

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089847.D
 Acq On : 25 Mar 2015 21:29
 Operator : TP/JJ
 Sample : G1575-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-031715

Quant Time: Mar 26 03:29:01 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

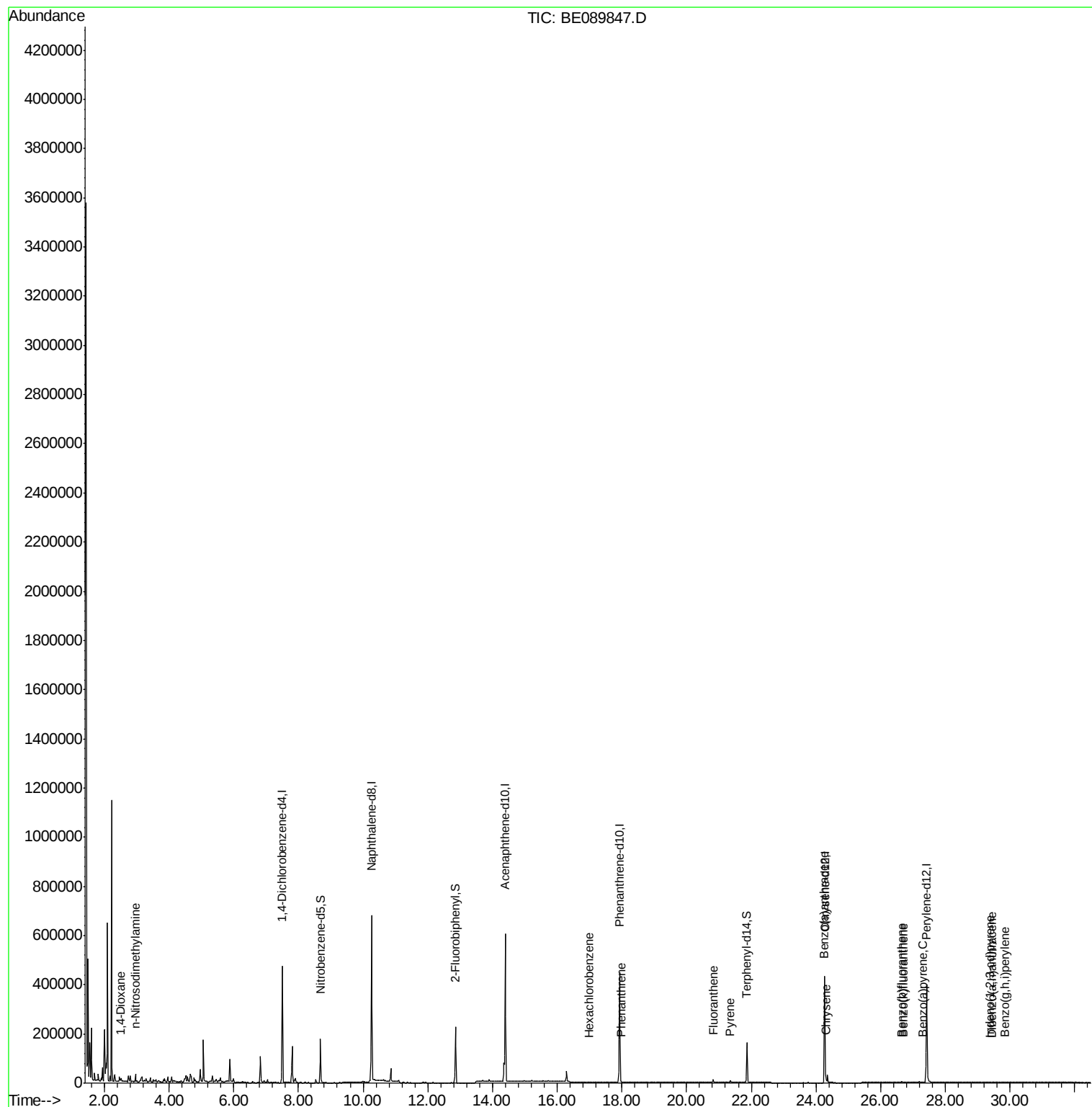
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	206596	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	827795	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	352072	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	594914	5.00	ng	0.00
19) Chrysene-d12	24.27	240	553823	5.00	ng	0.00
25) Perylene-d12	27.42	264	504864	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	143358	2.56	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	208710	2.53	ng	0.00
21) Terphenyl-d14	21.87	244	218587	2.68	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.50	88	1014	0.03	ng	# 27
3) n-Nitrosodimethylamine	2.96	42	2604	0.07	ng	# 9
14) Hexachlorobenzene	16.99	284	697	0.04	ng	99
15) Pentachlorophenol	17.51	266	325	Below Cal		97
16) Phenanthrene	17.98	178	5946	0.05	ng	96
18) Fluoranthene	20.83	202	12899	0.11	ng	97
20) Pyrene	21.35	202	10449	0.07	ng	# 91
22) Benzo(a)anthracene	24.25	228	4903	0.05	ng	# 84
23) Chrysene	24.33	228	6883	0.06	ng	# 86
24) Indeno(1,2,3-cd)pyrene	29.39	276	3030	0.45	ng	# 86
26) Benzo(b)fluoranthene	26.65	252	7996	0.38	ng	# 64
27) Benzo(k)fluoranthene	26.70	252	2436	0.02	ng	# 28
28) Benzo(a)pyrene	27.30	252	3735	0.33	ng	# 21
29) Dibenzo(a,h)anthracene	29.44	278	625	0.27	ng	# 1
30) Benzo(g,h,i)perylene	29.84	276	4392	0.29	ng	# 71

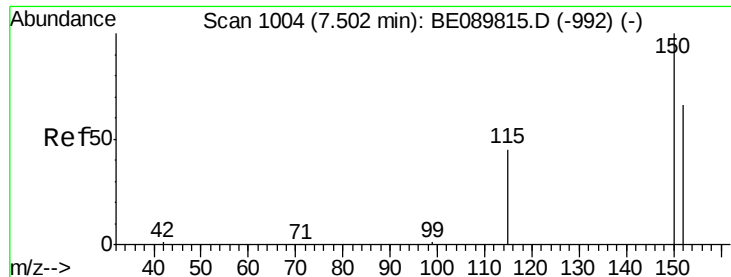
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

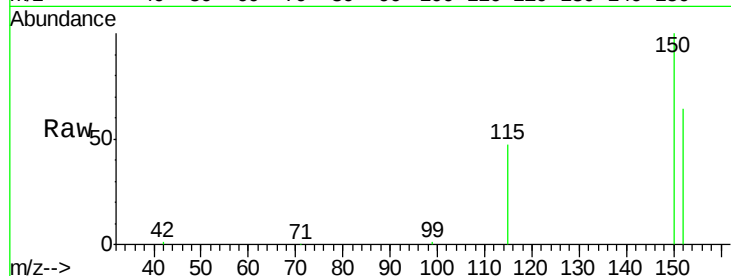
Tgt Ion:152 Resp: 206596

Ion Ratio Lower Upper

152 100

150 155.4 125.5 188.3

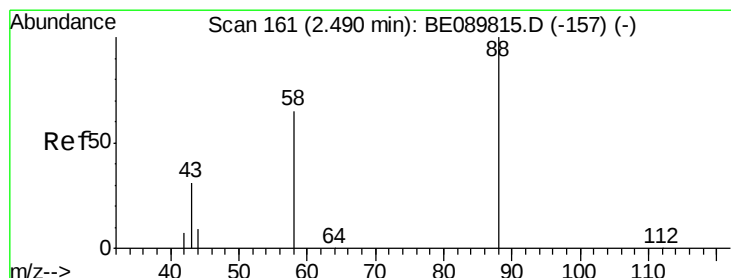
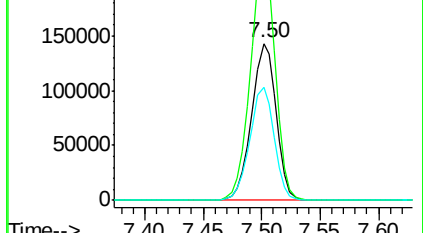
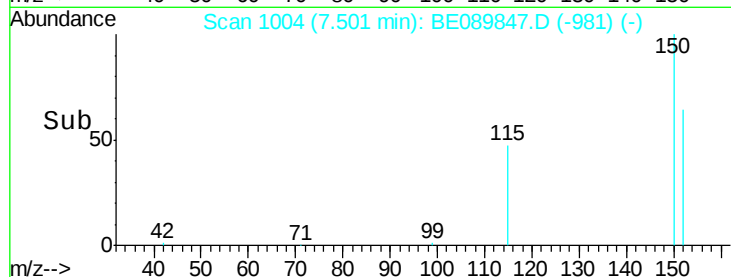
115 72.5 58.0 87.0



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: 0.03 ng

RT: 2.50 min Scan# 162

Delta R.T. -0.03 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

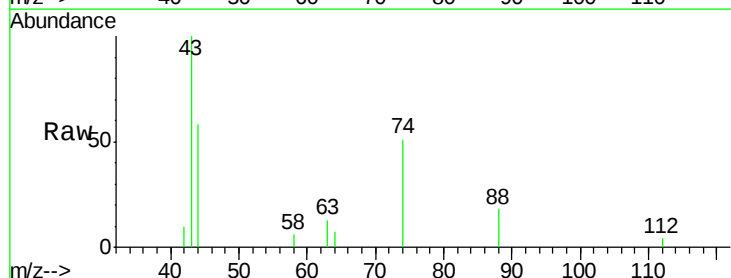
Tgt Ion: 88 Resp: 1014

Ion Ratio Lower Upper

88 100

58 0.0 48.6 72.8#

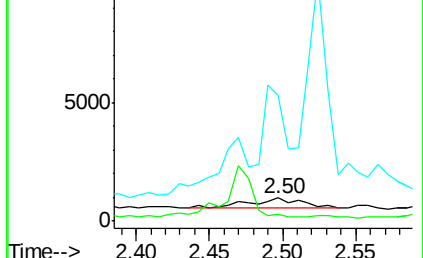
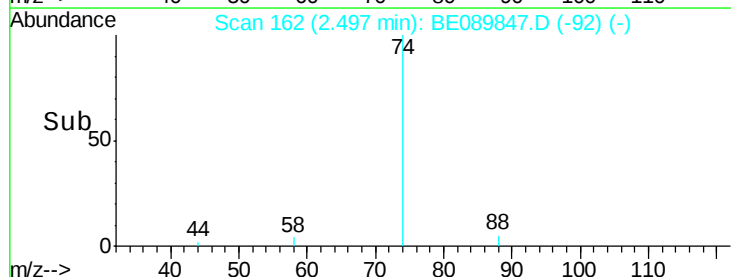
43 0.0 28.6 43.0#

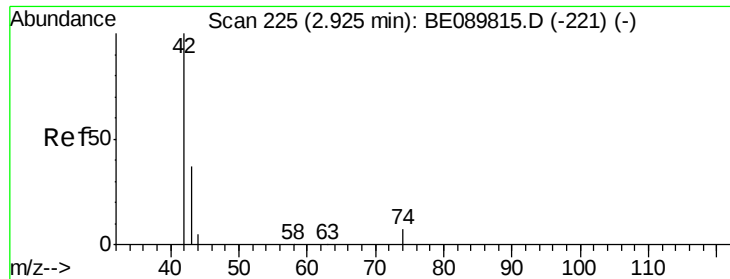


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 2.96 min Scan# 230

Delta R.T. -0.03 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

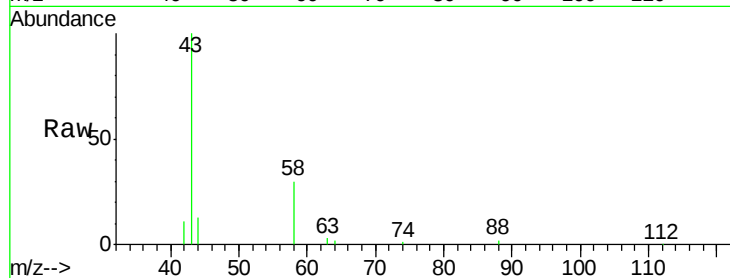
Tgt Ion: 42 Resp: 2604

Ion Ratio Lower Upper

42 100

74 0.0 68.7 103.1#

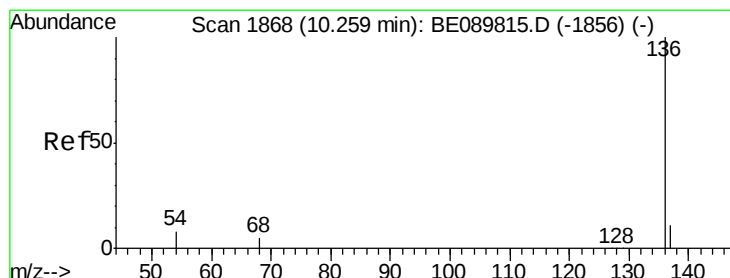
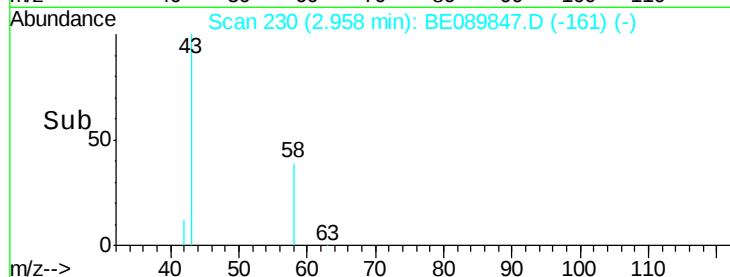
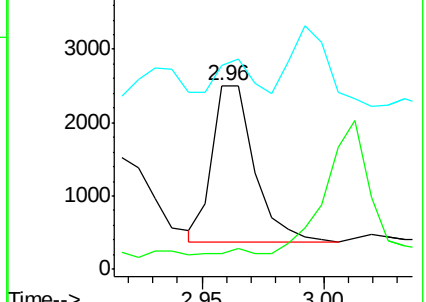
44 27.9 6.2 9.4#



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: 10.26 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

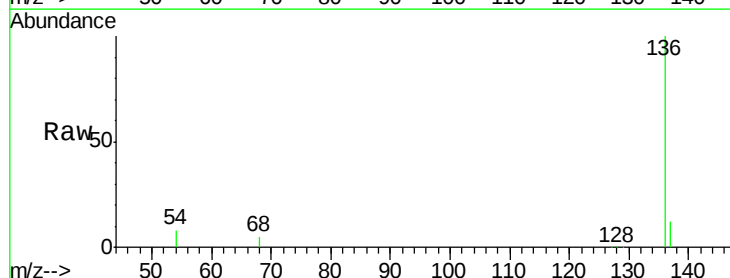
Tgt Ion: 136 Resp: 827795

Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

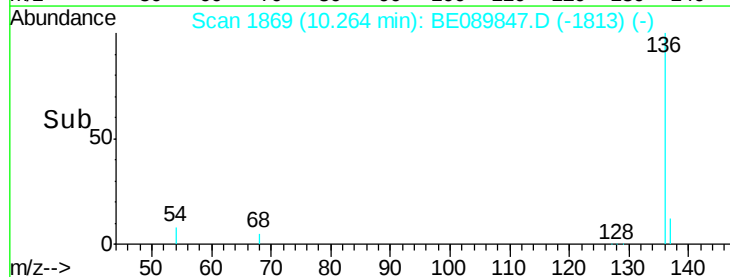
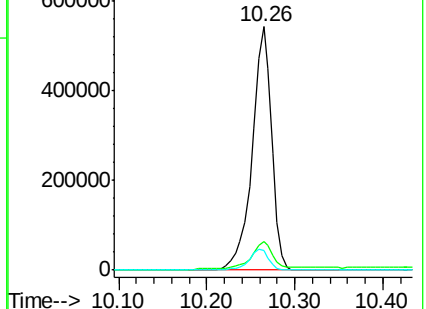
54 7.8 7.0 10.4

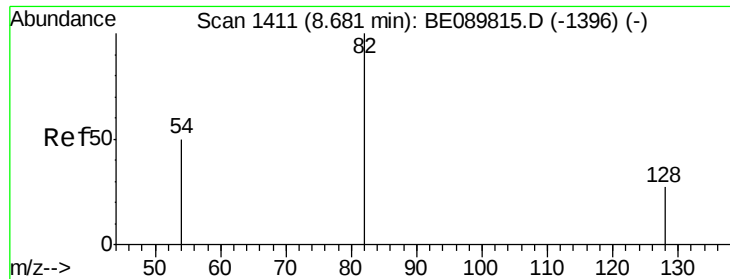


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 2.56 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

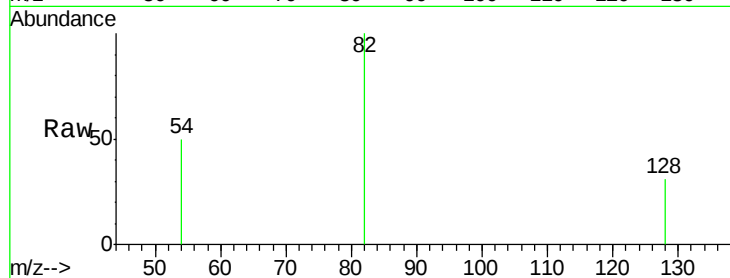
Tgt Ion: 82 Resp: 143358

Ion Ratio Lower Upper

82 100

128 31.1 24.6 37.0

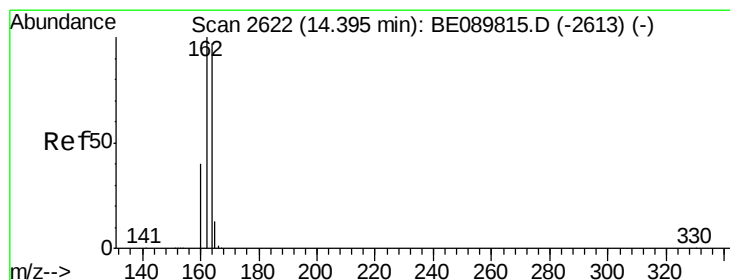
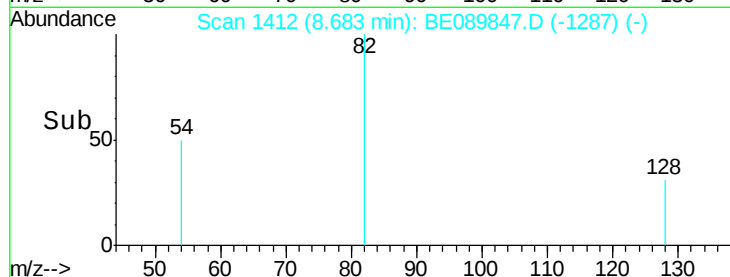
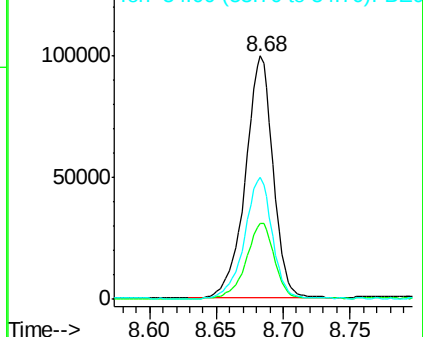
54 50.3 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE089847.D (-1396) (-)

Ion 128.00 (127.70 to 128.70): BE089847.D (-1396) (-)

Ion 54.00 (53.70 to 54.70): BE089847.D (-1396) (-)



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

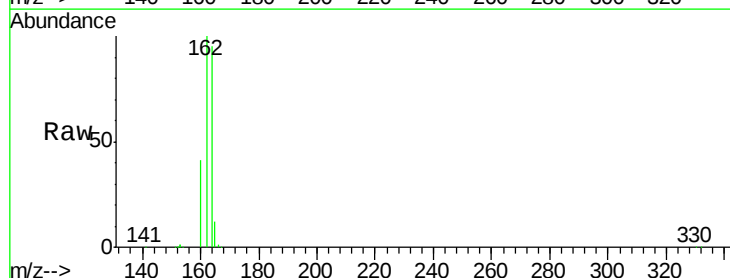
Tgt Ion: 164 Resp: 352072

Ion Ratio Lower Upper

164 100

162 105.8 87.6 131.4

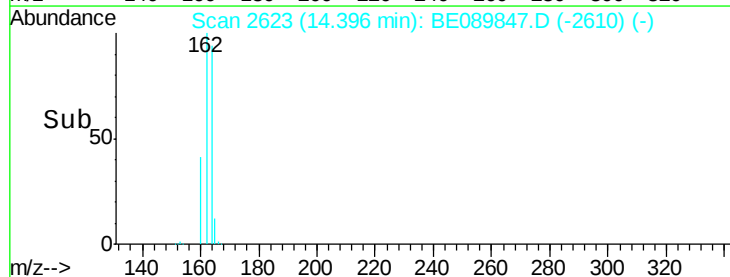
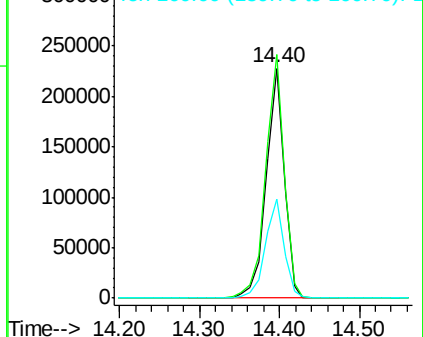
160 43.2 36.7 55.1

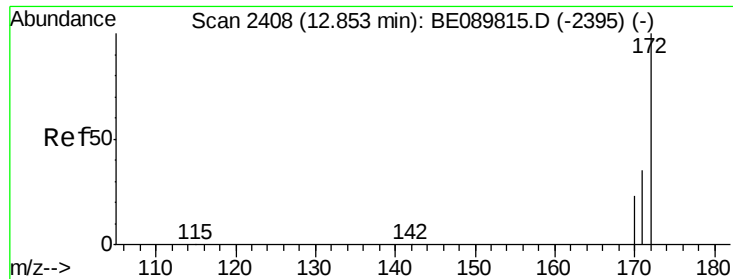


Abundance Ion 164.00 (163.70 to 164.70): BE089847.D (-2610) (-)

Ion 162.00 (161.70 to 162.70): BE089847.D (-2610) (-)

Ion 160.00 (159.70 to 160.70): BE089847.D (-2610) (-)





#9

2-Fluorobiphenyl

Concen: 2.53 ng

RT: 12.86 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

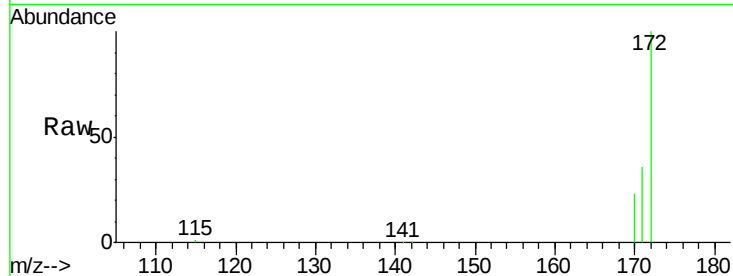
Tgt Ion:172 Resp: 208710

Ion Ratio Lower Upper

172 100

171 36.4 30.8 46.2

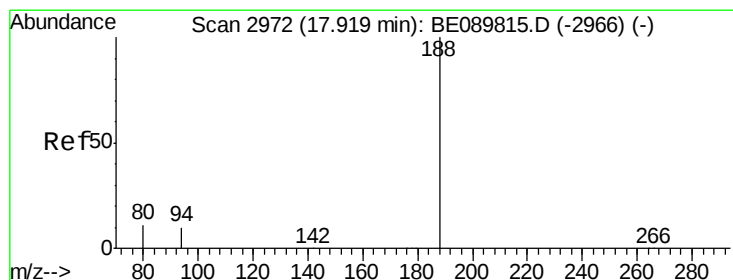
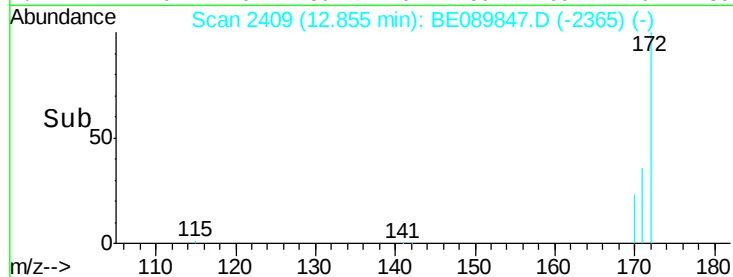
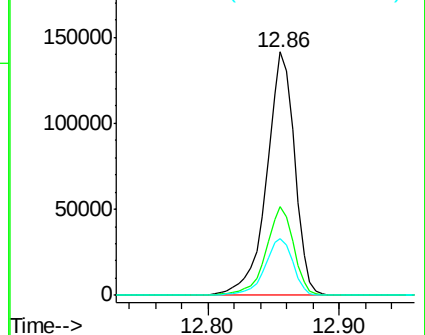
170 23.3 21.0 31.4



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



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.93 min Scan# 2974

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

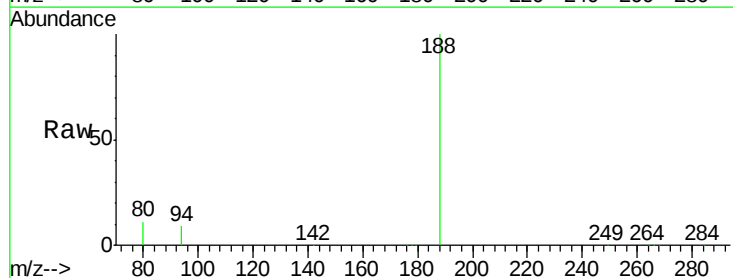
Tgt Ion:188 Resp: 594914

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

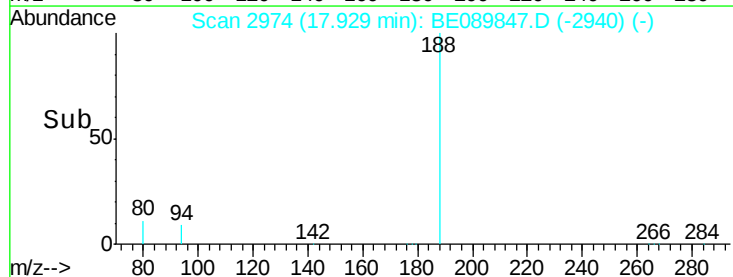
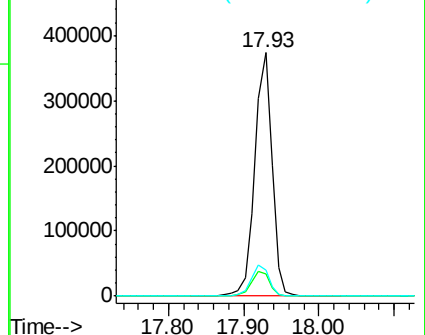
80 10.7 10.0 15.0

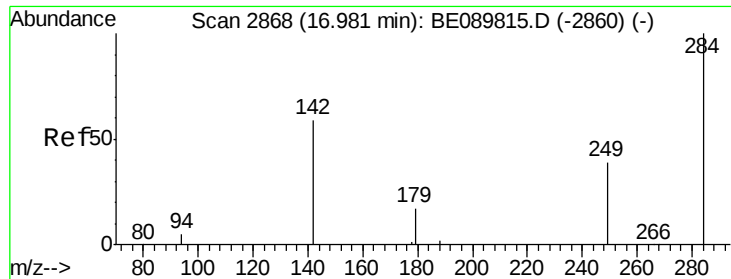


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

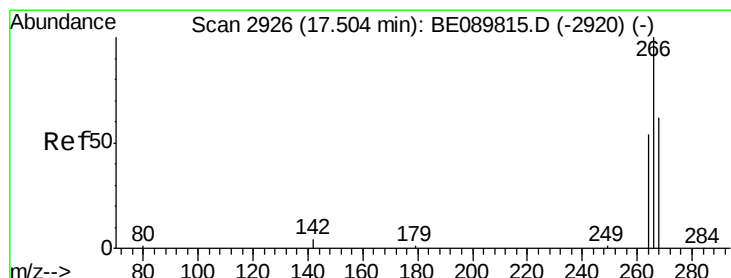
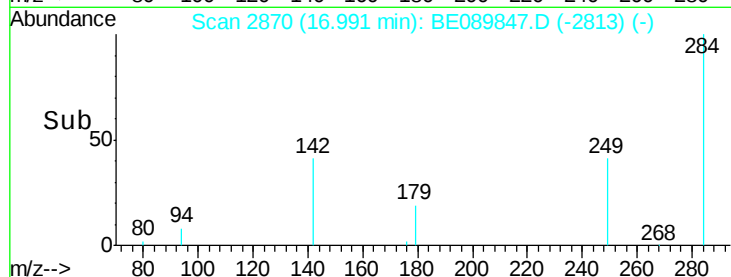
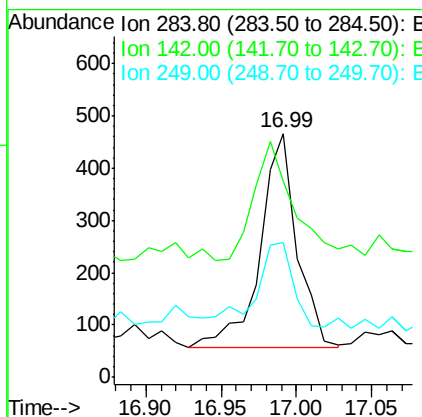
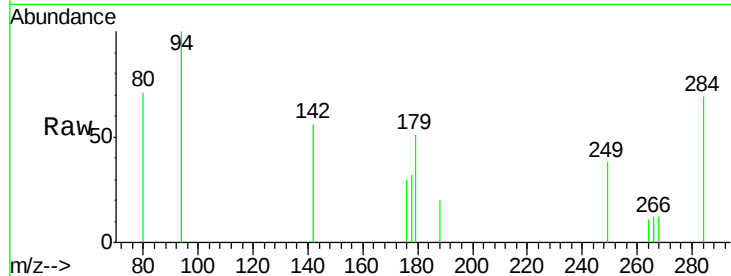




#14
Hexachlorobenzene
Concen: 0.04 ng
RT: 16.99 min Scan# 2870
Delta R.T. 0.01 min
Lab File: BE089847.D
Acq: 25 Mar 2015 21:29

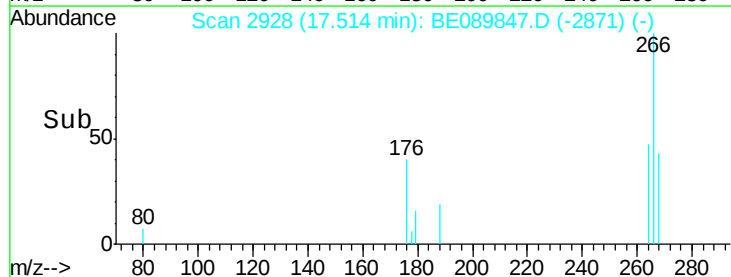
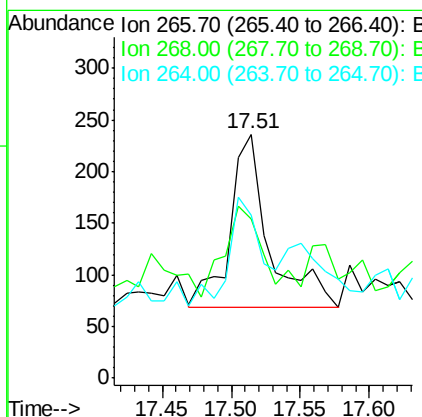
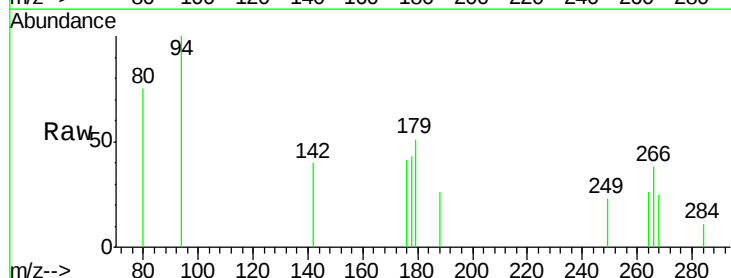
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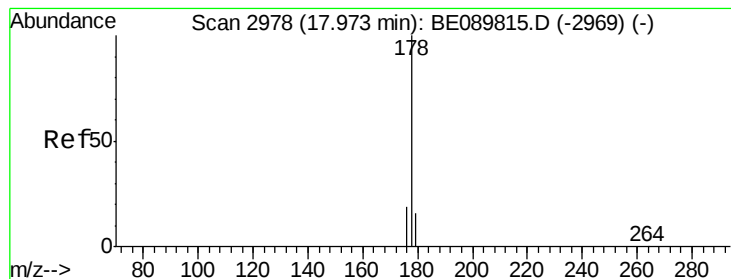
Tgt Ion:284 Resp: 697
Ion Ratio Lower Upper
284 100
142 65.6 53.3 79.9
249 39.9 31.1 46.7



#15
Pentachlorophenol
Concen: Below Cal
RT: 17.51 min Scan# 2928
Delta R.T. 0.01 min
Lab File: BE089847.D
Acq: 25 Mar 2015 21:29

Tgt Ion:266 Resp: 325
Ion Ratio Lower Upper
266 100
268 65.3 51.6 77.4
264 66.9 50.2 75.2





#16

Phenanthrene

Concen: 0.05 ng

RT: 17.98 min Scan# 2980

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

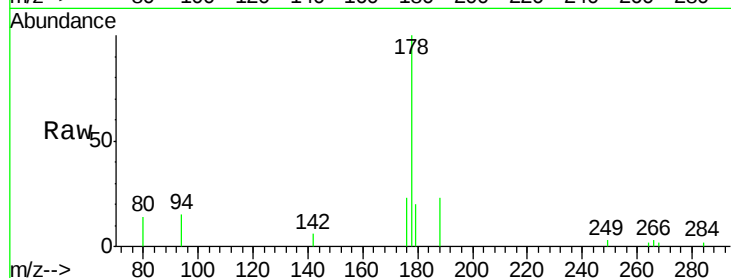
Tgt Ion:178 Resp: 5946

Ion Ratio Lower Upper

178 100

176 22.2 15.4 23.0

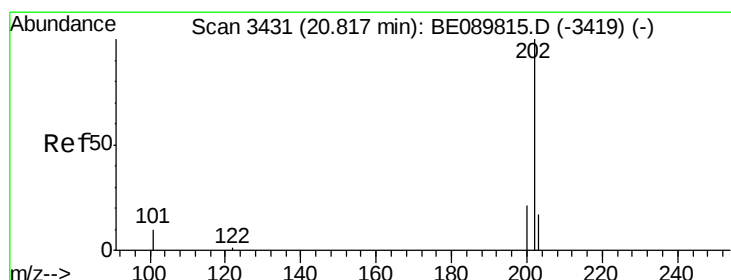
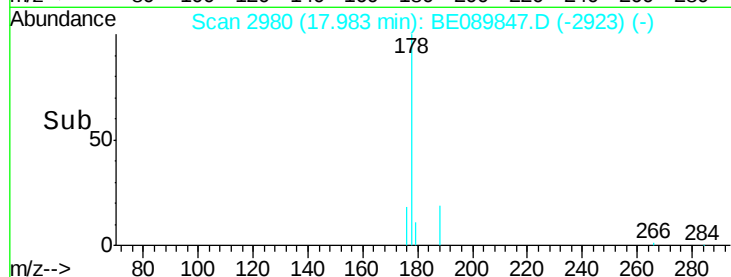
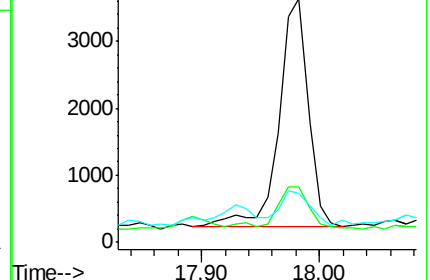
179 14.6 12.2 18.4



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



#18

Fluoranthene

Concen: 0.11 ng

RT: 20.83 min Scan# 3434

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

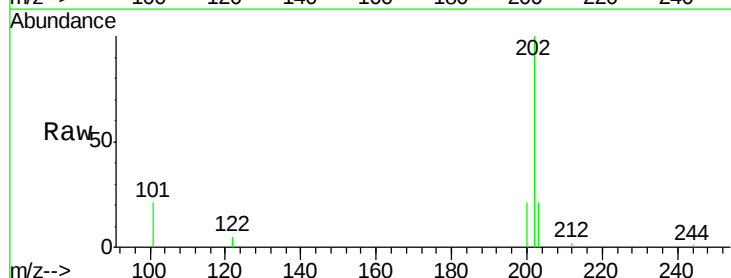
Tgt Ion:202 Resp: 12899

Ion Ratio Lower Upper

202 100

101 12.0 8.2 12.2

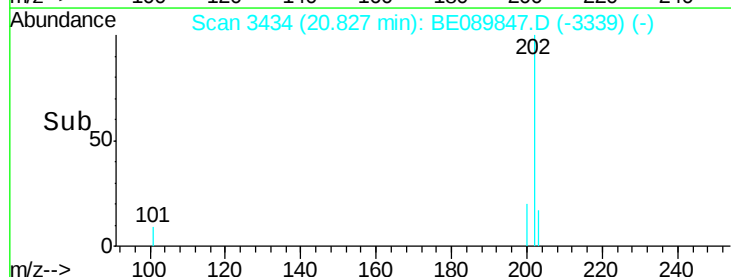
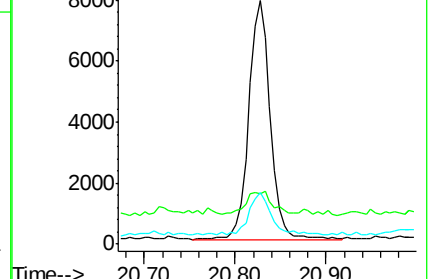
203 18.9 14.2 21.4

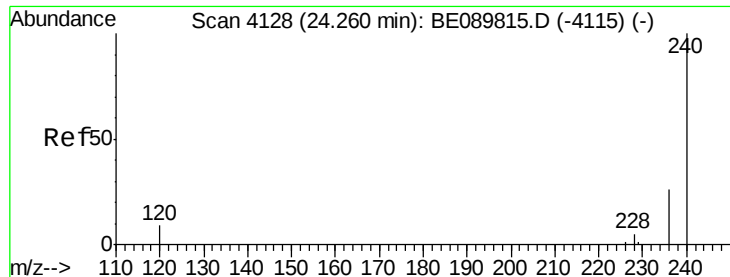


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.27 min Scan# 4131

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

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ClientSampleId :

DUP-031715

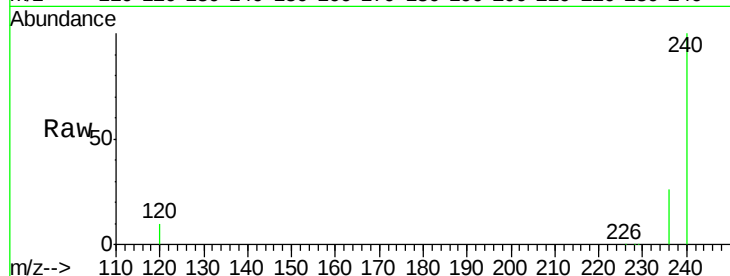
Tgt Ion:240 Resp: 553823

Ion Ratio Lower Upper

240 100

120 10.4 7.5 11.3

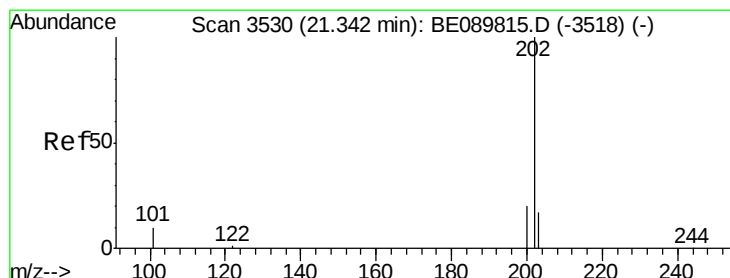
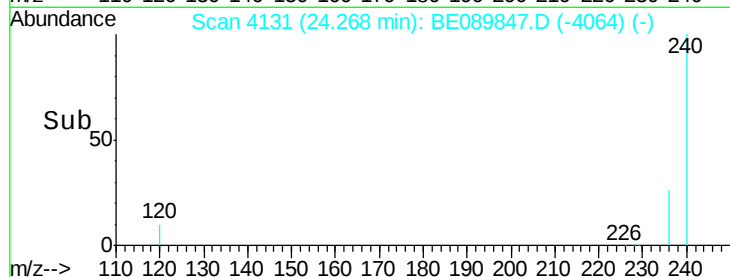
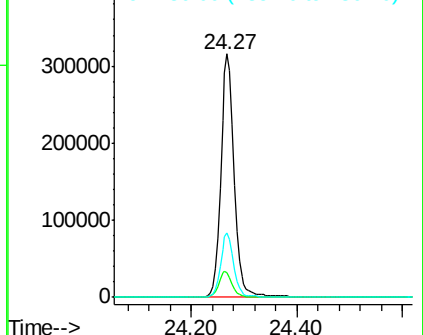
236 26.4 20.5 30.7



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



#20

Pyrene

Concen: 0.07 ng

RT: 21.35 min Scan# 3532

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

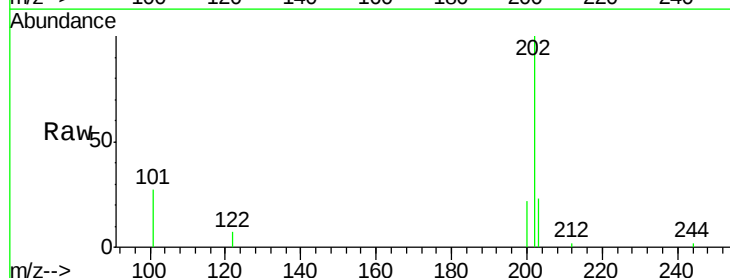
Tgt Ion:202 Resp: 10449

Ion Ratio Lower Upper

202 100

200 22.7 15.9 23.9

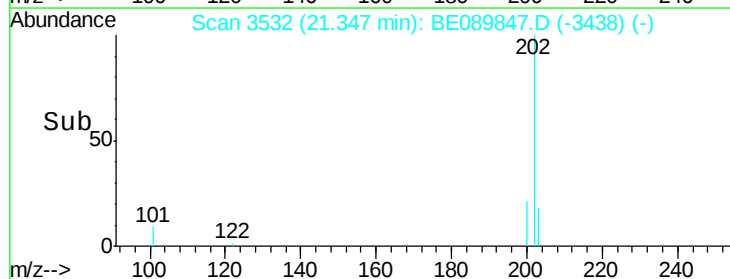
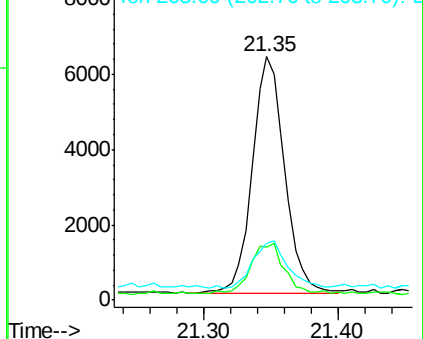
203 22.5 13.6 20.4#

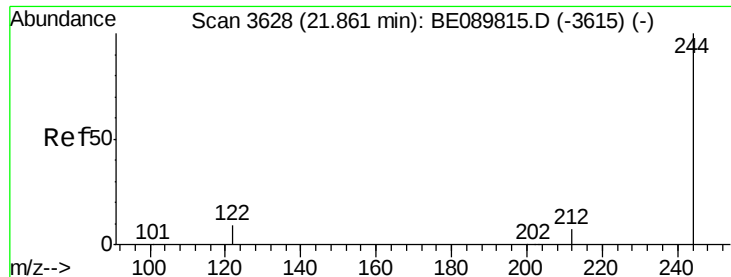


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 2.68 ng

RT: 21.87 min Scan# 3630

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

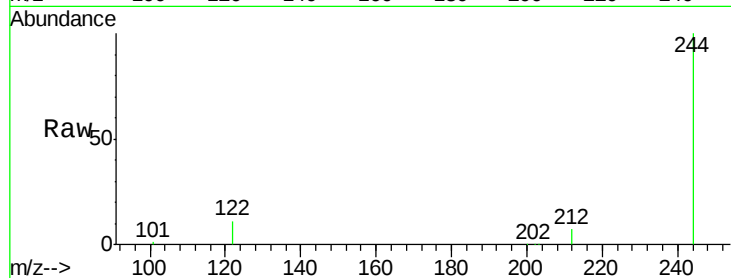
Tgt Ion:244 Resp: 218587

Ion Ratio Lower Upper

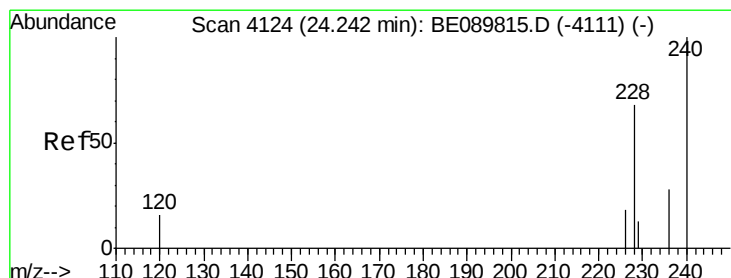
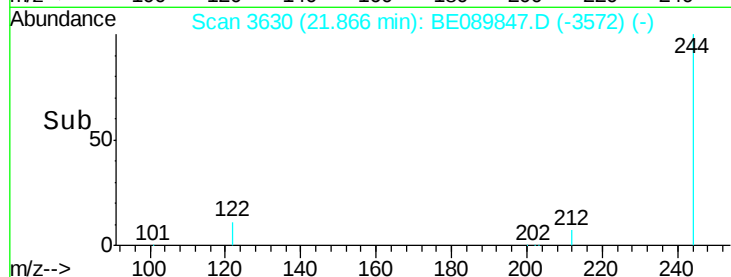
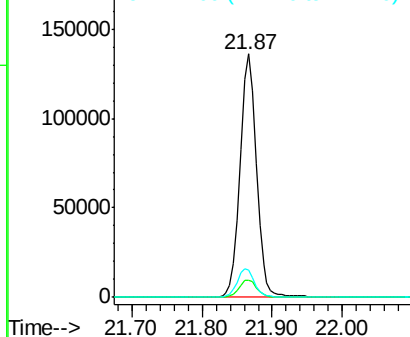
244 100

212 7.2 7.3 10.9#

122 11.3 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



#22

Benzo(a)anthracene

Concen: 0.05 ng

RT: 24.25 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

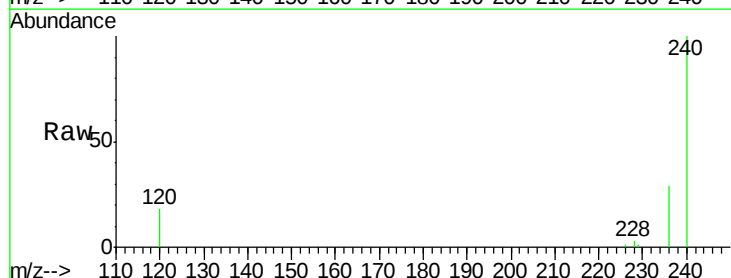
Tgt Ion:228 Resp: 4903

Ion Ratio Lower Upper

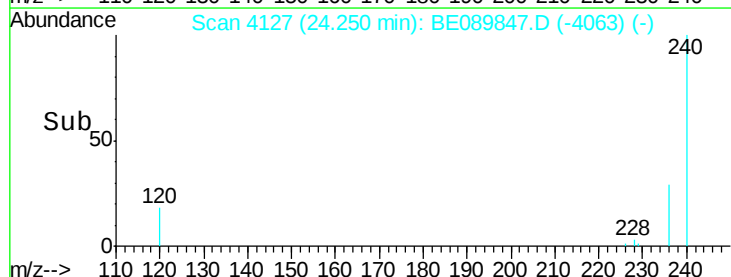
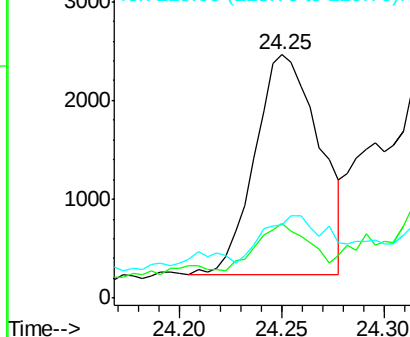
228 100

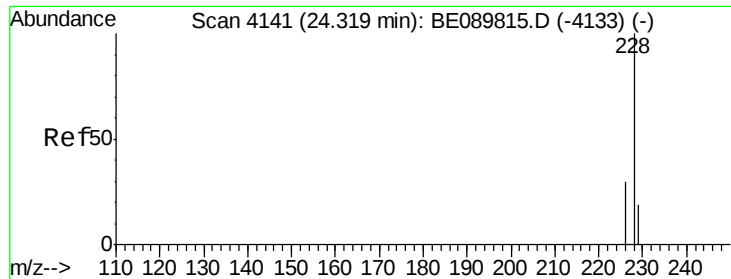
226 30.5 19.8 29.8#

229 30.0 16.3 24.5#



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

Chrysene

Concen: 0.06 ng

RT: 24.33 min Scan# 4144

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

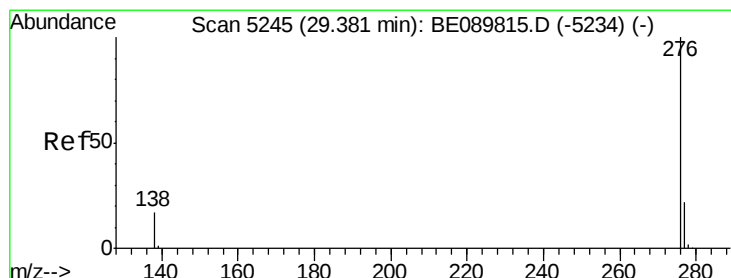
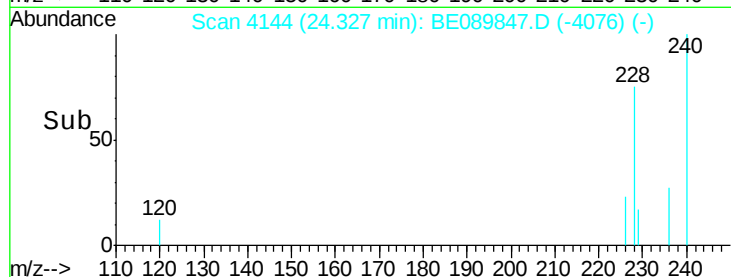
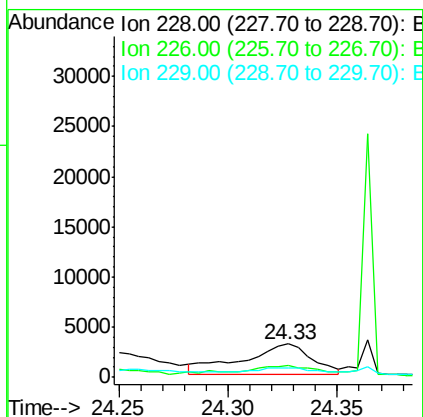
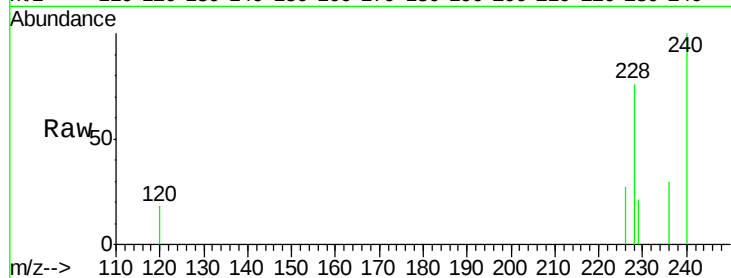
Tgt Ion:228 Resp: 6883

Ion Ratio Lower Upper

228 100

226 35.0 23.0 34.4#

229 27.7 15.8 23.6#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.45 ng

RT: 29.39 min Scan# 5248

Delta R.T. 0.01 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

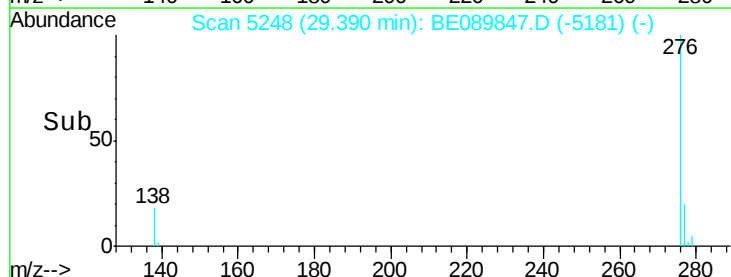
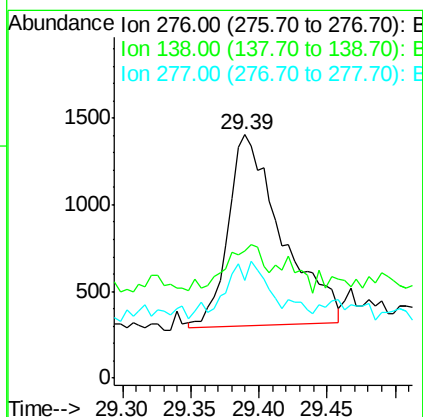
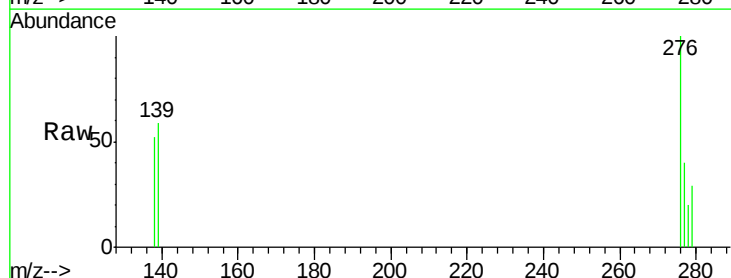
Tgt Ion:276 Resp: 3030

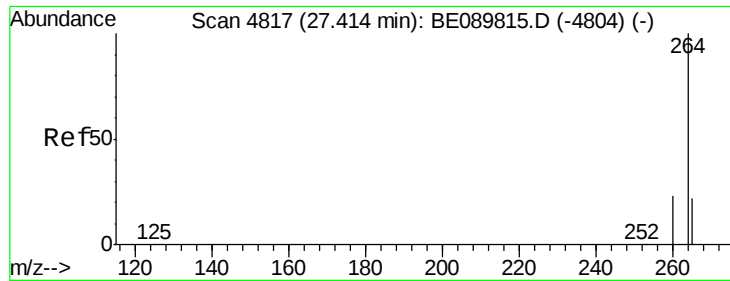
Ion Ratio Lower Upper

276 100

138 14.6 4.3 6.5#

277 8.5 9.0 13.4#

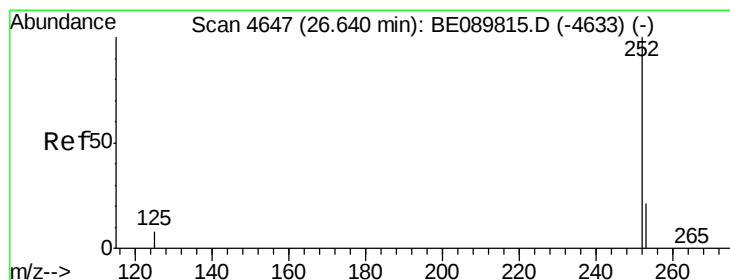
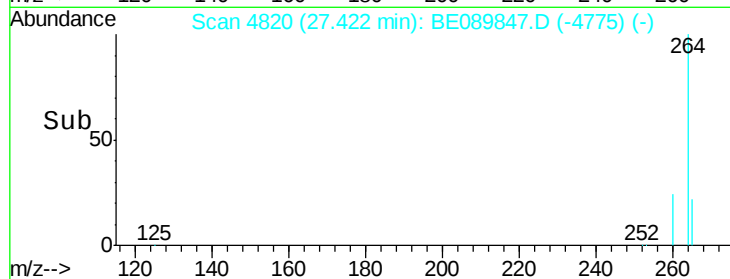
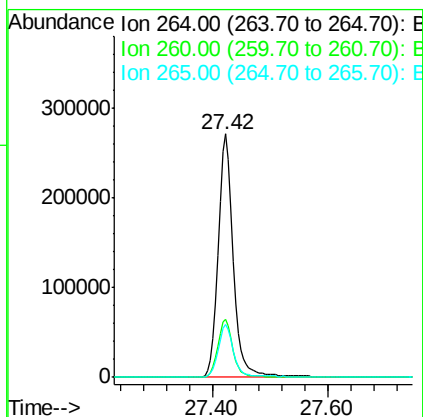
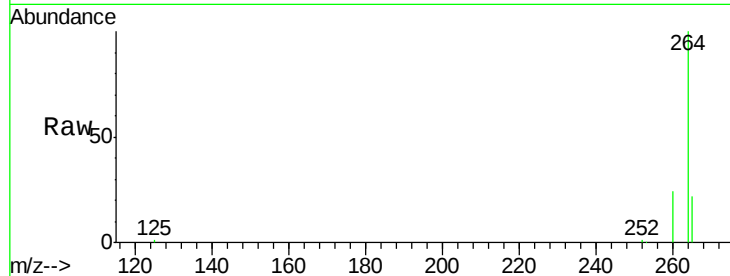




#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4820
 Delta R.T. 0.01 min
 Lab File: BE089847.D
 Acq: 25 Mar 2015 21:29

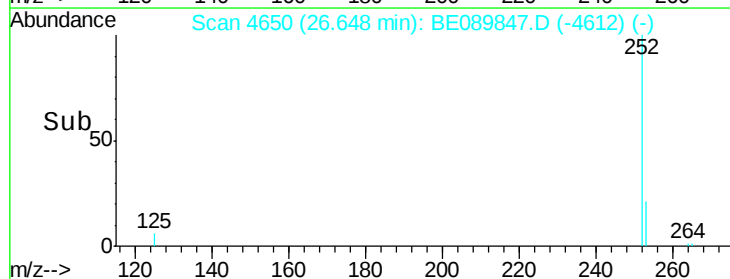
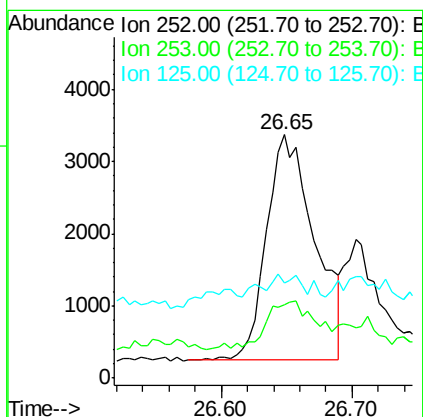
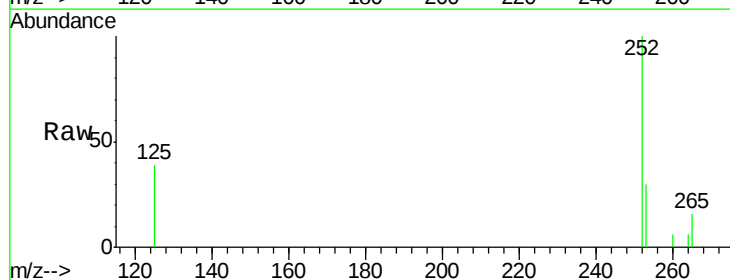
Instrument :
 BNA_E
 ClientSampleId :
 DUP-031715

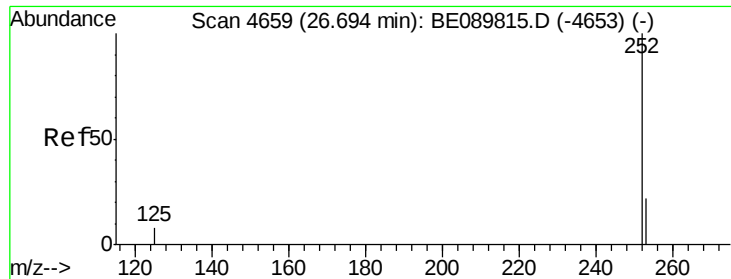
Tgt Ion: 264 Resp: 504864
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.2
 265 21.9 17.3 25.9



#26
Benzo(b)fluoranthene
 Concen: 0.38 ng
 RT: 26.65 min Scan# 4650
 Delta R.T. 0.01 min
 Lab File: BE089847.D
 Acq: 25 Mar 2015 21:29

Tgt Ion: 252 Resp: 7996
 Ion Ratio Lower Upper
 252 100
 253 30.4 17.8 26.6#
 125 39.3 8.7 13.1#





#27

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 26.70 min Scan# 4662

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

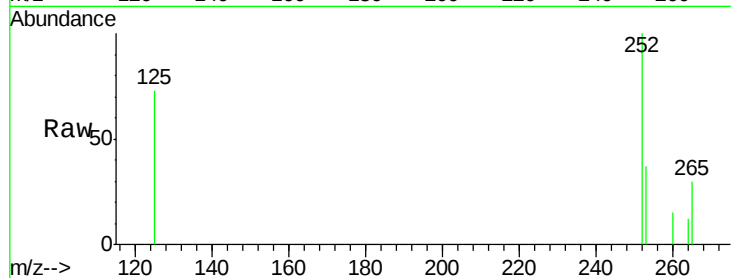
Tgt Ion:252 Resp: 2436

Ion Ratio Lower Upper

252 100

253 36.6 18.6 28.0#

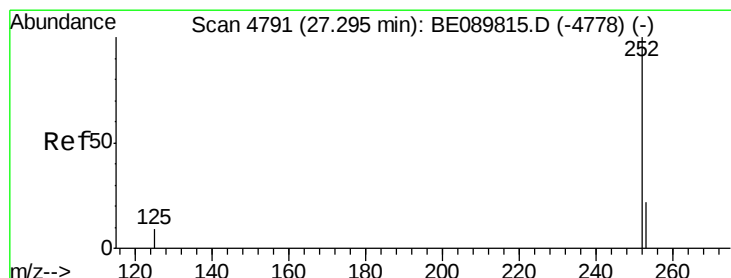
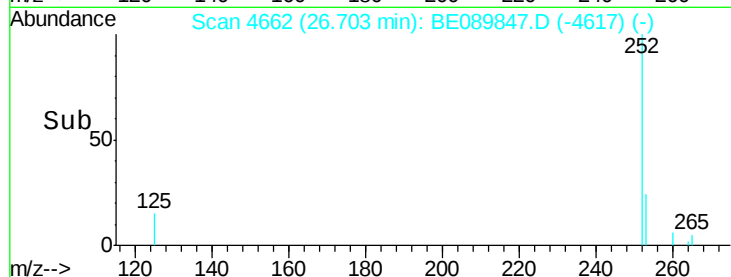
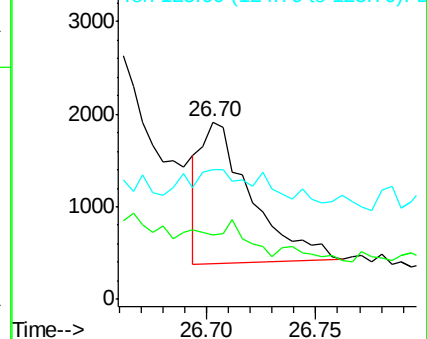
125 73.1 10.8 16.2#



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



#28

Benzo(a)pyrene

Concen: 0.33 ng

RT: 27.30 min Scan# 4794

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

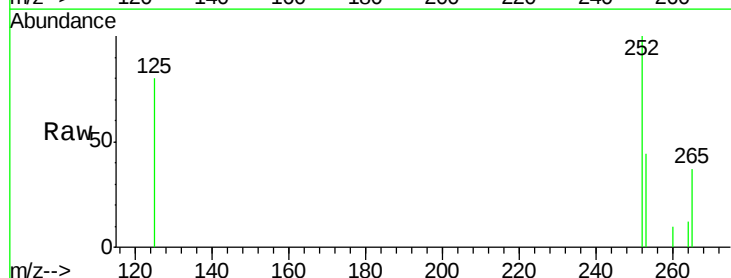
Tgt Ion:252 Resp: 3735

Ion Ratio Lower Upper

252 100

253 44.4 21.0 31.4#

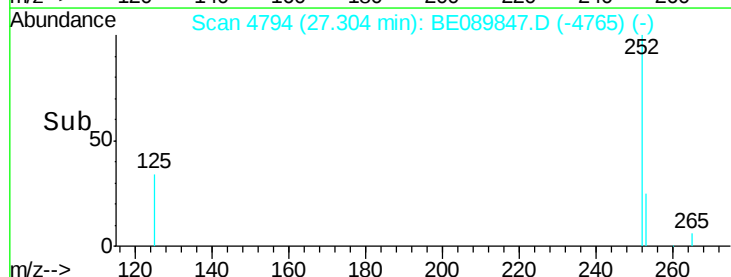
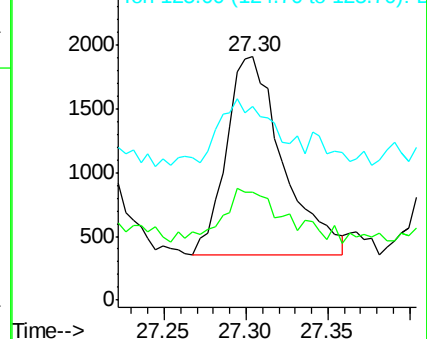
125 79.7 13.3 19.9#

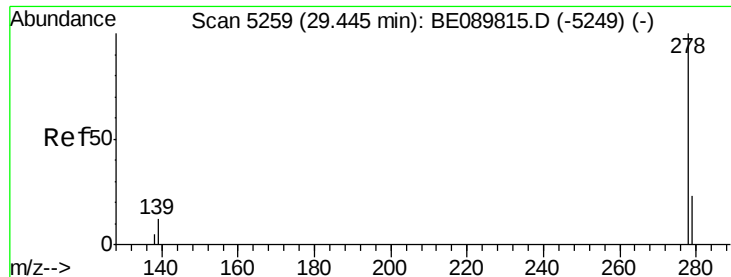


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.27 ng

RT: 29.44 min Scan# 5260

Delta R.T. 0.00 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Instrument :

BNA_E

ClientSampleId :

DUP-031715

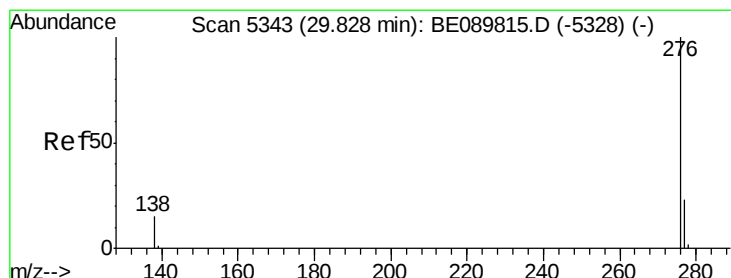
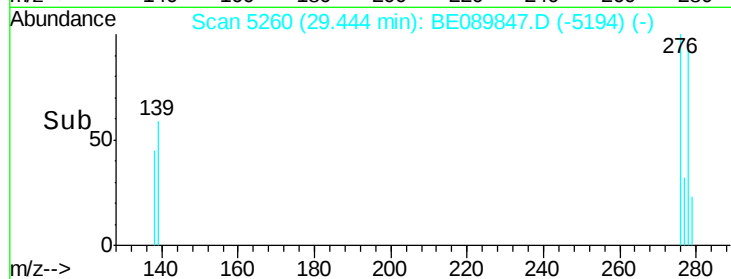
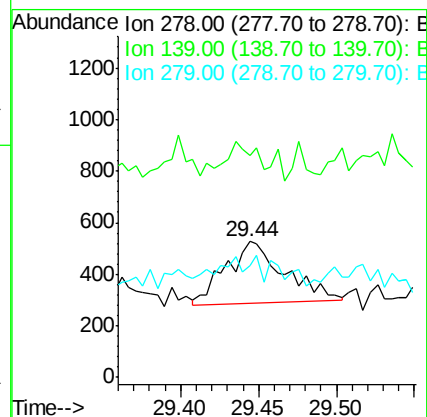
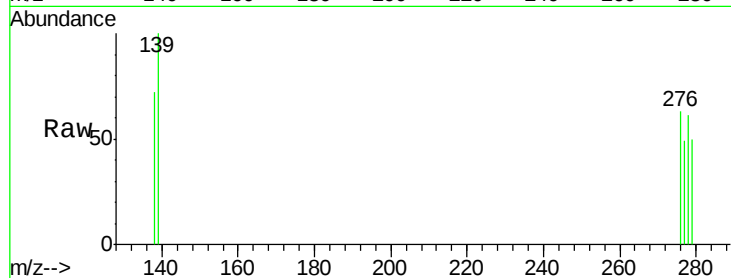
Tgt Ion: 278 Resp: 625

Ion Ratio Lower Upper

278 100

139 163.6 20.0 30.0#

279 82.2 28.9 43.3#



#30

Benzo(g,h,i)perylene

Concen: 0.29 ng

RT: 29.84 min Scan# 5346

Delta R.T. 0.02 min

Lab File: BE089847.D

Acq: 25 Mar 2015 21:29

Tgt Ion: 276 Resp: 4392

Ion Ratio Lower Upper

276 100

277 40.0 19.2 28.8#

138 42.5 22.9 34.3#

