

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089851.D
 Acq On : 26 Mar 2015 00:10
 Operator : TP/JJ
 Sample : G1575-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB-031715

Quant Time: Mar 26 03:30:22 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

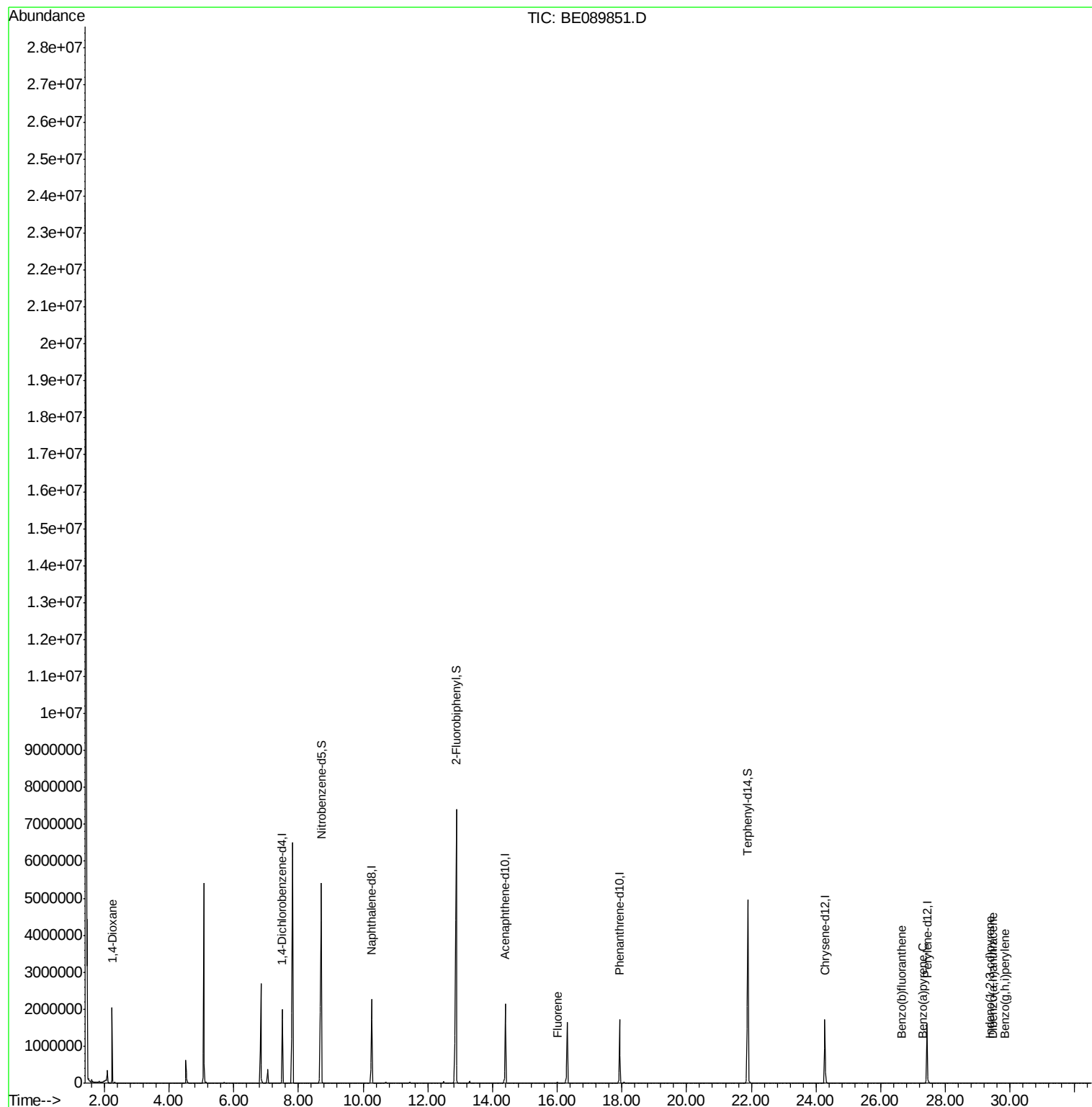
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	882687	5.00	ng	0.00
4) Naphthalene-d8	10.27	136	3123328	5.00	ng	0.01
8) Acenaphthene-d10	14.40	164	1384482	5.00	ng	0.01
13) Phenanthrene-d10	17.94	188	2339495	5.00	ng	0.02
19) Chrysene-d12	24.28	240	2188736	5.00	ng	0.02
25) Perylene-d12	27.43	264	2084072	5.00	ng	0.02
System Monitoring Compounds						
5) Nitrobenzene-d5	8.71	82	6578620	28.25	ng	0.03
9) 2-Fluorobiphenyl	12.88	172	8814406	27.21	ng	0.03
21) Terphenyl-d14	21.90	244	8964611	27.76	ng	0.04
Target Compounds						Qvalue
2) 1,4-Dioxane	2.25	88	56232	0.49	ng	# 1
12) Fluorene	16.00	166	25730	0.07	ng	# 21
15) Pentachlorophenol	17.19	266	47	Below Cal		89
24) Indeno(1,2,3-cd)pyrene	29.39	276	748	0.42	ng	# 57
26) Benzo(b)fluoranthene	26.65	252	1210	0.31	ng	# 38
28) Benzo(a)pyrene	27.30	252	1030	0.30	ng	# 28
29) Dibenzo(a,h)anthracene	29.46	278	521	0.26	ng	# 30
30) Benzo(g,h,i)perylene	29.84	276	1027	0.25	ng	# 51

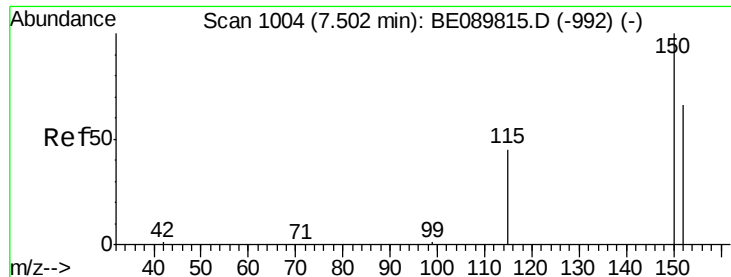
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.51 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

Instrument :

BNA_E

ClientSampleId :

FB-031715

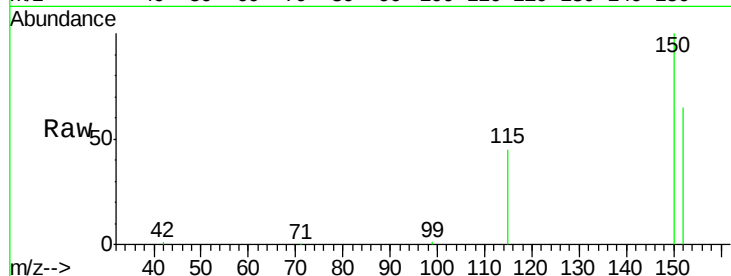
Tgt Ion:152 Resp: 882687

Ion Ratio Lower Upper

152 100

150 154.6 125.5 188.3

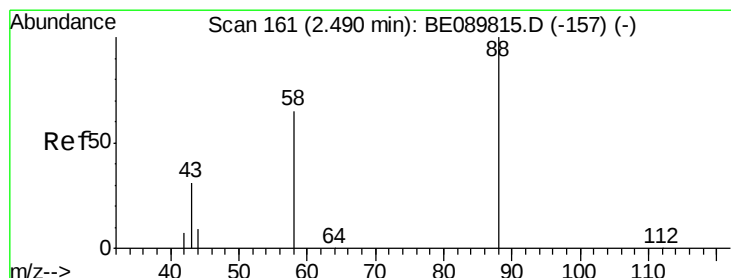
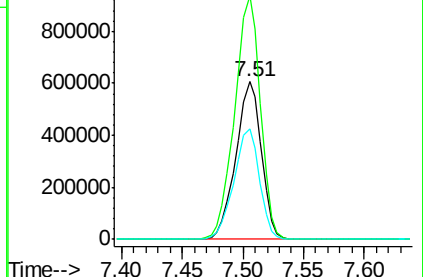
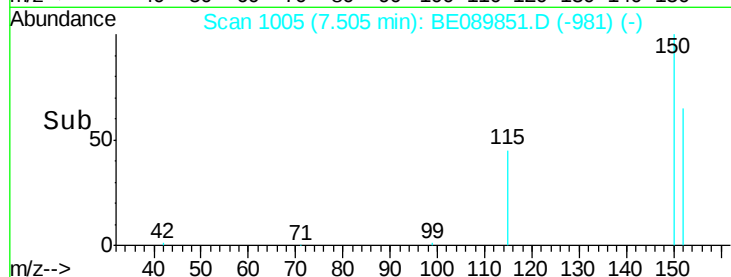
115 70.2 58.0 87.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.49 ng

RT: 2.25 min Scan# 125

Delta R.T. -0.28 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

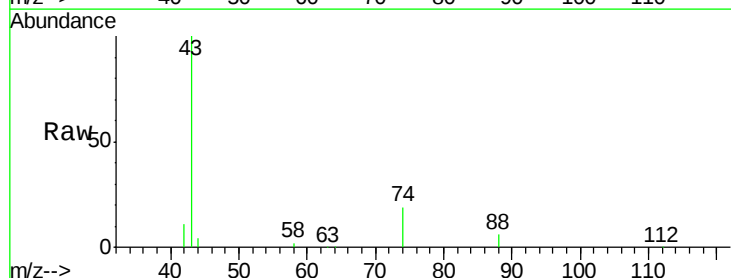
Tgt Ion: 88 Resp: 56232

Ion Ratio Lower Upper

88 100

58 31.7 48.6 72.8#

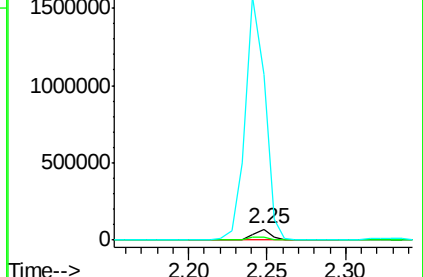
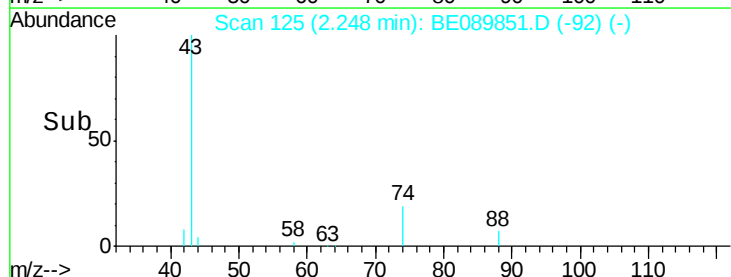
43 2412.5 28.6 43.0#

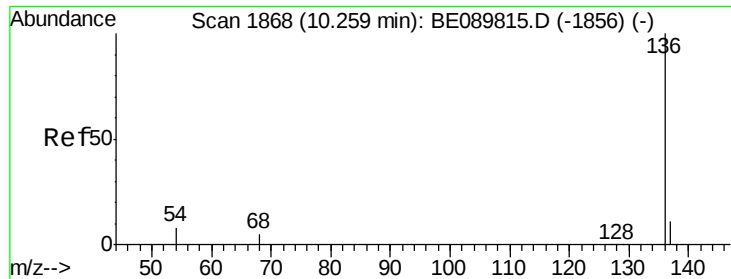


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.27 min Scan# 1870

Delta R.T. 0.01 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

Instrument :

BNA_E

ClientSampleId :

FB-031715

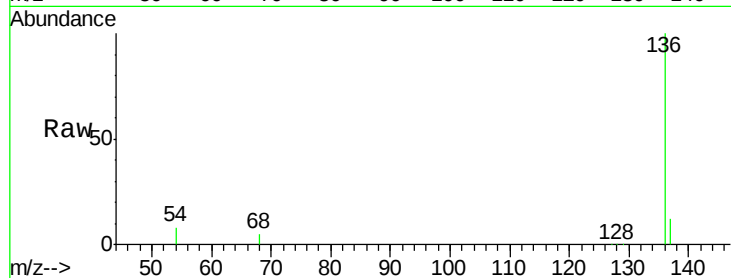
Tgt Ion:136 Resp: 3123328

Ion Ratio Lower Upper

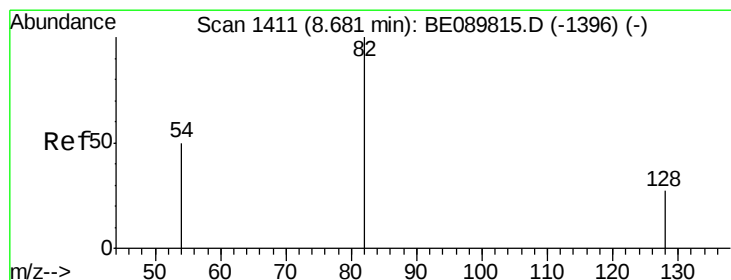
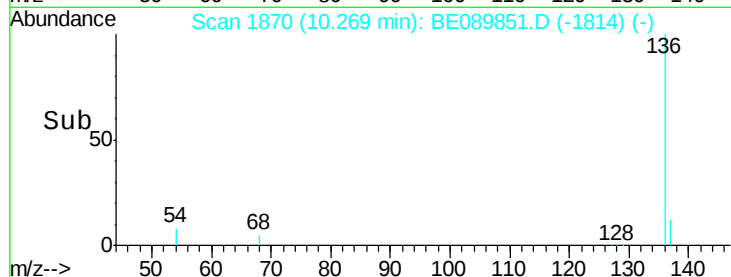
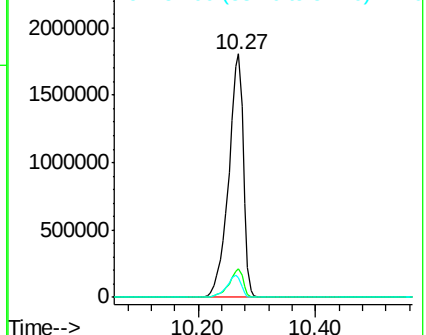
136 100

137 11.7 8.8 13.2

54 7.9 7.0 10.4



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): E



#5

Nitrobenzene-d5

Concen: 28.25 ng

RT: 8.71 min Scan# 1425

Delta R.T. 0.03 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

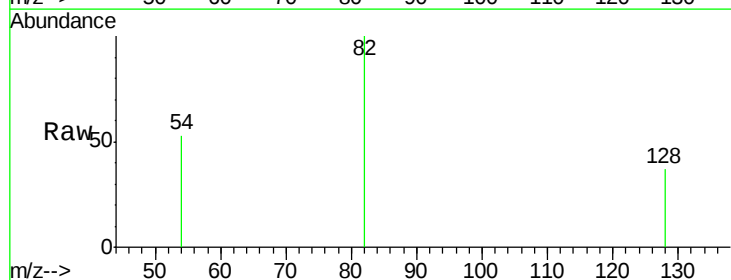
Tgt Ion: 82 Resp: 6578620

Ion Ratio Lower Upper

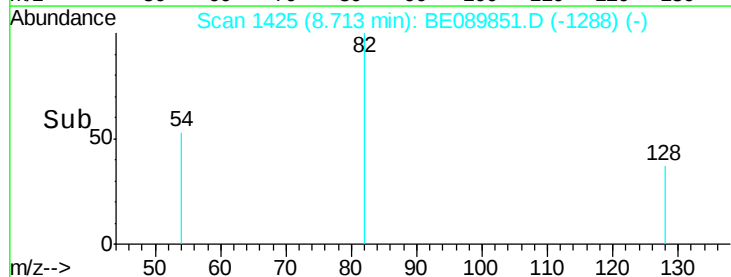
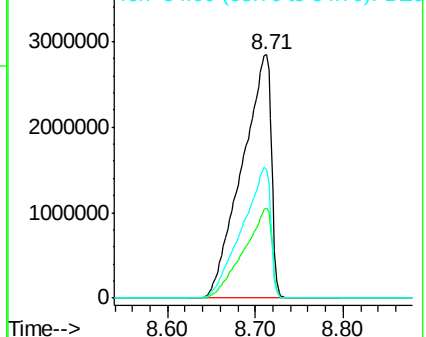
82 100

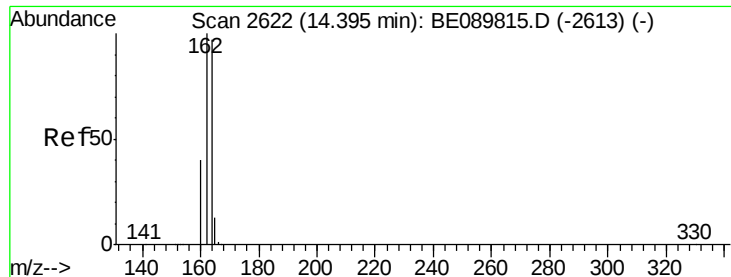
128 36.9 24.6 37.0

54 53.0 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

Instrument :

BNA_E

ClientSampleId :

FB-031715

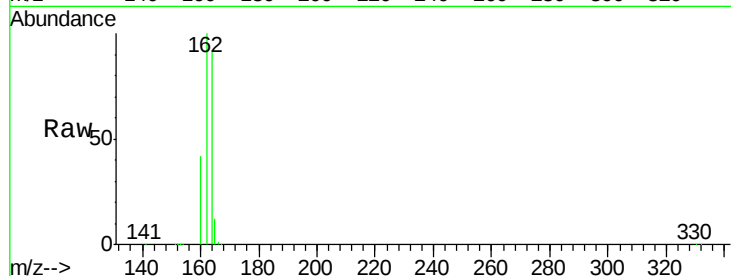
Tgt Ion:164 Resp: 1384482

Ion Ratio Lower Upper

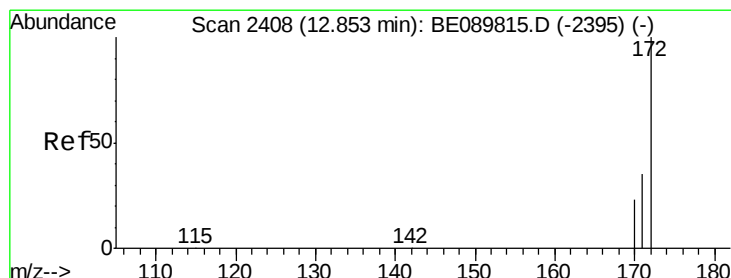
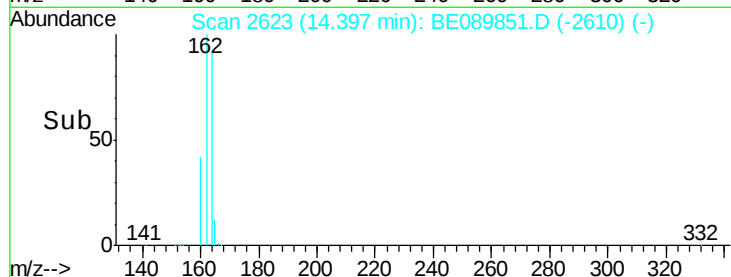
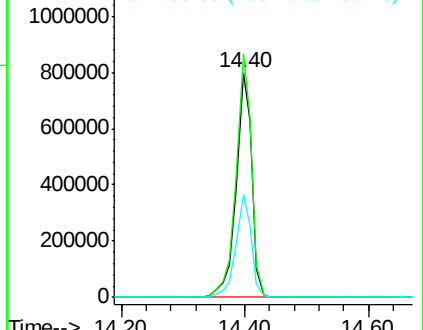
164 100

162 108.2 87.6 131.4

160 45.8 36.7 55.1



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: 27.21 ng

RT: 12.88 min Scan# 2414

Delta R.T. 0.03 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

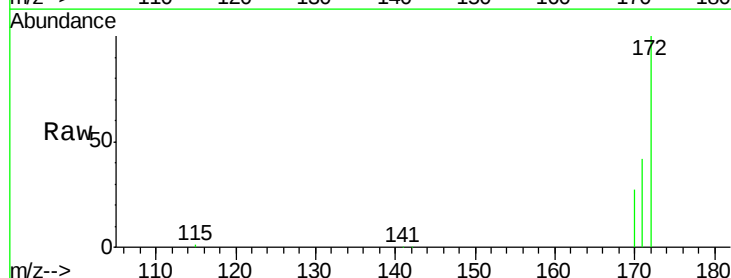
Tgt Ion:172 Resp: 8814406

Ion Ratio Lower Upper

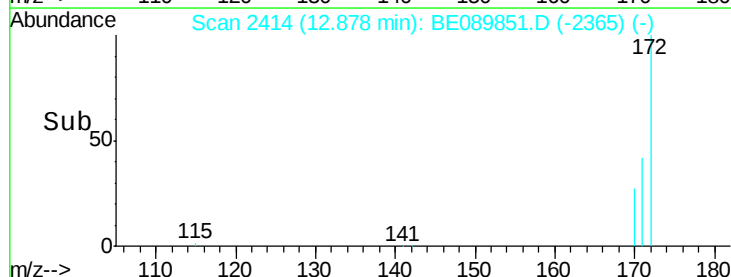
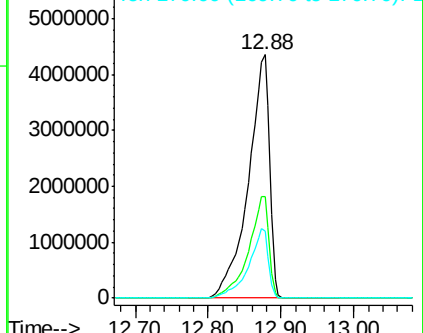
172 100

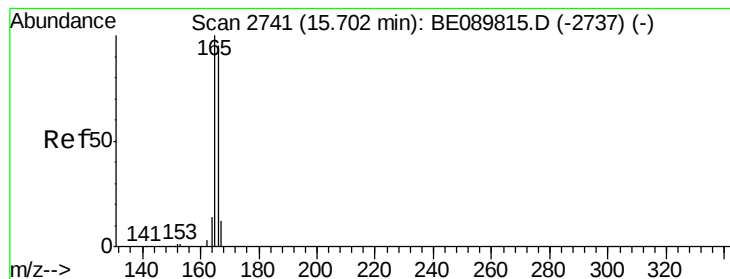
171 41.9 30.8 46.2

170 27.5 21.0 31.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#12

Fluorene

Concen: 0.07 ng

RT: 16.00 min Scan# 2769

Delta R.T. 0.29 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

Instrument :

BNA_E

ClientSampleId :

FB-031715

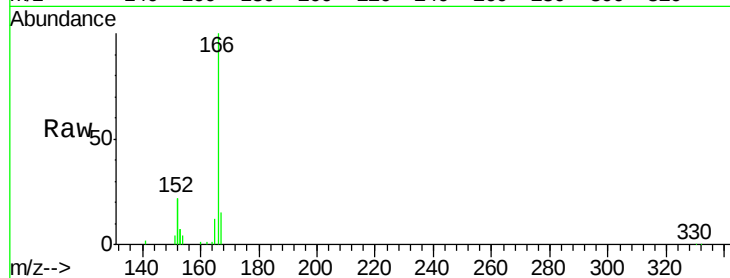
Tgt Ion:166 Resp: 25730

Ion Ratio Lower Upper

166 100

165 12.4 85.1 127.7#

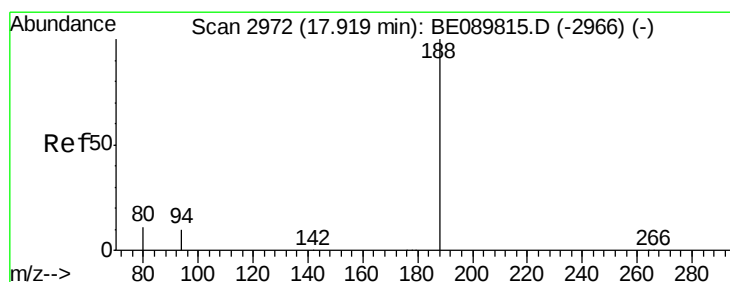
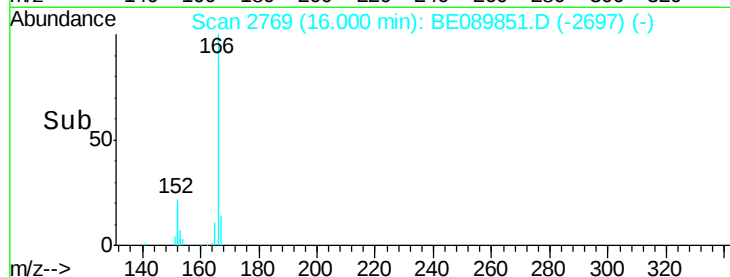
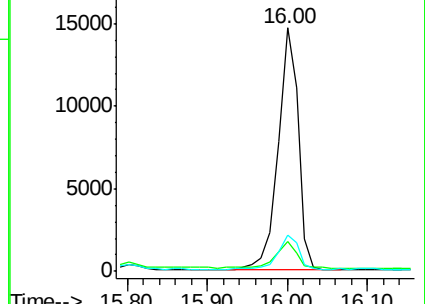
167 14.9 12.2 18.4



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

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.94 min Scan# 2974

Delta R.T. 0.02 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

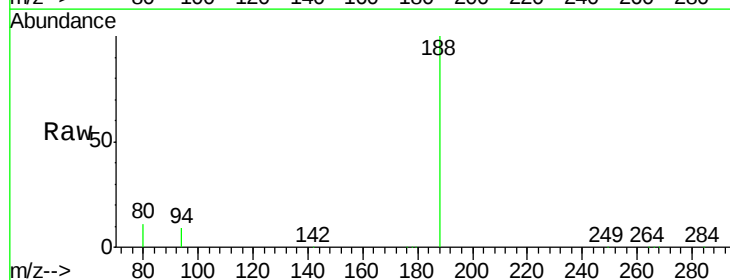
Tgt Ion:188 Resp: 2339495

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

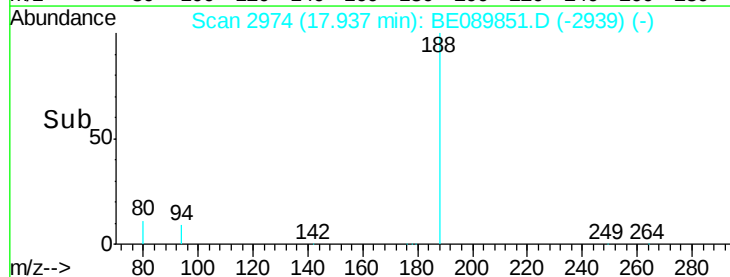
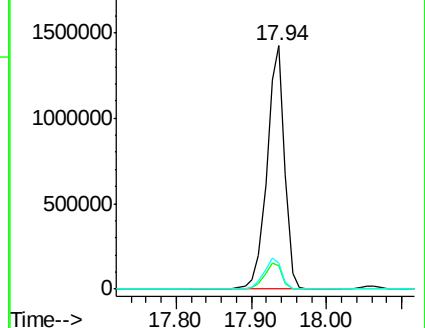
80 10.7 10.0 15.0

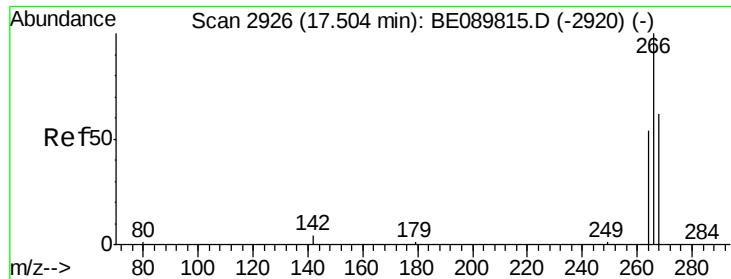


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

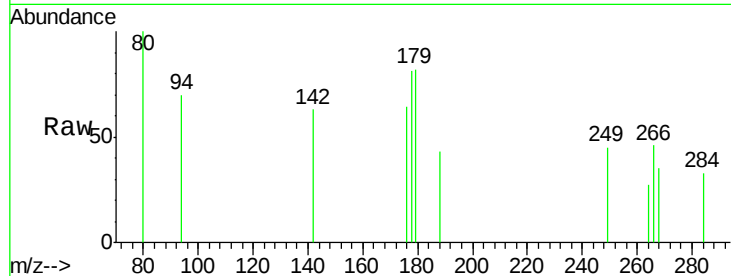




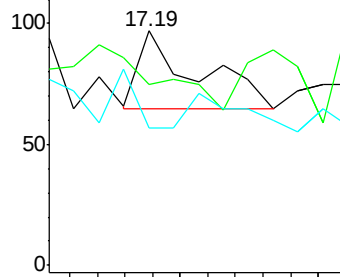
#15
 Pentachlorophenol
 Concen: Below Cal
 RT: 17.19 min Scan# 2891
 Delta R.T. -0.32 min
 Lab File: BE089851.D
 Acq: 26 Mar 2015 00:10

Instrument :
 BNA_E
 ClientSampleId :
 FB-031715

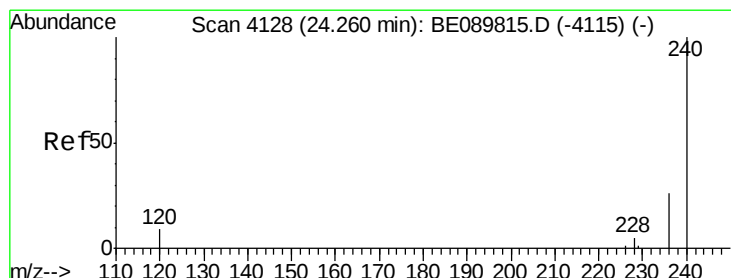
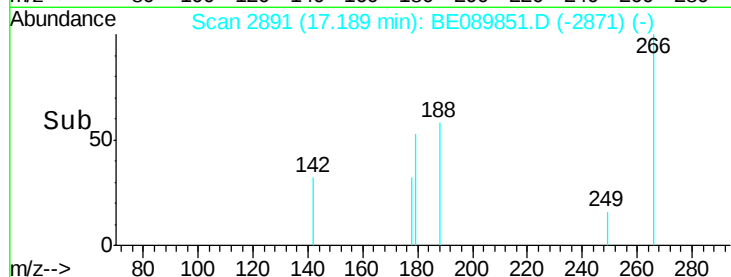
Tgt Ion: 266 Resp: 47
 Ion Ratio Lower Upper
 266 100
 268 77.3 51.6 77.4
 264 58.8 50.2 75.2



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

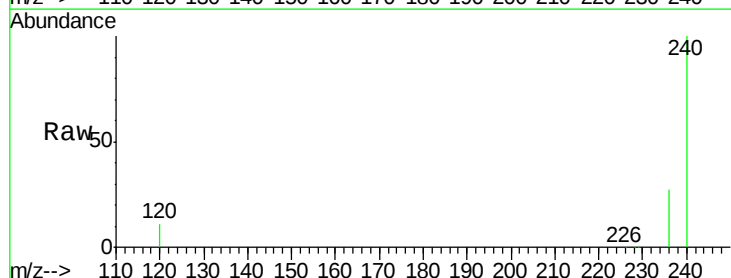


Time-->

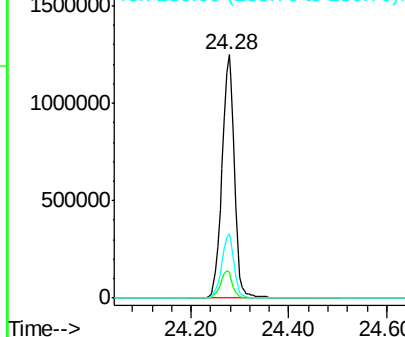


#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 24.28 min Scan# 4132
 Delta R.T. 0.02 min
 Lab File: BE089851.D
 Acq: 26 Mar 2015 00:10

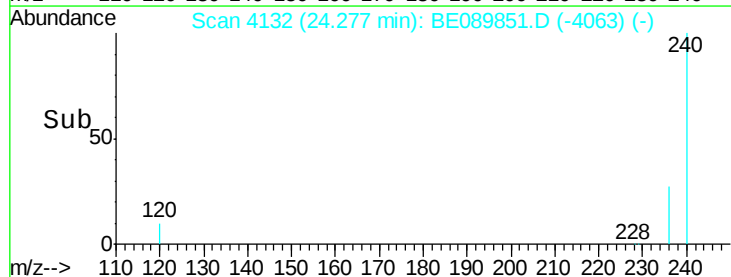
Tgt Ion: 240 Resp: 2188736
 Ion Ratio Lower Upper
 240 100
 120 10.5 7.5 11.3
 236 26.7 20.5 30.7

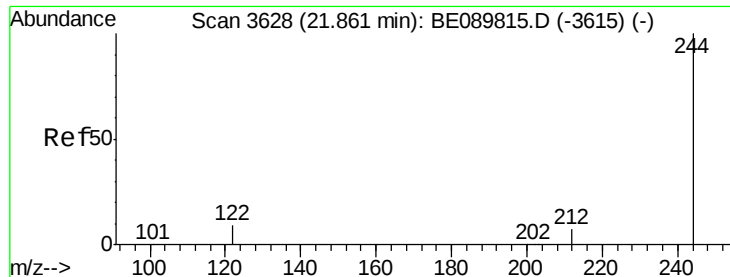


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#21

Terphenyl-d14

Concen: 27.76 ng

RT: 21.90 min Scan# 3635

Delta R.T. 0.04 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

Instrument :

BNA_E

ClientSampleId :

FB-031715

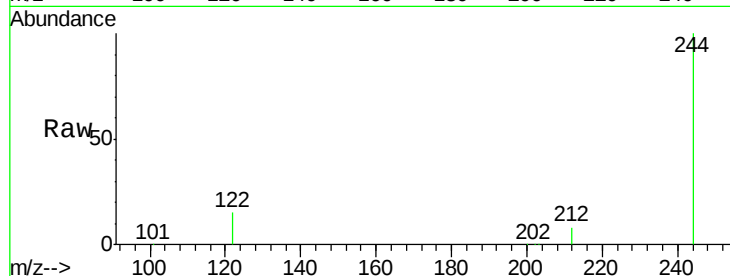
Tgt Ion:244 Resp: 8964611

Ion Ratio Lower Upper

244 100

212 8.2 7.3 10.9

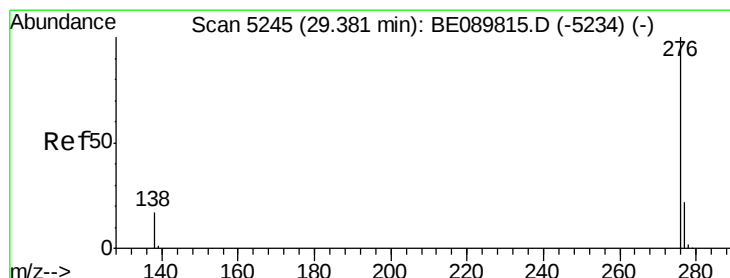
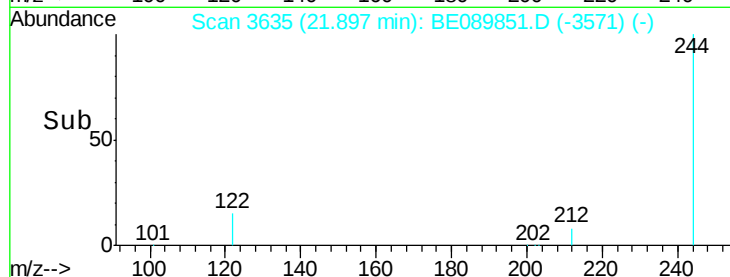
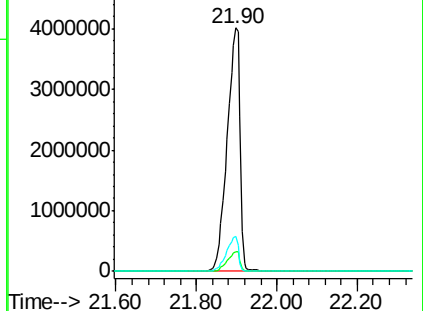
122 14.6 10.5 15.7



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng

RT: 29.39 min Scan# 5249

Delta R.T. 0.01 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

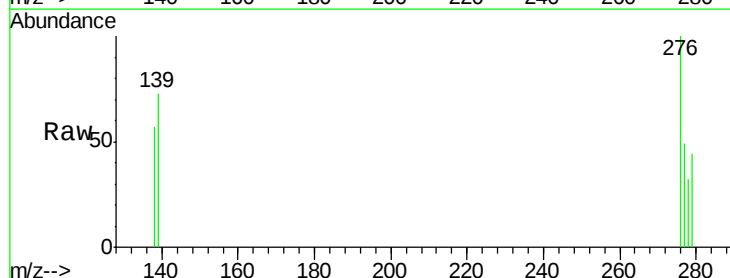
Tgt Ion:276 Resp: 748

Ion Ratio Lower Upper

276 100

138 18.4 4.3 6.5#

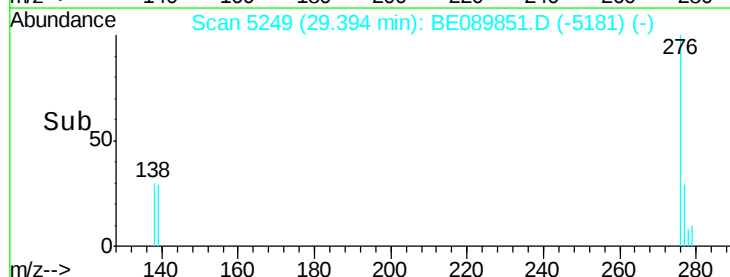
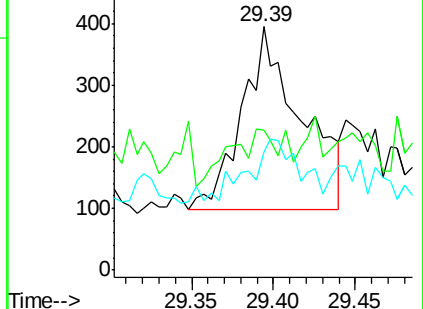
277 28.1 9.0 13.4#

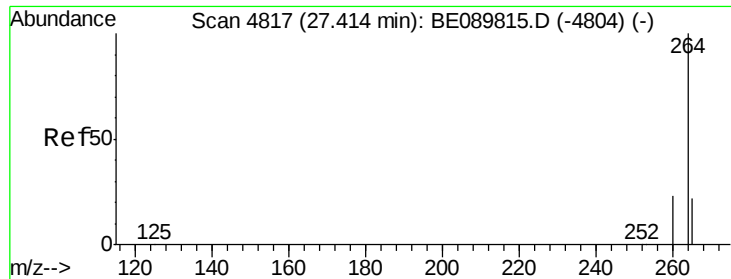


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Perylene-d12

Concen: 5.00 ng

RT: 27.43 min Scan# 4822

Delta R.T. 0.02 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

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FB-031715

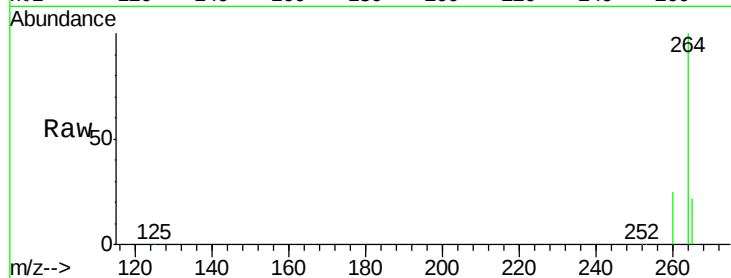
Tgt Ion:264 Resp: 2084072

Ion Ratio Lower Upper

264 100

260 24.7 18.2 27.2

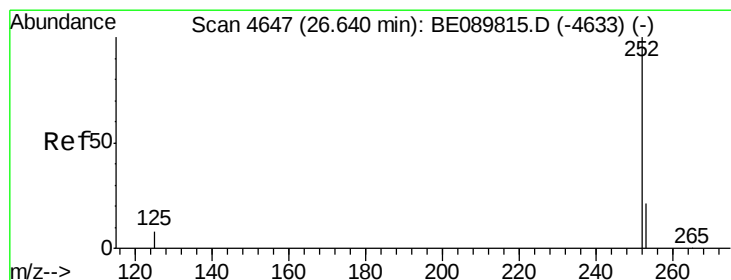
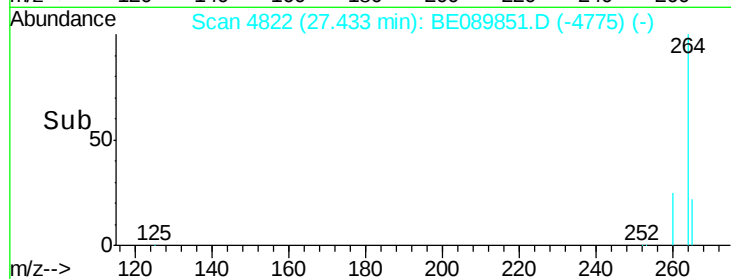
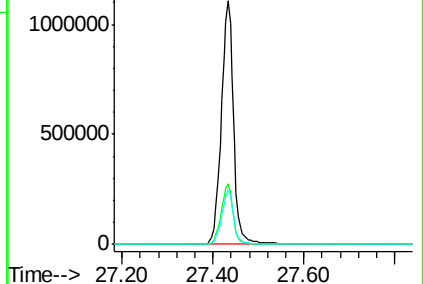
265 22.1 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#26

Benzo(b)fluoranthene

Concen: 0.31 ng

RT: 26.65 min Scan# 4649

Delta R.T. 0.01 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

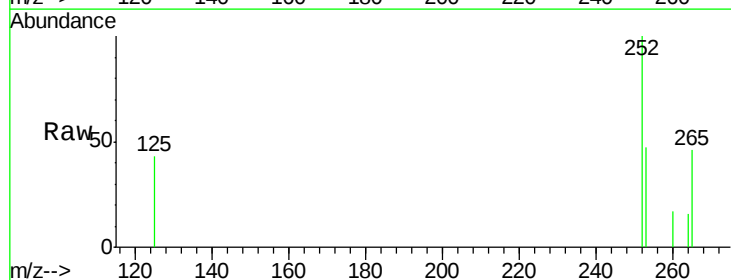
Tgt Ion:252 Resp: 1210

Ion Ratio Lower Upper

252 100

253 47.0 17.8 26.6#

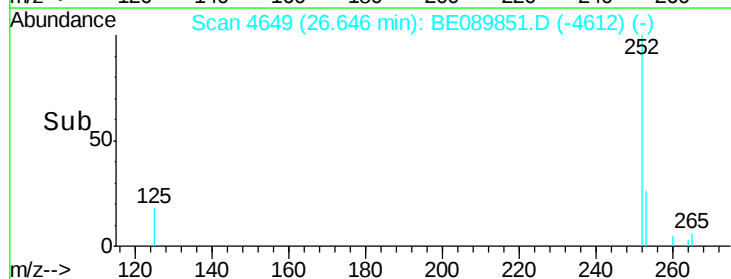
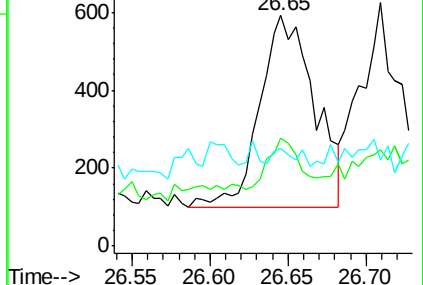
125 42.6 8.7 13.1#

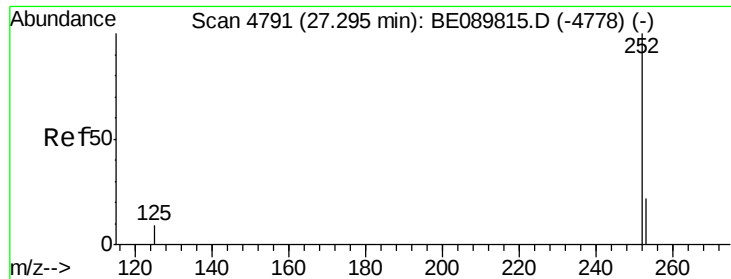


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Benzo(a)pyrene

Concen: 0.30 ng

RT: 27.30 min Scan# 4793

Delta R.T. 0.00 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

Instrument :

BNA_E

ClientSampleId :

FB-031715

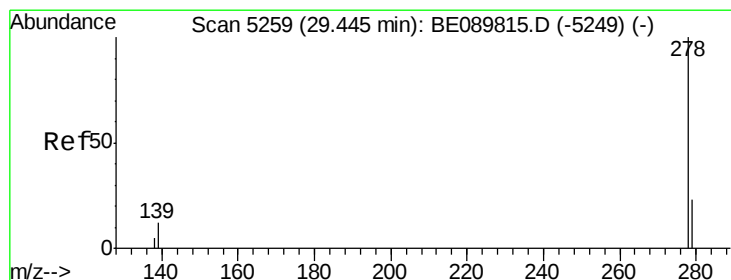
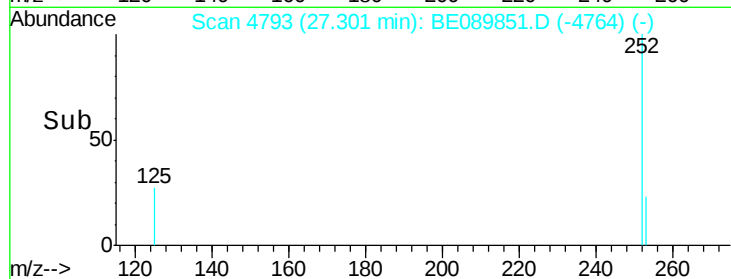
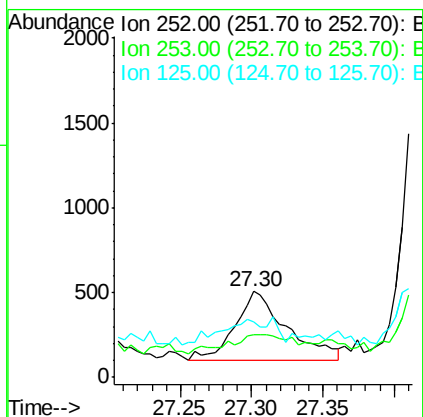
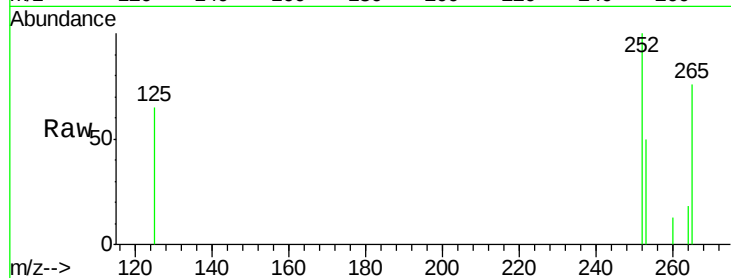
Tgt Ion:252 Resp: 1030

Ion Ratio Lower Upper

252 100

253 49.9 21.0 31.4#

125 65.1 13.3 19.9#



#29

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 29.46 min Scan# 5264

Delta R.T. 0.02 min

Lab File: BE089851.D

Acq: 26 Mar 2015 00:10

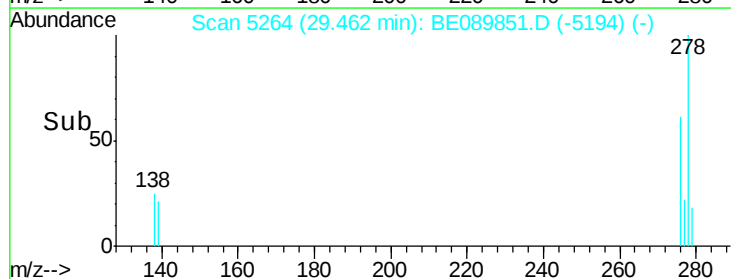
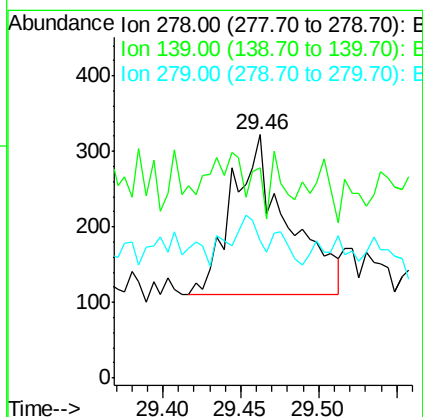
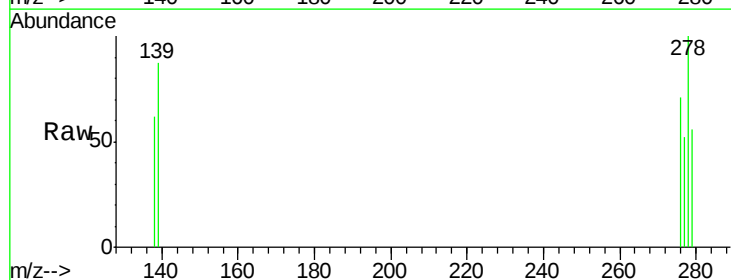
Tgt Ion:278 Resp: 521

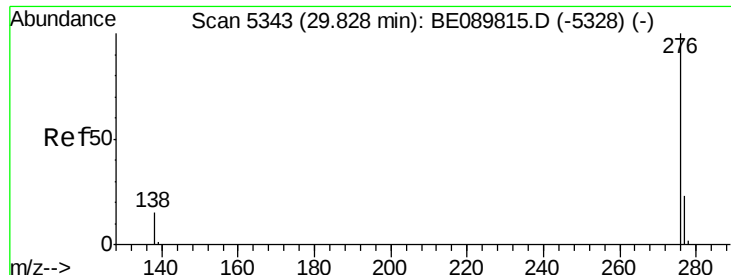
Ion Ratio Lower Upper

278 100

139 86.6 20.0 30.0#

279 56.2 28.9 43.3#





#30

Benzo(g,h,i)perylene

Concen: 0.25 ng

RT: 29.84 min Scan# 5348

Delta R.T. 0.02 min

Lab File: BE089851.D

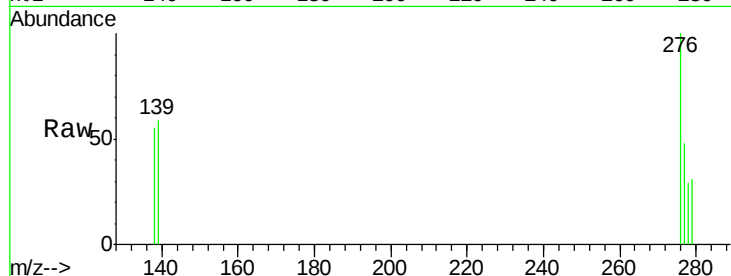
Acq: 26 Mar 2015 00:10

Instrument :

BNA_E

ClientSampleId :

FB-031715



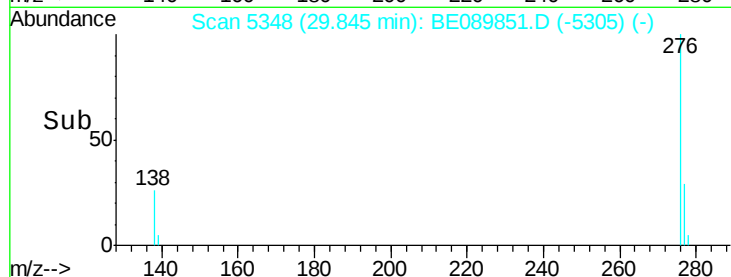
Tgt Ion: 276 Resp: 1027

Ion Ratio Lower Upper

276 100

277 47.8 19.2 28.8#

138 54.8 22.9 34.3#



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

