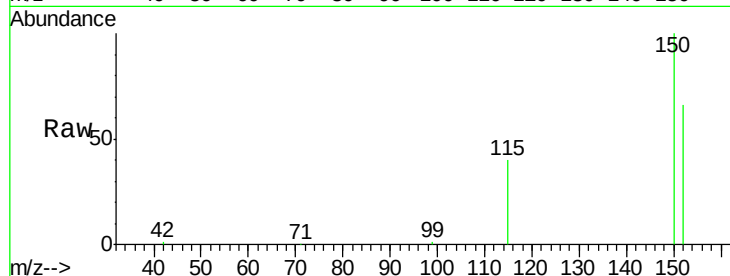
Tgt Ion:152 Resp: 60503

Ion Ratio Lower Upper

152 100

150 151.7 123.4 185.0

115 60.9 50.8 76.2



#2

1,4-Dioxane

Concen: 0.87 ng

RT: 2.24 min Scan# 124

Delta R.T. -0.46 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

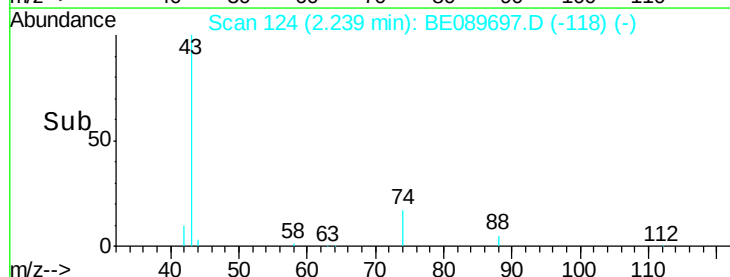
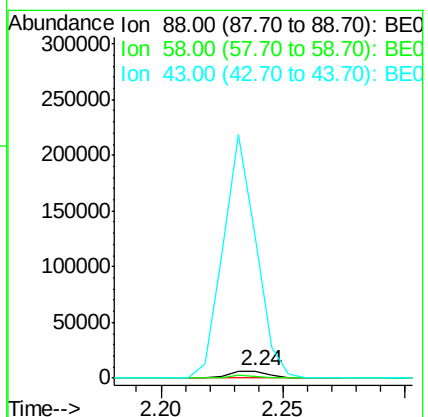
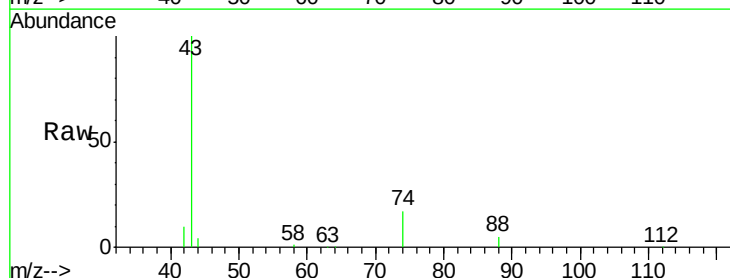
Tgt Ion: 88 Resp: 6634

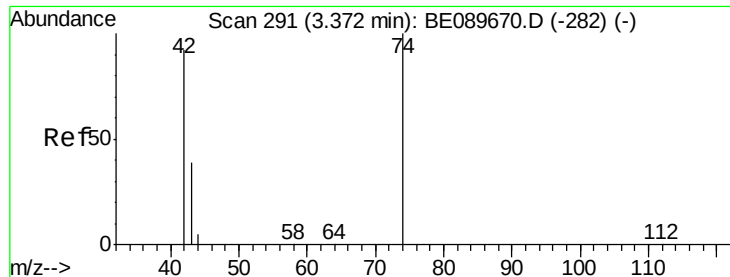
Ion Ratio Lower Upper

88 100

58 31.9 62.4 93.6#

43 3084.4 26.6 40.0#



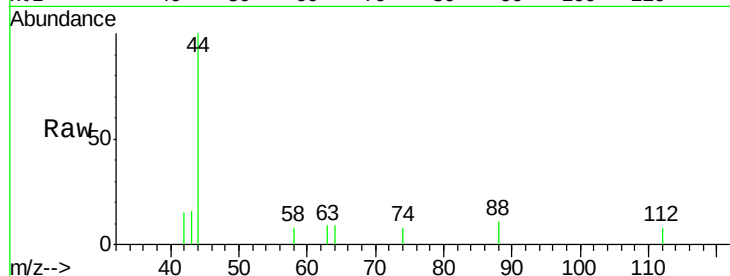


#3

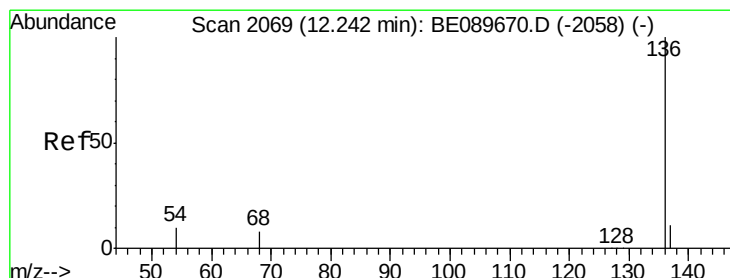
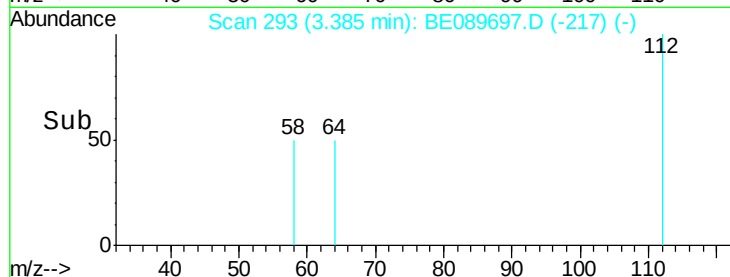
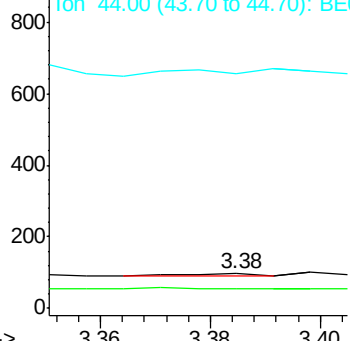
n-Nitrosodimethylamine
 Concen: 0.07 ng
 RT: 3.38 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BE089697.D
 Acq: 26 Feb 2015 18:51

Instrument :
 BNA_E
 ClientSampled :
 FB

Tgt Ion: 42 Resp: 8
 Ion Ratio Lower Upper
 42 100
 74 0.0 91.1 136.7#
 44 175.0 4.7 7.1#



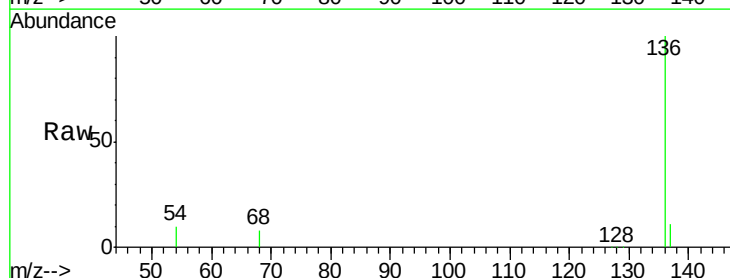
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



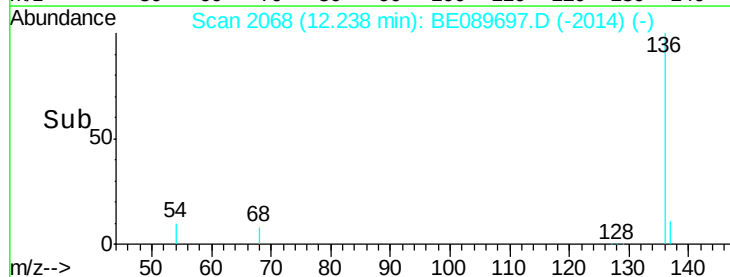
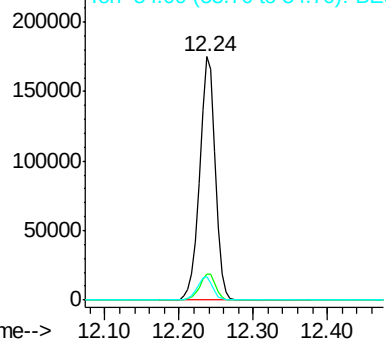
#4

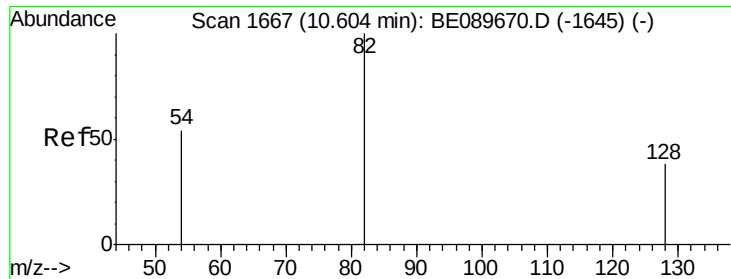
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2068
 Delta R.T. -0.00 min
 Lab File: BE089697.D
 Acq: 26 Feb 2015 18:51

Tgt Ion: 136 Resp: 260985
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 9.7 7.8 11.8



Abundance Ion 136.00 (135.70 to 136.70): E
 Ion 137.00 (136.70 to 137.70): E
 Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 7.89 ng

RT: 10.60 min Scan# 1666

Delta R.T. -0.00 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

Instrument :

BNA_E

ClientSampled :

FB

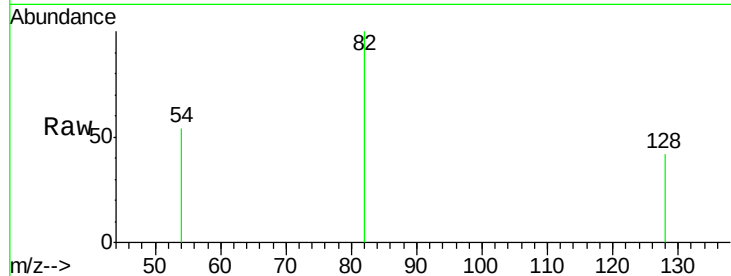
Tgt Ion: 82 Resp: 121920

Ion Ratio Lower Upper

82 100

128 42.0 30.6 46.0

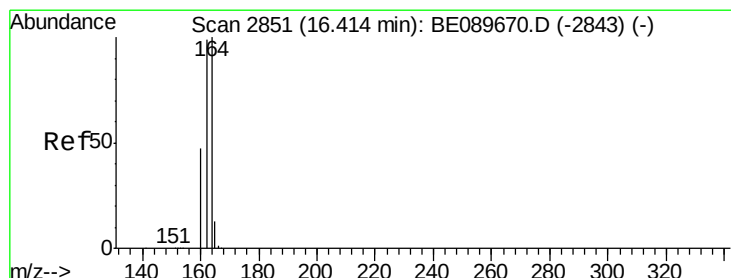
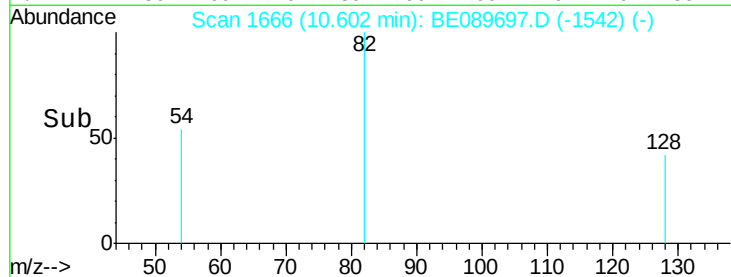
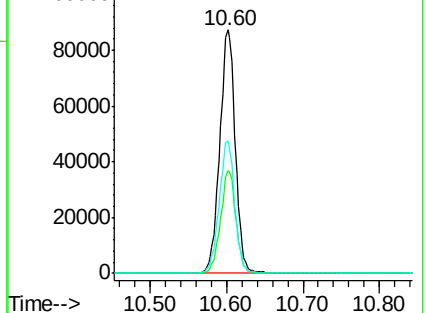
54 54.2 43.6 65.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.41 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

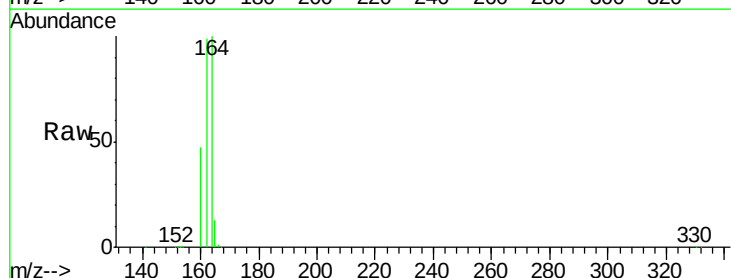
Tgt Ion: 164 Resp: 121958

Ion Ratio Lower Upper

164 100

162 98.5 79.4 119.2

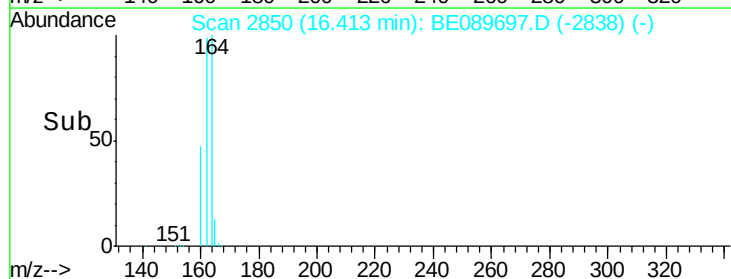
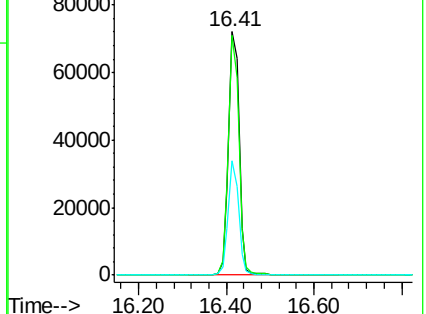
160 46.8 37.6 56.4

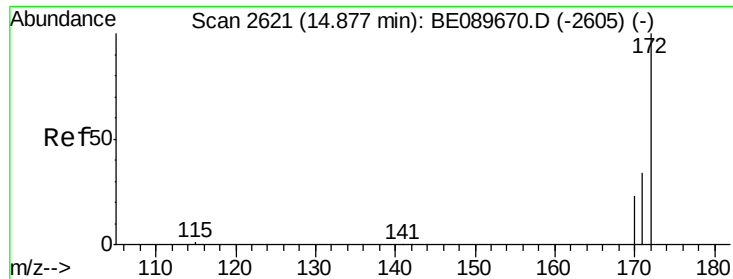


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

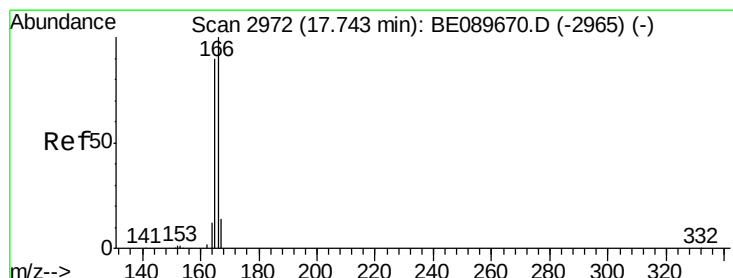
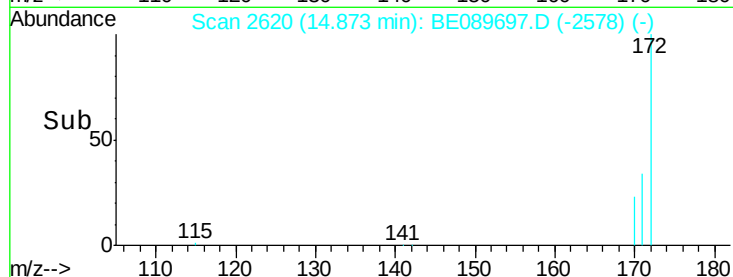
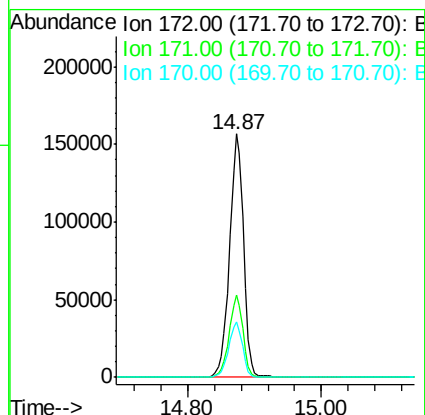
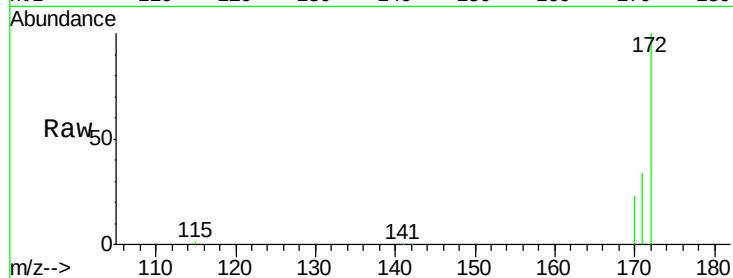




#9
 2-Fluorobiphenyl
 Concen: 8.46 ng
 RT: 14.87 min Scan# 2620
 Delta R.T. -0.00 min
 Lab File: BE089697.D
 Acq: 26 Feb 2015 18:51

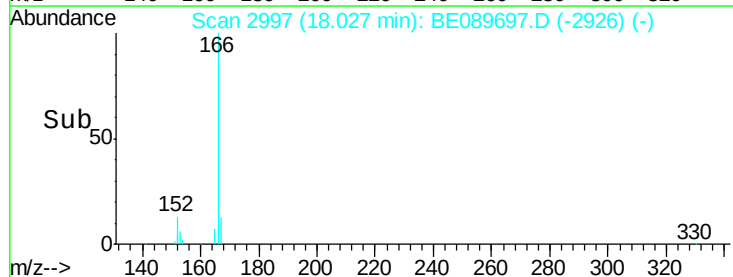
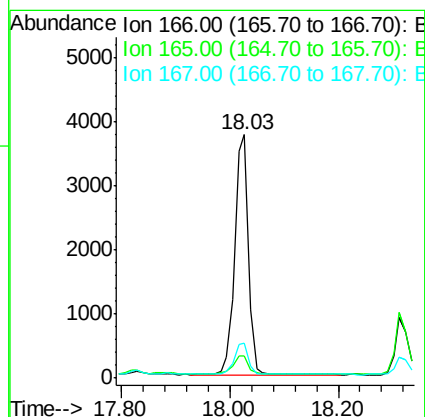
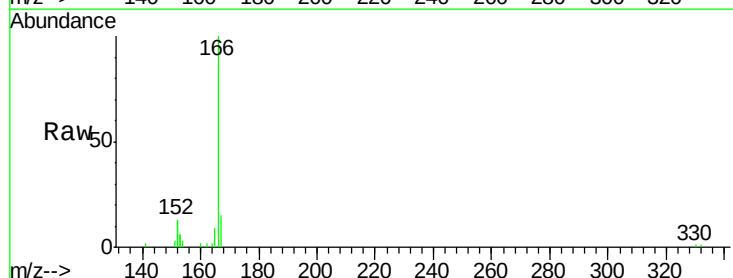
Instrument :
 BNA_E
 ClientSampleId :
 FB

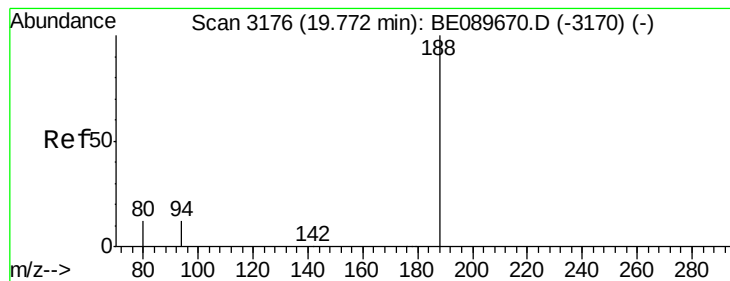
Tgt Ion:172 Resp: 229510
 Ion Ratio Lower Upper
 172 100
 171 33.6 27.3 40.9
 170 22.9 18.5 27.7



#12
 Fluorene
 Concen: 0.21 ng
 RT: 18.03 min Scan# 2997
 Delta R.T. 0.28 min
 Lab File: BE089697.D
 Acq: 26 Feb 2015 18:51

Tgt Ion:166 Resp: 6548
 Ion Ratio Lower Upper
 166 100
 165 8.4 73.6 110.4#
 167 13.3 10.6 16.0





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.76 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

Instrument :

BNA_E

ClientSampleId :

FB

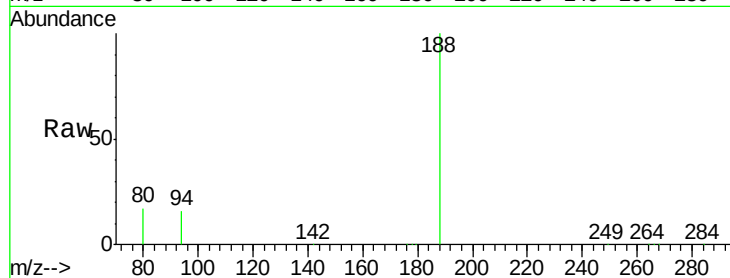
Tgt Ion:188 Resp: 215881

Ion Ratio Lower Upper

188 100

94 16.2 9.4 14.2#

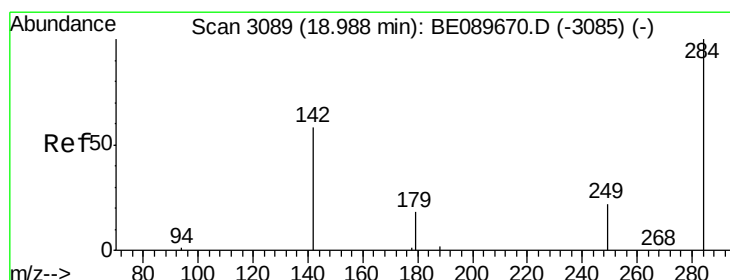
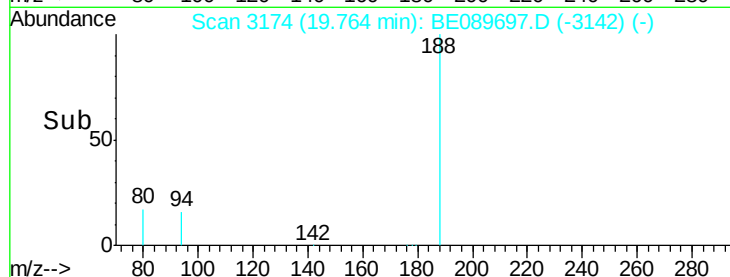
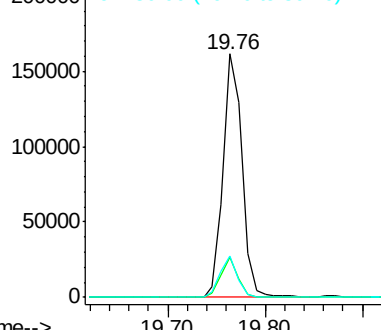
80 17.0 9.5 14.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14

Hexachlorobenzene

Concen: 0.04 ng

RT: 18.77 min Scan# 3064

Delta R.T. -0.22 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

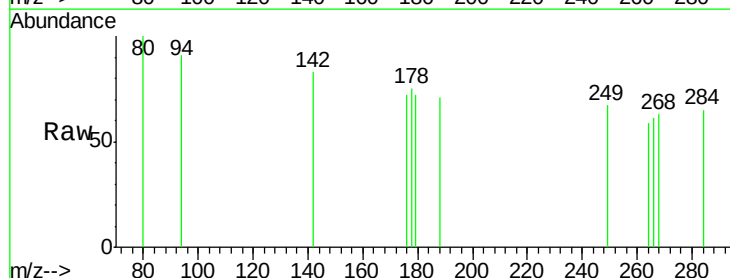
Tgt Ion:284 Resp: 230

Ion Ratio Lower Upper

284 100

142 0.0 55.4 83.2#

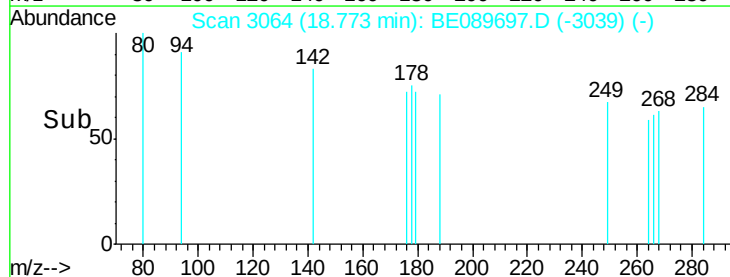
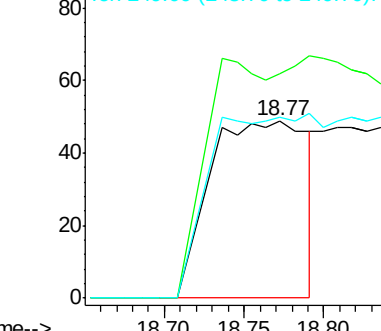
249 0.0 27.2 40.8#

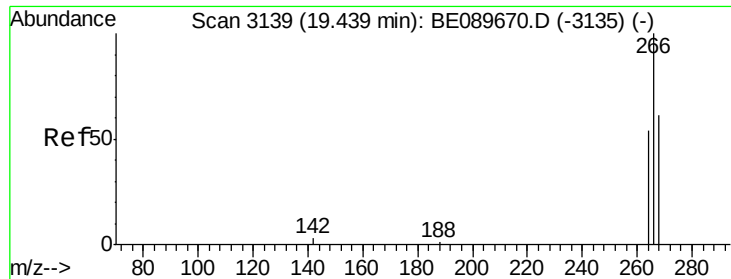


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#15

Pentachlorophenol

Concen: Below Cal

RT: 19.44 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

Instrument :

BNA_E

ClientSampleId :

FB

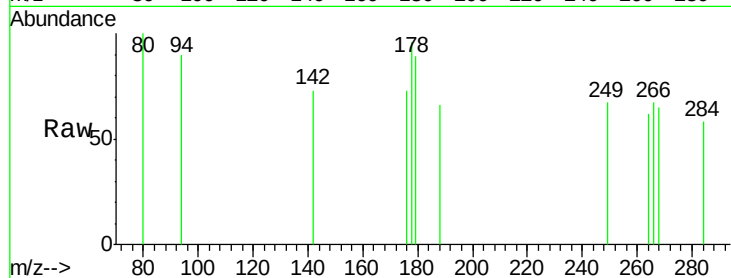
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

268 96.2 56.3 84.5#

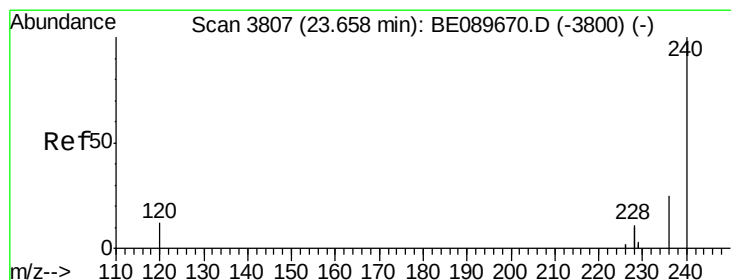
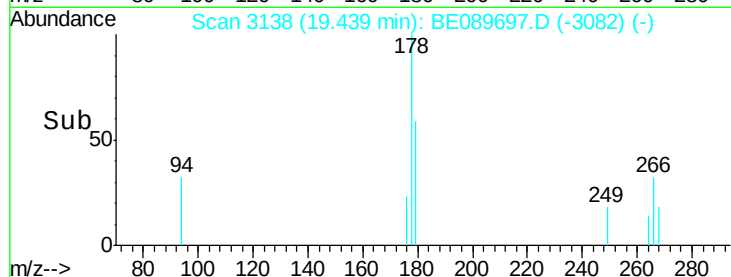
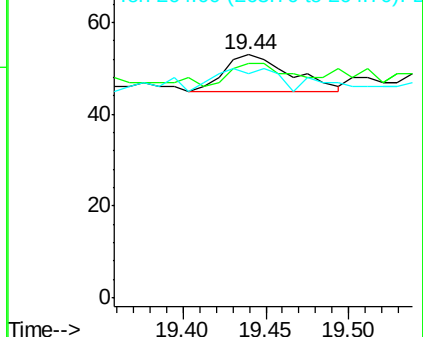
264 92.5 51.8 77.8#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3804

Delta R.T. -0.01 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

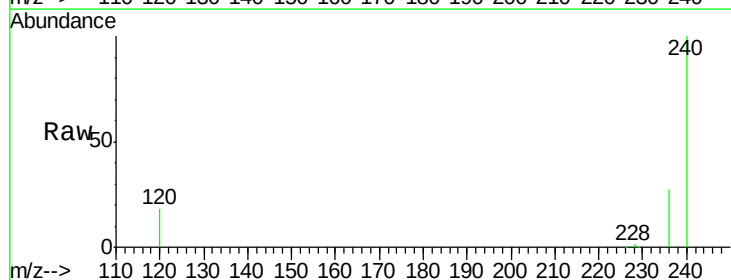
Tgt Ion:240 Resp: 161610

Ion Ratio Lower Upper

240 100

120 18.2 9.4 14.0#

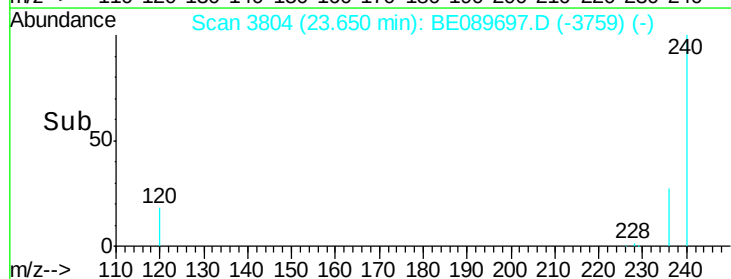
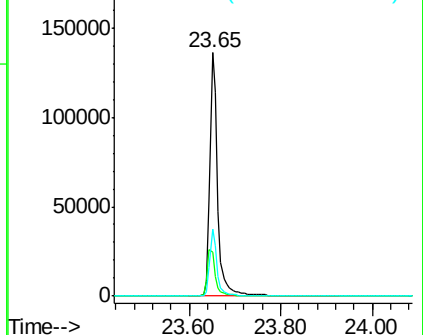
236 27.3 19.9 29.9

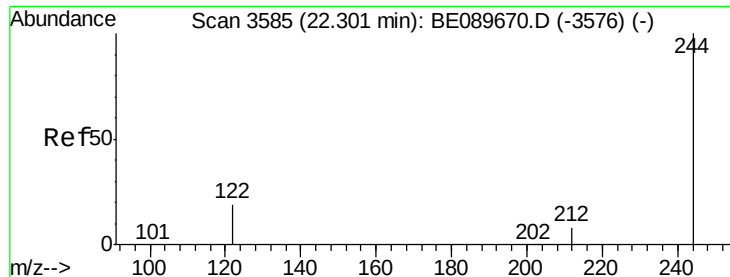


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Terphenyl-d14

Concen: 11.62 ng

RT: 22.30 min Scan# 3582

Delta R.T. -0.01 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

Instrument :

BNA_E

ClientSampleId :

FB

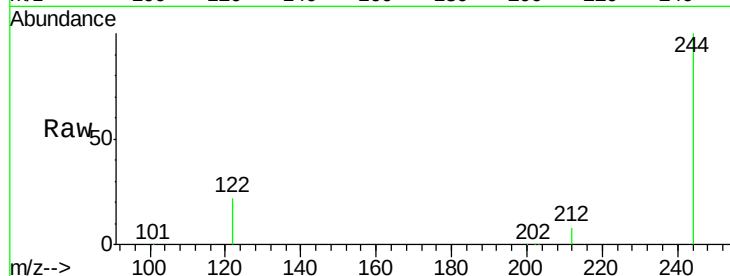
Tgt Ion:244 Resp: 220282

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

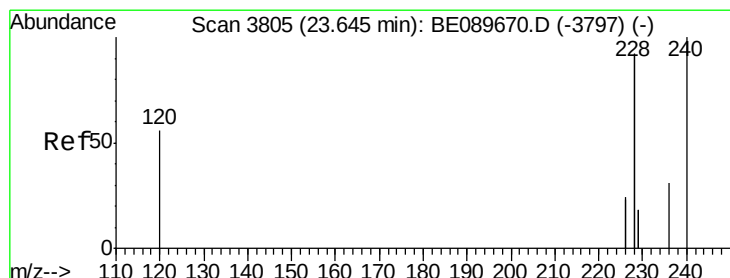
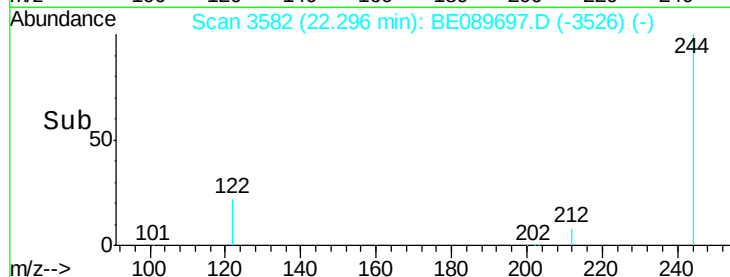
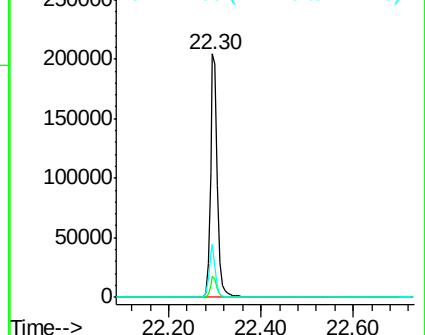
122 21.8 15.4 23.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 23.65 min Scan# 3804

Delta R.T. 0.01 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

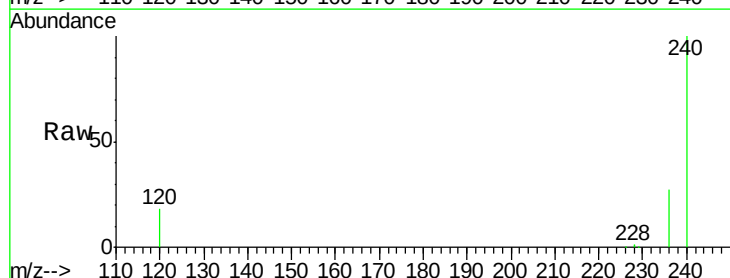
Tgt Ion:228 Resp: 2281

Ion Ratio Lower Upper

228 100

226 18.3 20.6 31.0#

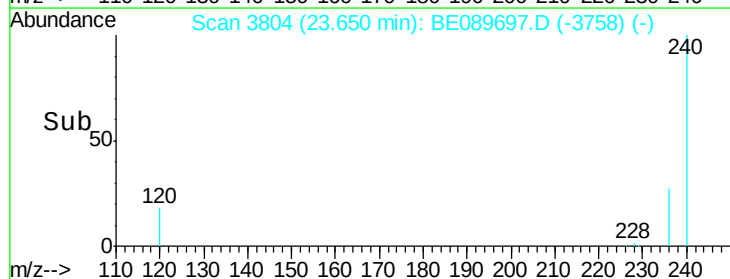
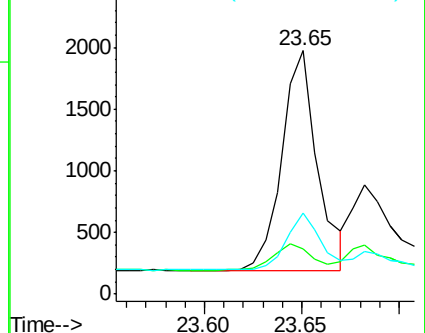
229 33.2 15.8 23.6#

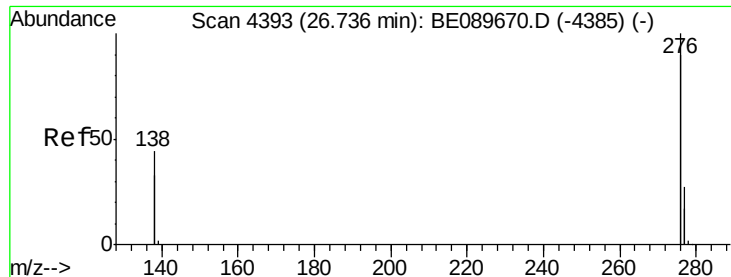


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

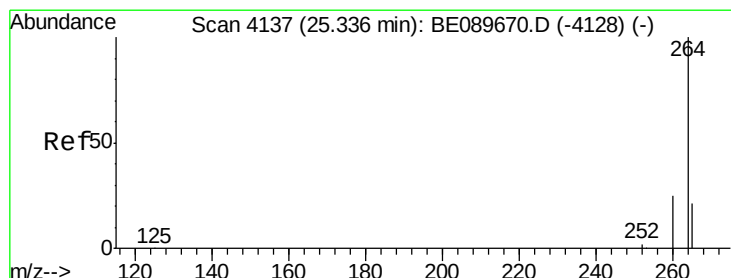
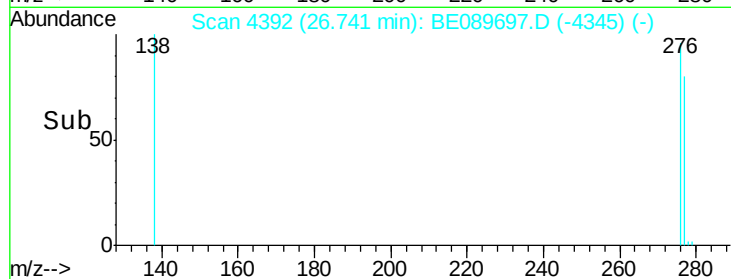
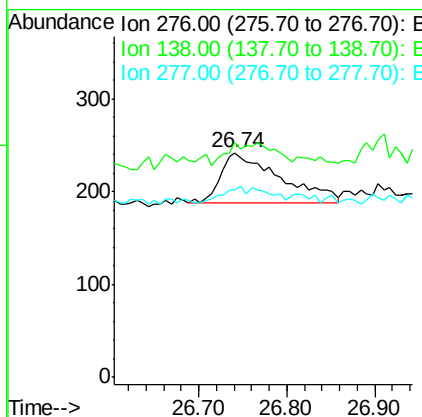
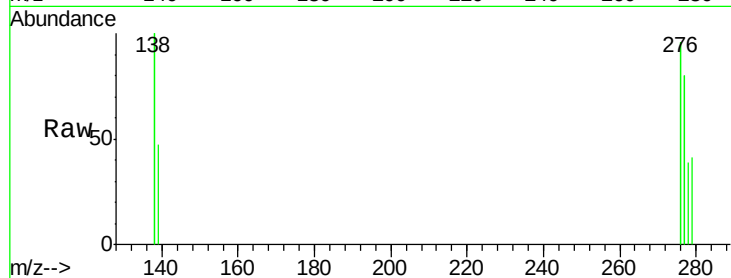




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.74 min Scan# 4392
 Delta R.T. 0.01 min
 Lab File: BE089697.D
 Acq: 26 Feb 2015 18:51

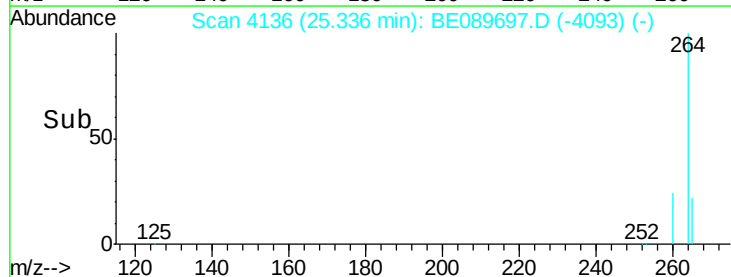
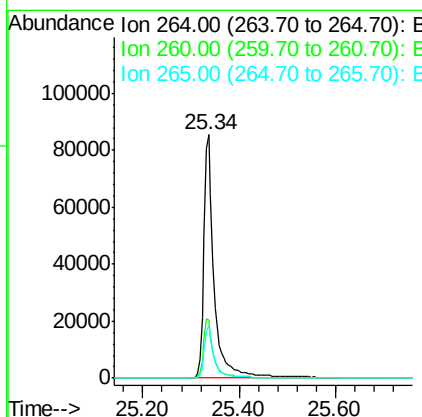
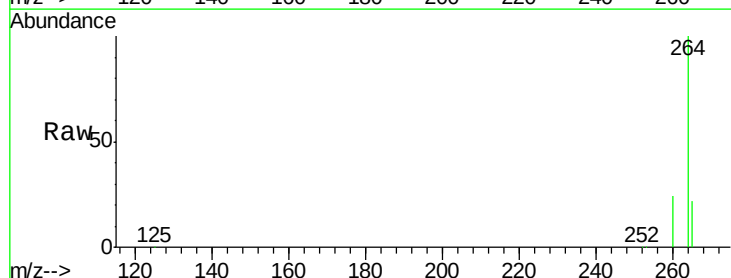
Instrument :
 BNA_E
 ClientSampleId :
 FB

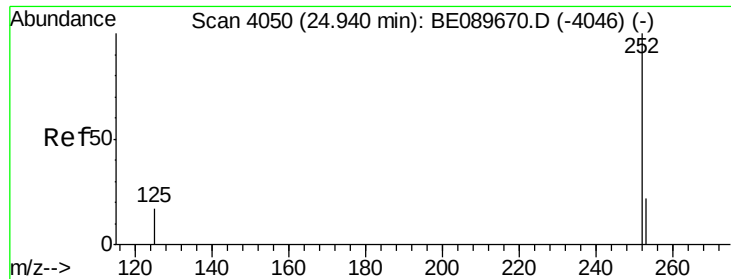
Tgt Ion: 276 Resp: 250
 Ion Ratio Lower Upper
 276 100
 138 35.2 0.0 0.0#
 277 12.4 5.2 7.8#



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4136
 Delta R.T. 0.00 min
 Lab File: BE089697.D
 Acq: 26 Feb 2015 18:51

Tgt Ion: 264 Resp: 129327
 Ion Ratio Lower Upper
 264 100
 260 24.0 20.2 30.4
 265 21.7 17.0 25.4





#27

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 24.94 min Scan# 4048

Delta R.T. -0.00 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

Instrument :

BNA_E

ClientSampleId :

FB

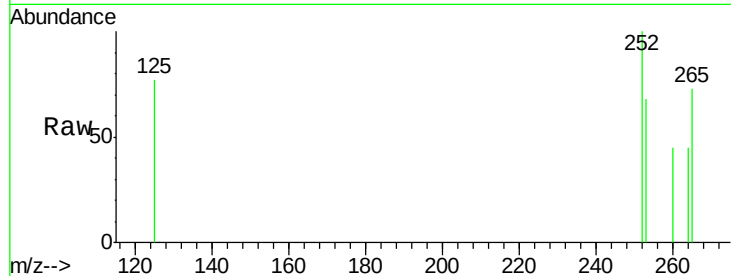
Tgt Ion: 252 Resp: 73

Ion Ratio Lower Upper

252 100

253 67.9 18.0 27.0#

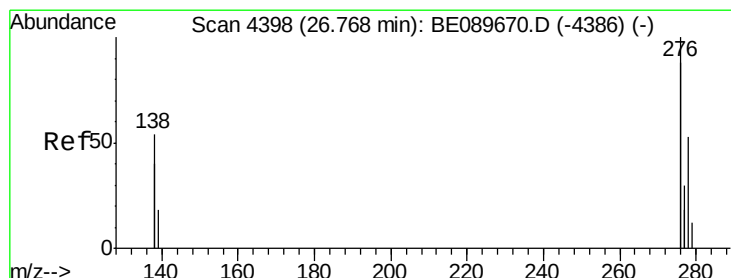
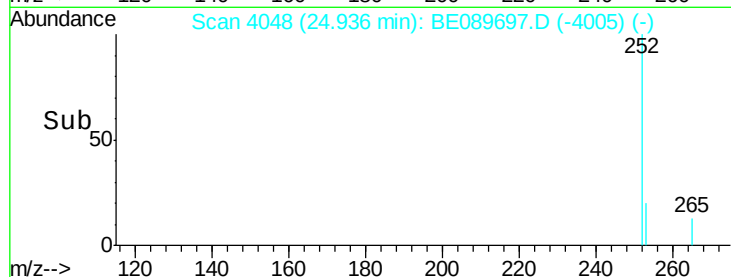
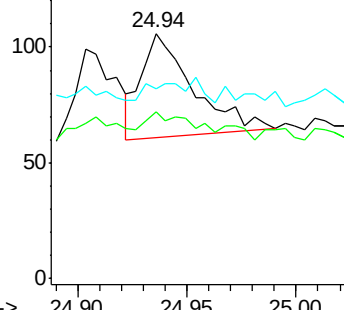
125 77.4 14.3 21.5#



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



#29

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 26.78 min Scan# 4398

Delta R.T. 0.01 min

Lab File: BE089697.D

Acq: 26 Feb 2015 18:51

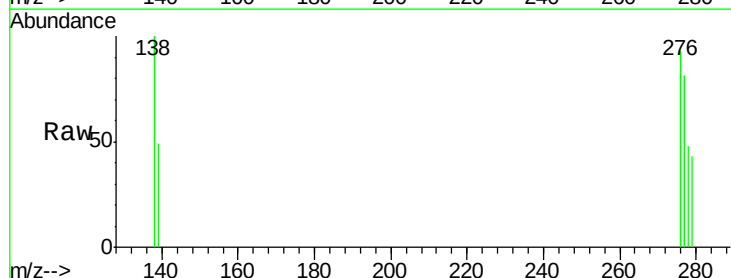
Tgt Ion: 278 Resp: 38

Ion Ratio Lower Upper

278 100

139 101.7 30.4 45.6#

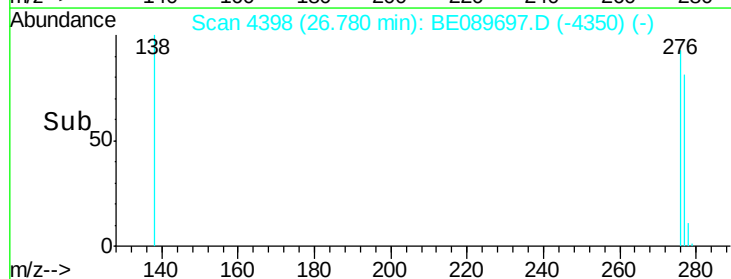
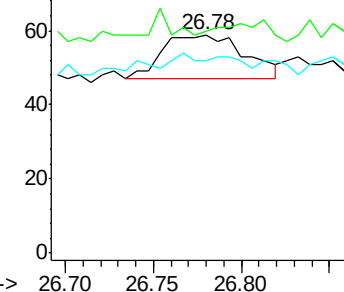
279 88.1 22.0 33.0#

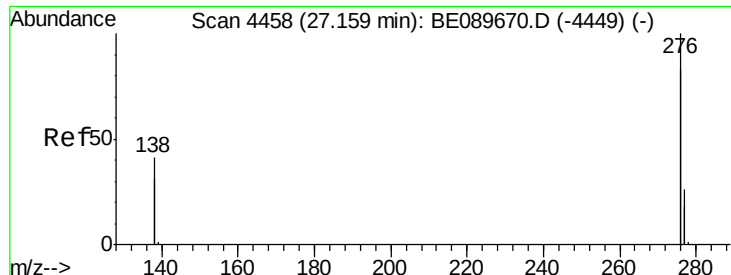


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(g,h,i)perylene

Concen: 0.10 ng

RT: 27.16 min Scan# 4456

Delta R.T. -0.00 min

Lab File: BE089697.D

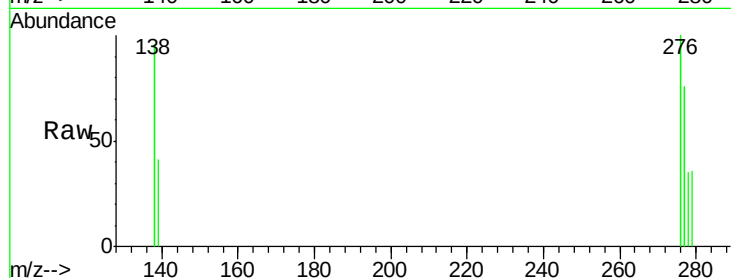
Acq: 26 Feb 2015 18:51

Instrument :

BNA_E

ClientSampleId :

FB



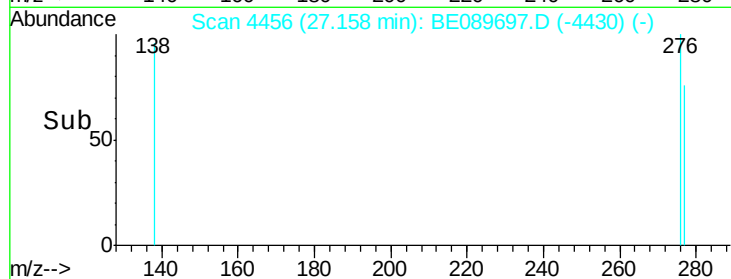
Tgt Ion: 276 Resp: 301

Ion Ratio Lower Upper

276 100

277 76.5 21.0 31.6#

138 96.3 33.0 49.4#



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

