

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089845.D
 Acq On : 25 Mar 2015 20:09
 Operator : TP/JJ
 Sample : G1575-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RW-9V

Quant Time: Mar 26 03:28:19 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	227823	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	901077	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	386624	5.00	ng	0.00
13) Phenanthrene-d10	17.93	188	653967	5.00	ng	0.00
19) Chrysene-d12	24.27	240	628367	5.00	ng	0.00
25) Perylene-d12	27.42	264	582910	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.68	82	508753	7.76	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	781035	8.63	ng	0.00
21) Terphenyl-d14	21.87	244	854932	9.22	ng	0.00

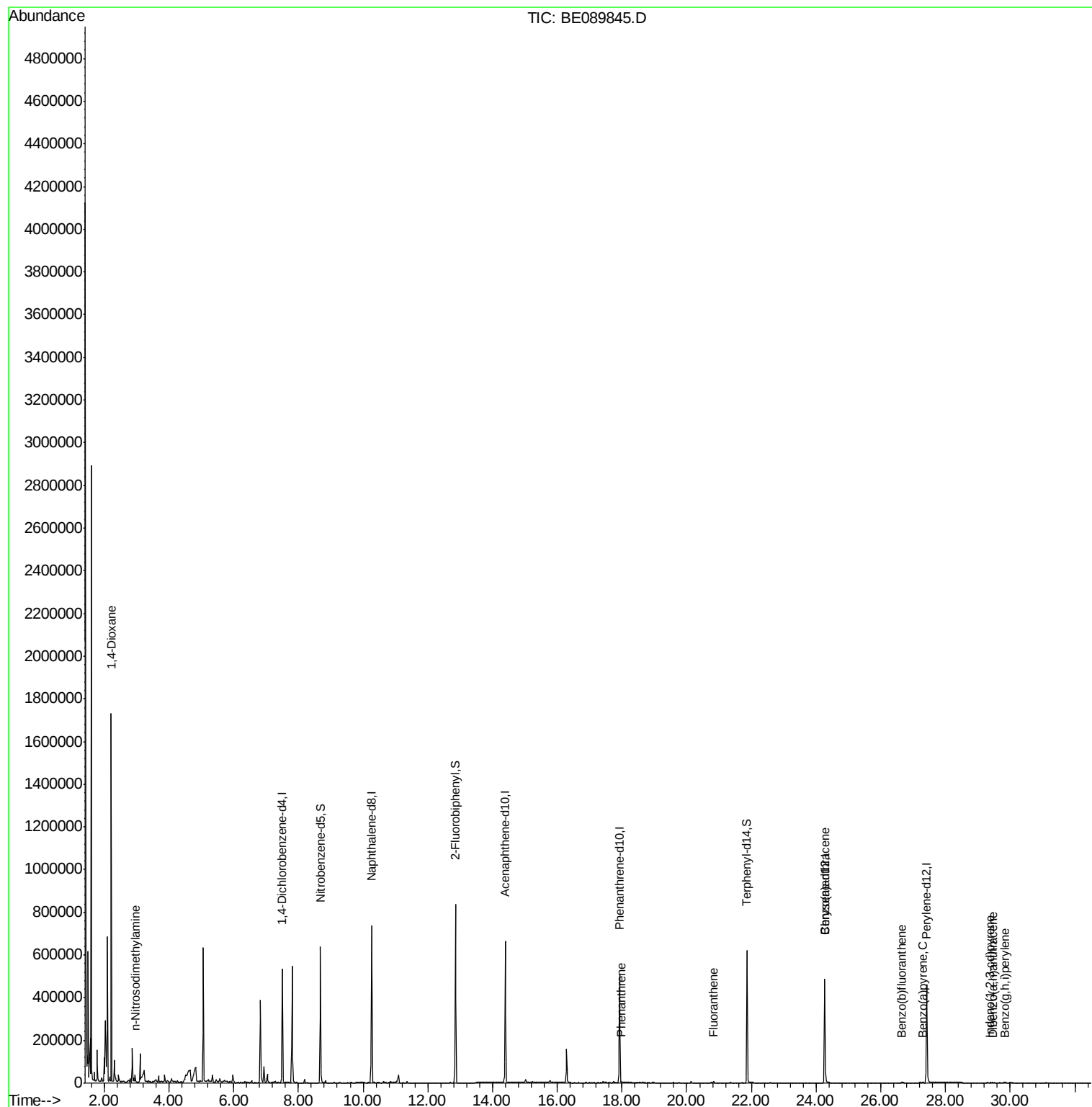
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.22	88	49498	1.69	ng	# 1
3) n-Nitrosodimethylamine	2.96	42	3362	0.08	ng	# 12
15) Pentachlorophenol	17.87	266	38	Below Cal		97
16) Phenanthrene	17.98	178	4720	0.03	ng	# 91
18) Fluoranthene	20.83	202	4059	0.03	ng	# 7
22) Benzo(a)anthracene	24.26	228	3031	0.03	ng	# 77
24) Indeno(1,2,3-cd)pyrene	29.39	276	811	0.43	ng	# 45
26) Benzo(b)fluoranthene	26.64	252	1869	0.33	ng	# 18
28) Benzo(a)pyrene	27.30	252	592	0.30	ng	# 1
29) Dibenzo(a,h)anthracene	29.45	278	296	0.26	ng	# 1
30) Benzo(g,h,i)perylene	29.84	276	1165	0.26	ng	# 33

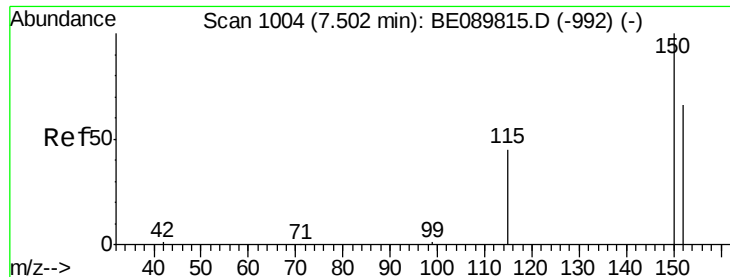
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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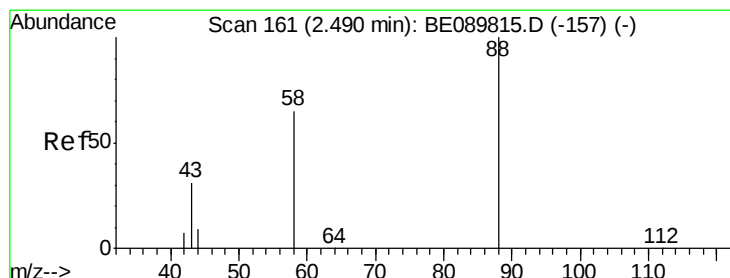
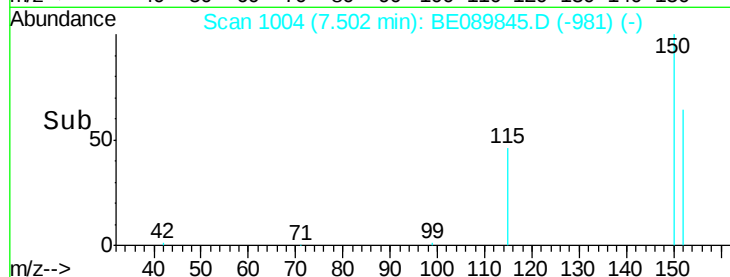
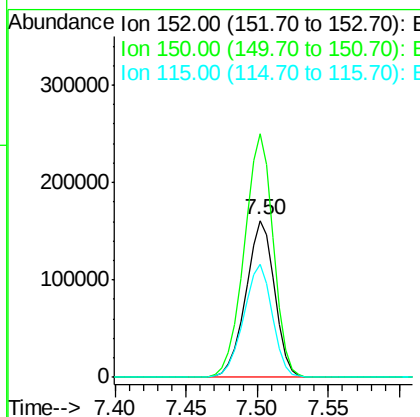
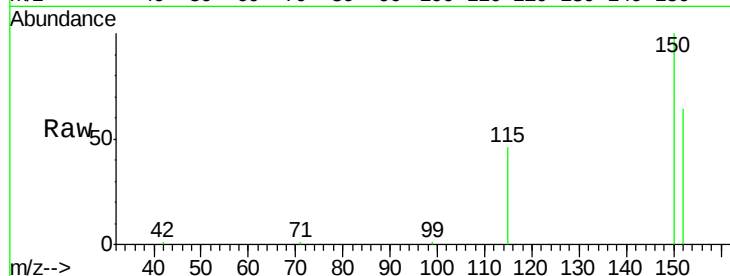




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089845.D
 Acq: 25 Mar 2015 20:09

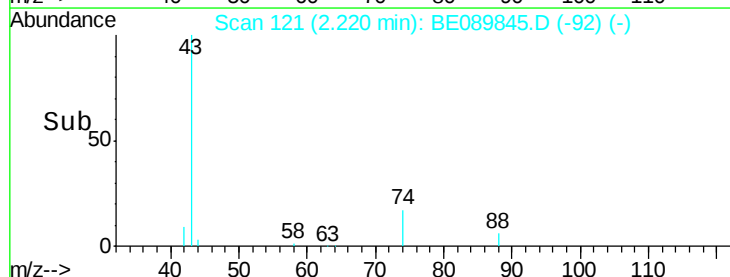
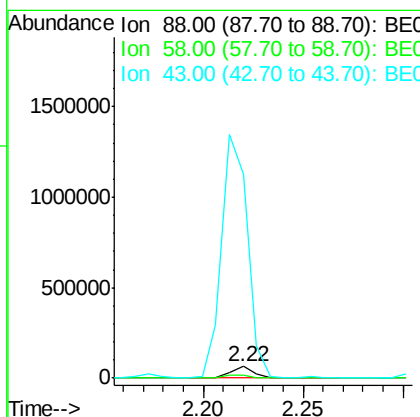
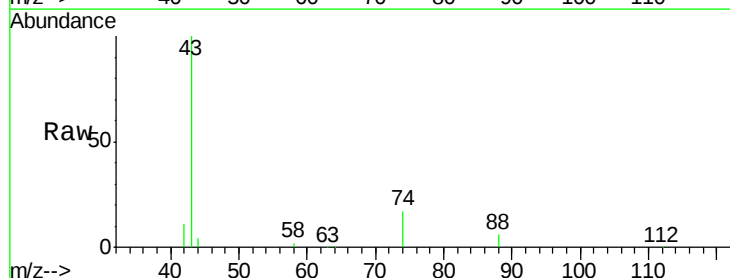
Instrument :
 BNA_E
 ClientSampleId :
 RW-9V

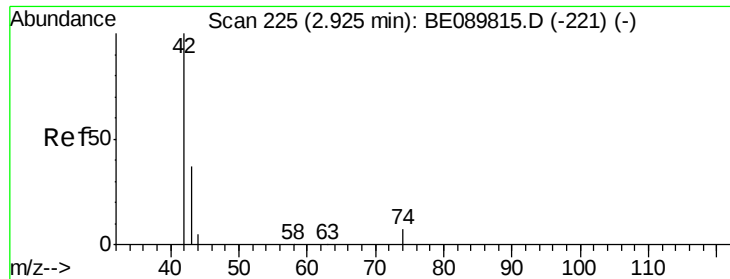
Tgt Ion:152 Resp: 227823
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.5 188.3
 115 72.2 58.0 87.0



#2
 1,4-Dioxane
 Concen: 1.69 ng
 RT: 2.22 min Scan# 121
 Delta R.T. -0.30 min
 Lab File: BE089845.D
 Acq: 25 Mar 2015 20:09

Tgt Ion: 88 Resp: 49498
 Ion Ratio Lower Upper
 88 100
 58 30.7 48.6 72.8#
 43 2424.7 28.6 43.0#





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 2.96 min Scan# 230

Delta R.T. -0.03 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

Instrument :

BNA_E

ClientSampleId :

RW-9V

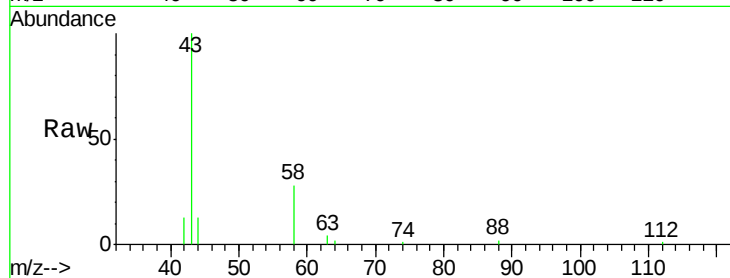
Tgt Ion: 42 Resp: 3362

Ion Ratio Lower Upper

42 100

74 0.0 68.7 103.1#

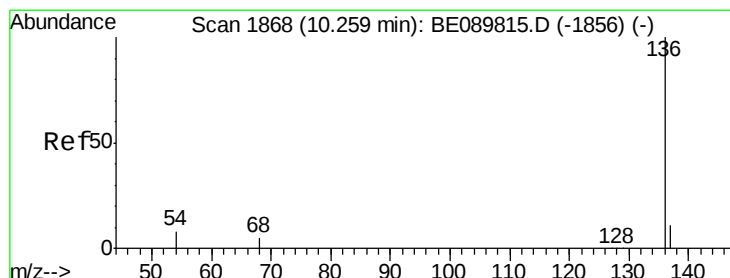
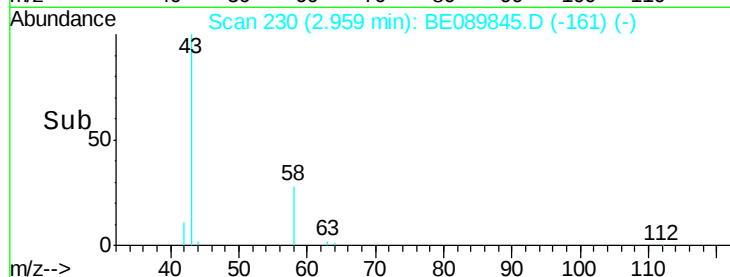
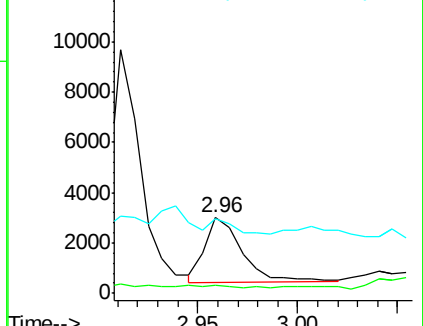
44 0.0 6.2 9.4#



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: BE089845.D

Acq: 25 Mar 2015 20:09

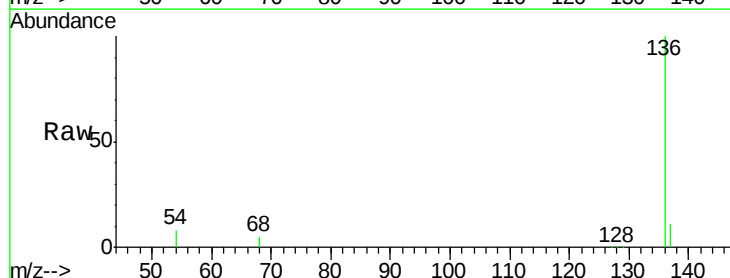
Tgt Ion: 136 Resp: 901077

Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

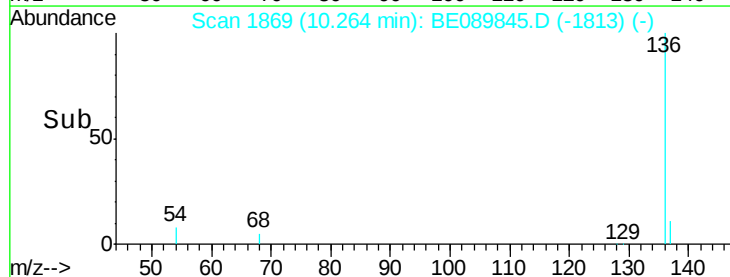
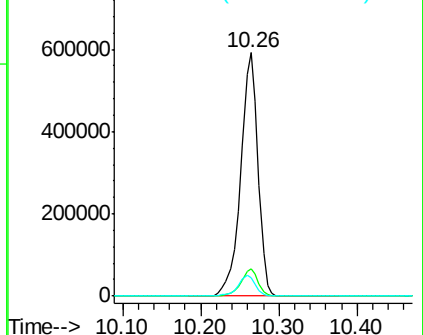
54 7.8 7.0 10.4

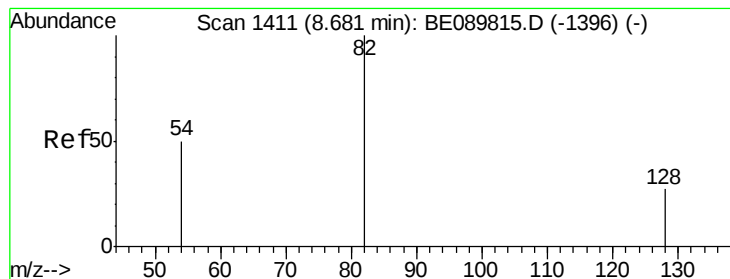


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 7.76 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

Instrument :

BNA_E

ClientSampleId :

RW-9V

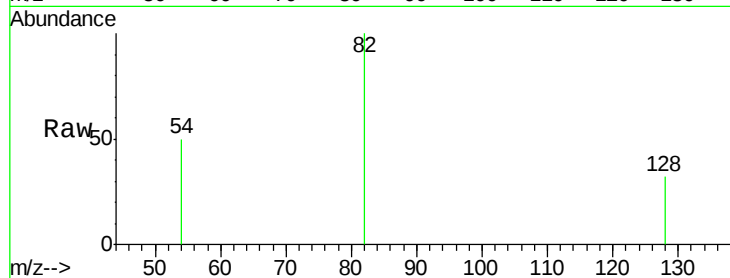
Tgt Ion: 82 Resp: 508753

Ion Ratio Lower Upper

82 100

128 31.8 24.6 37.0

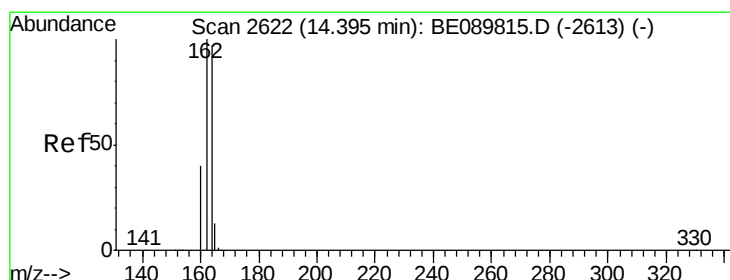
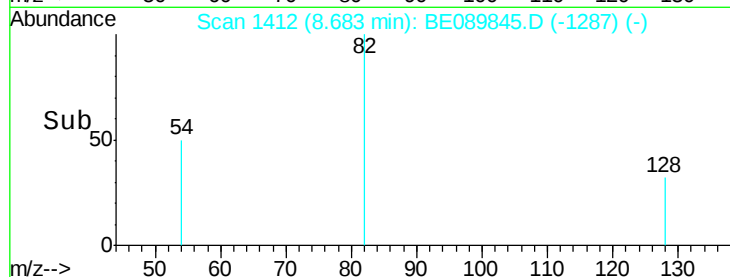
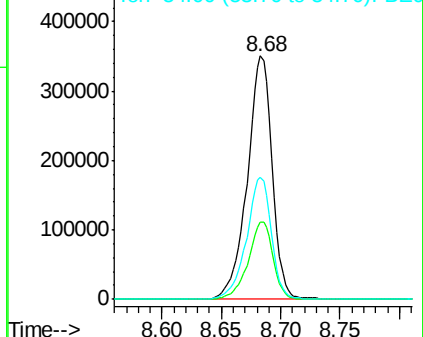
54 50.4 43.0 64.6



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: 14.39 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

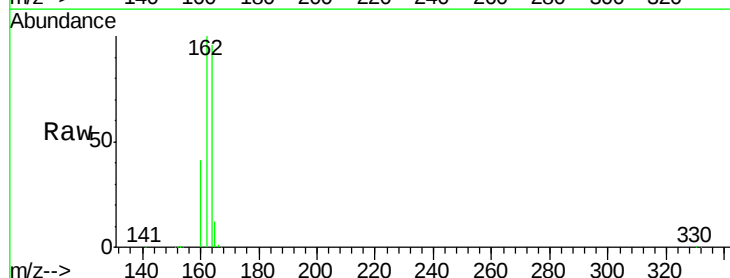
Tgt Ion: 164 Resp: 386624

Ion Ratio Lower Upper

164 100

162 104.0 87.6 131.4

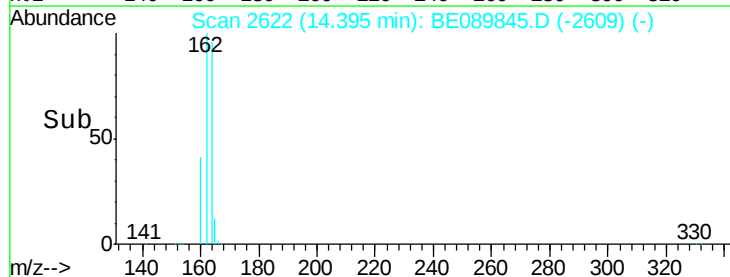
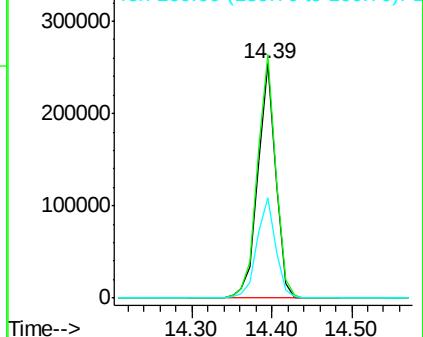
160 42.8 36.7 55.1

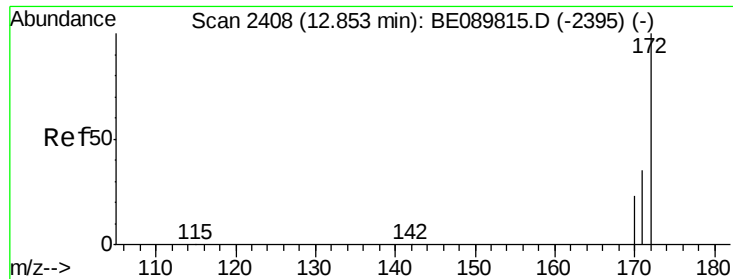


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 8.63 ng

RT: 12.86 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

Instrument :

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ClientSampleId :

RW-9V

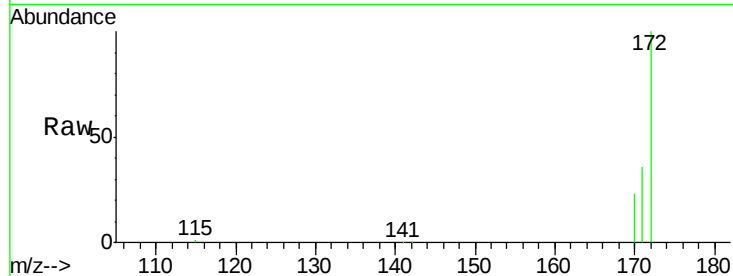
Tgt Ion:172 Resp: 781035

Ion Ratio Lower Upper

172 100

171 36.2 30.8 46.2

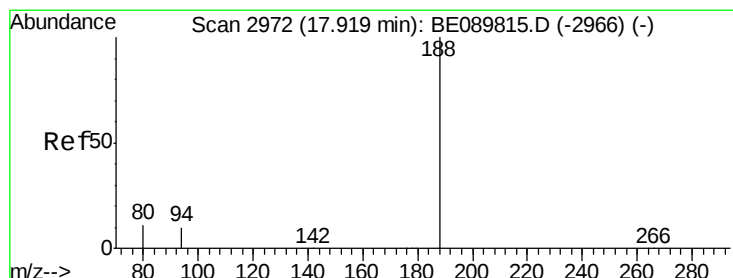
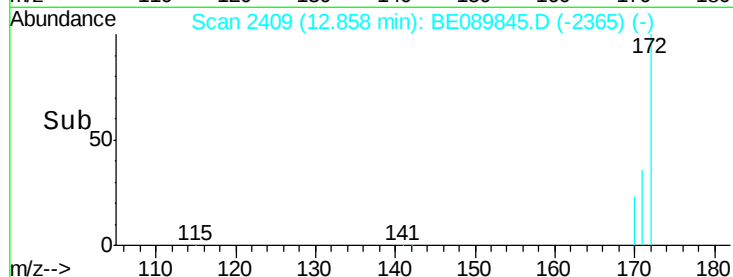
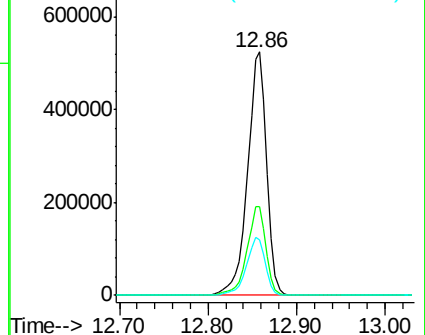
170 22.9 21.0 31.4



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# 2973

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

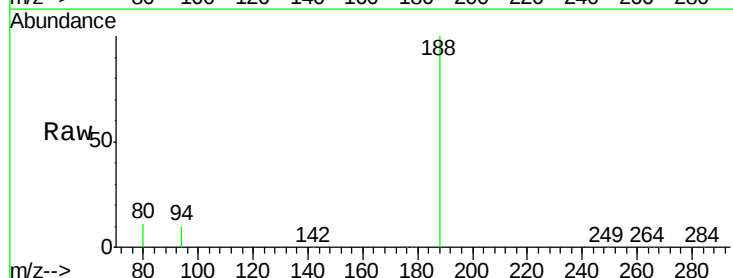
Tgt Ion:188 Resp: 653967

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

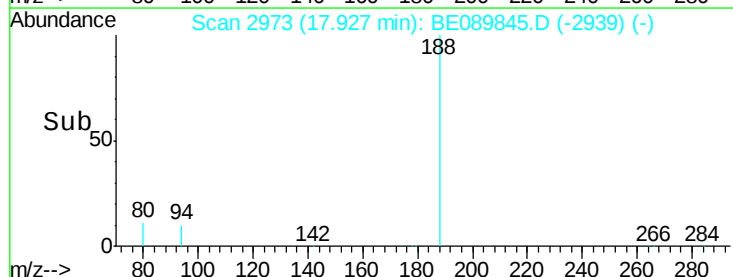
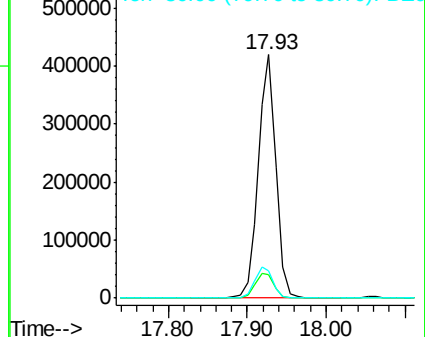
80 11.1 10.0 15.0

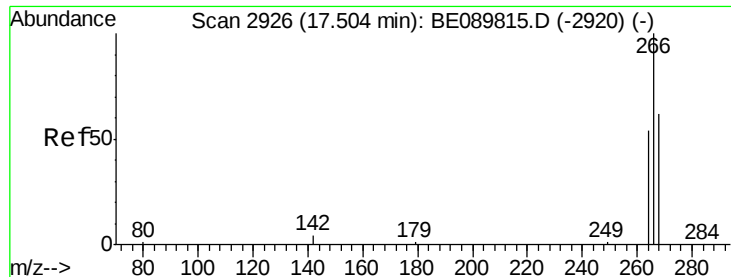


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#15

Pentachlorophenol

Concen: Below Cal

RT: 17.87 min Scan# 2967

Delta R.T. 0.37 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

Instrument :

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ClientSampleId :

RW-9V

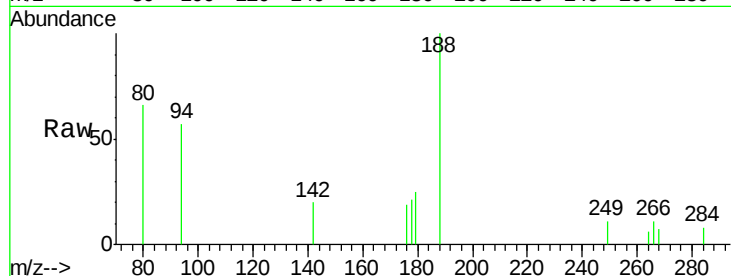
Tgt Ion:266 Resp: 38

Ion Ratio Lower Upper

266 100

268 64.6 51.6 77.4

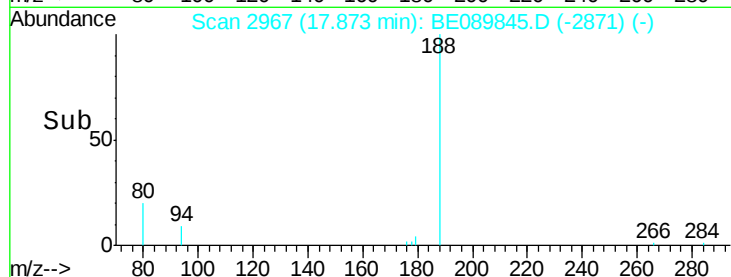
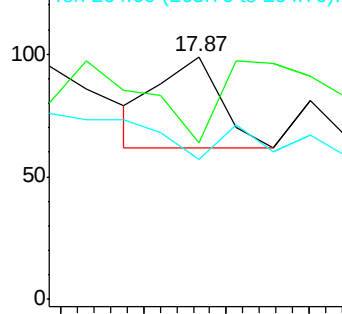
264 57.6 50.2 75.2



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



#16

Phenanthrene

Concen: 0.03 ng

RT: 17.98 min Scan# 2979

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

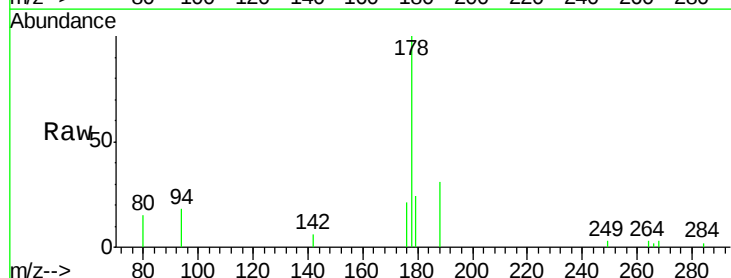
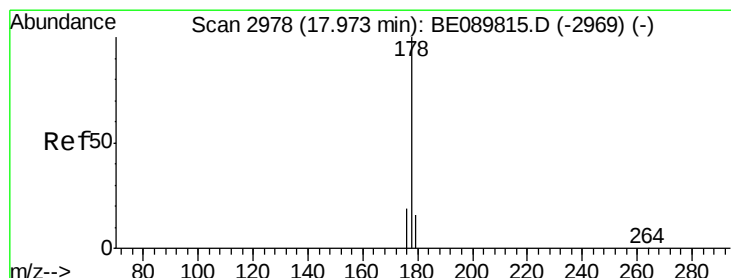
Tgt Ion:178 Resp: 4720

Ion Ratio Lower Upper

178 100

176 25.0 15.4 23.0#

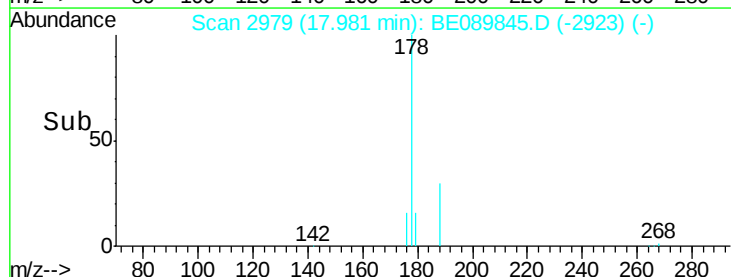
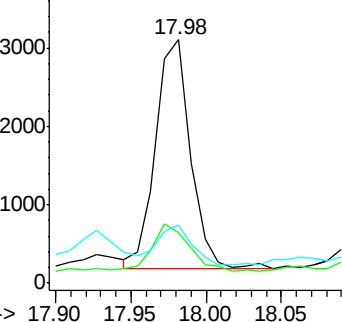
179 16.8 12.2 18.4

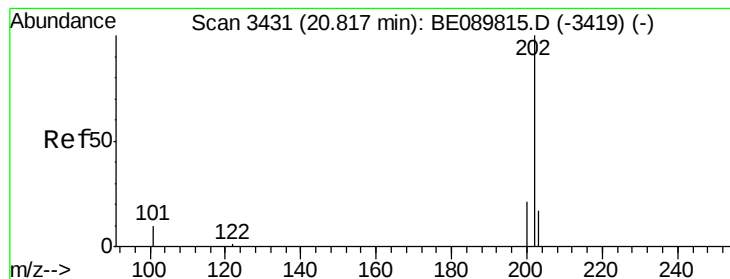


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#18

Fluoranthene

Concen: 0.03 ng

RT: 20.83 min Scan# 3433

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

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RW-9V

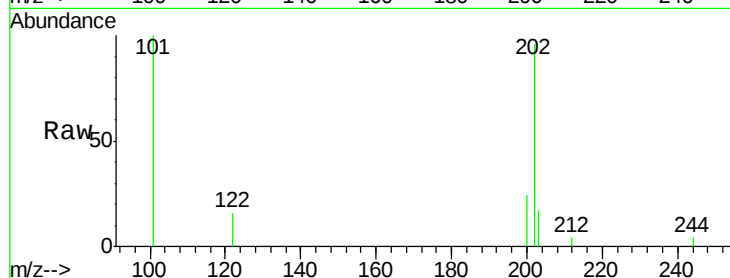
Tgt Ion:202 Resp: 4059

Ion Ratio Lower Upper

202 100

101 102.6 8.2 12.2#

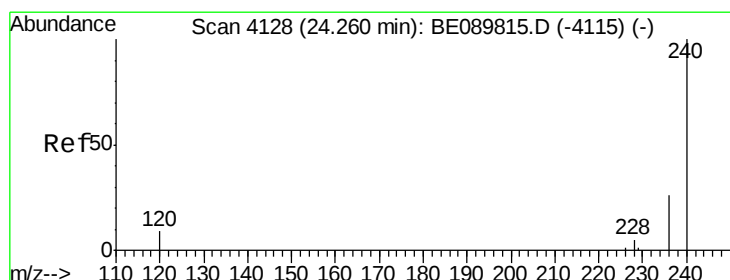
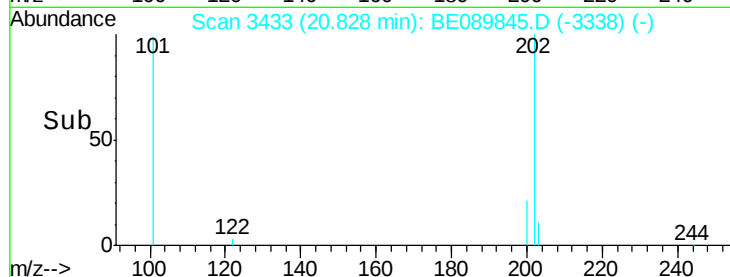
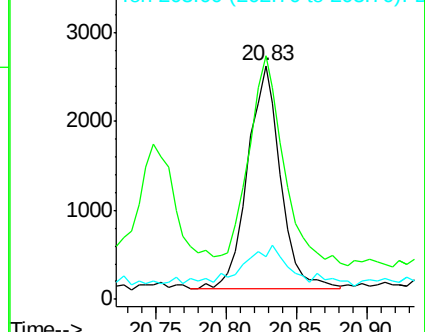
203 19.3 14.2 21.4



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# 4130

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

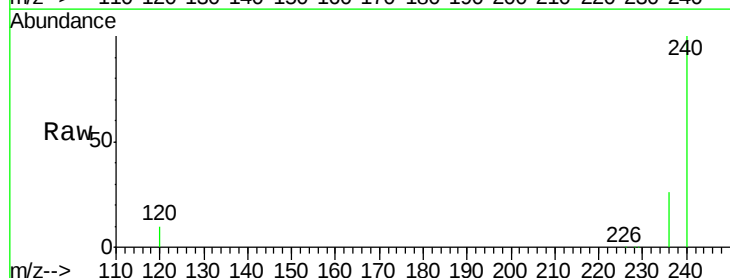
Tgt Ion:240 Resp: 628367

Ion Ratio Lower Upper

240 100

120 9.7 7.5 11.3

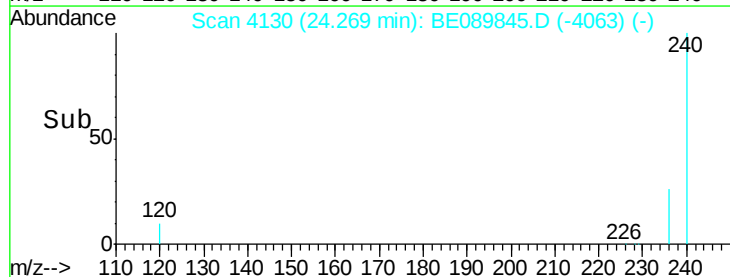
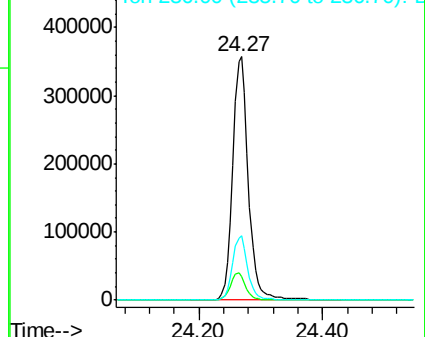
236 26.2 20.5 30.7

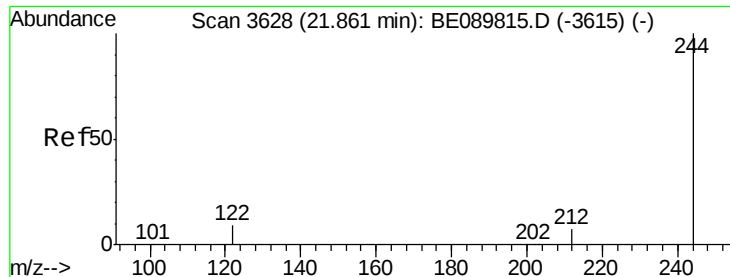


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Terphenyl-d14

Concen: 9.22 ng

RT: 21.87 min Scan# 3629

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

Instrument :

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ClientSampleId :

RW-9V

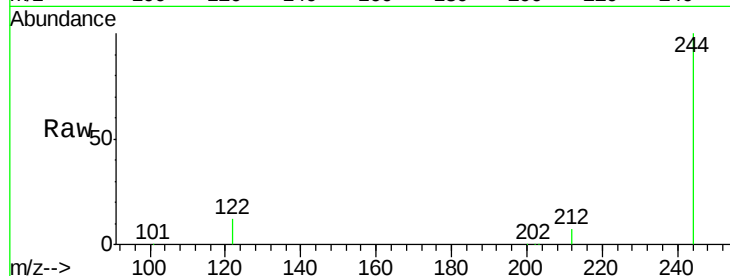
Tgt Ion:244 Resp: 854932

Ion Ratio Lower Upper

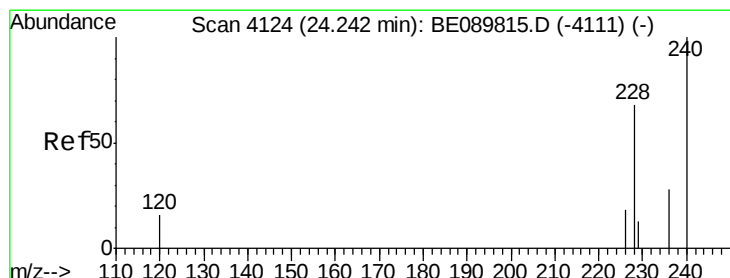
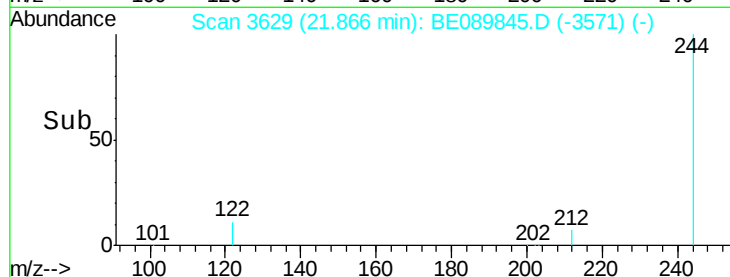
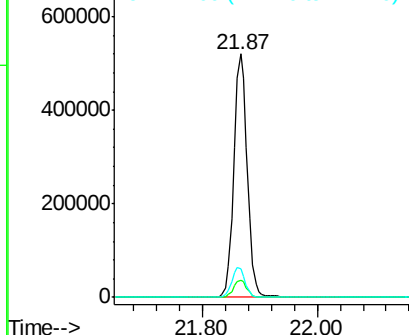
244 100

212 7.2 7.3 10.9#

122 11.6 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



#22

Benzo(a)anthracene

Concen: 0.03 ng

RT: 24.26 min Scan# 4129

Delta R.T. 0.02 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

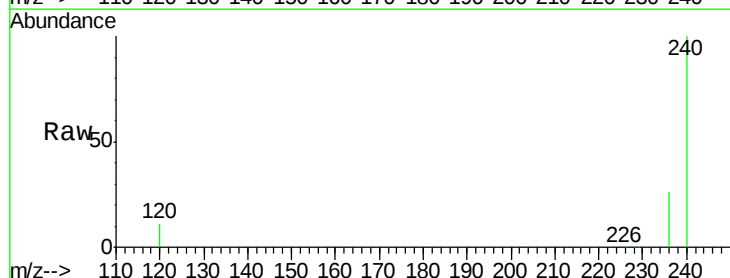
Tgt Ion:228 Resp: 3031

Ion Ratio Lower Upper

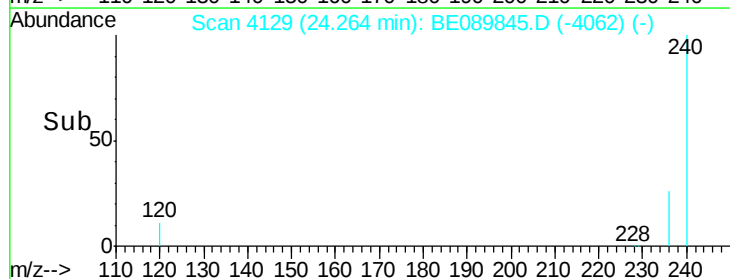
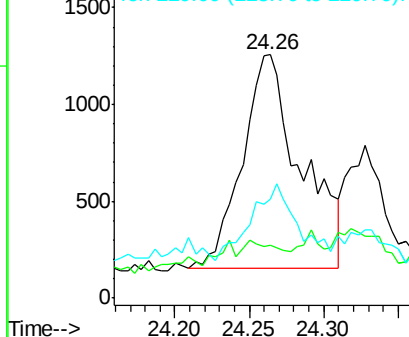
228 100

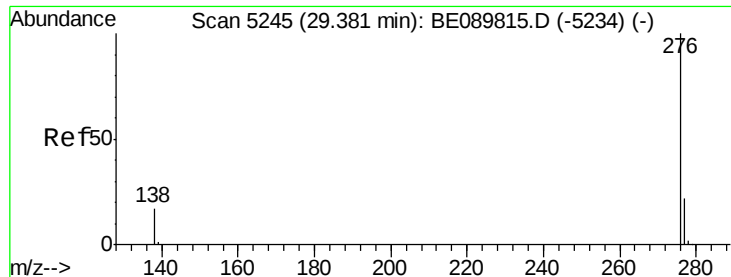
226 21.8 19.8 29.8

229 40.6 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





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.43 ng

RT: 29.39 min Scan# 5247

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

Instrument :

BNA_E

ClientSampleId :

RW-9V

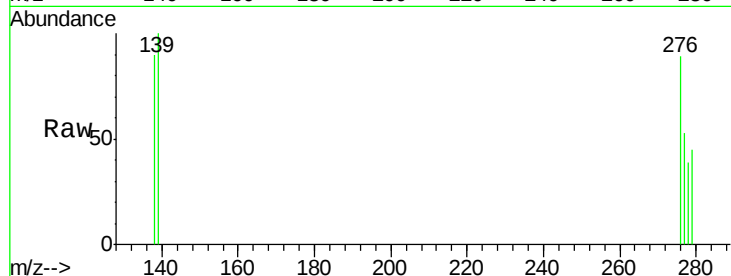
Tgt Ion: 276 Resp: 811

Ion Ratio Lower Upper

276 100

138 14.2 4.3 6.5#

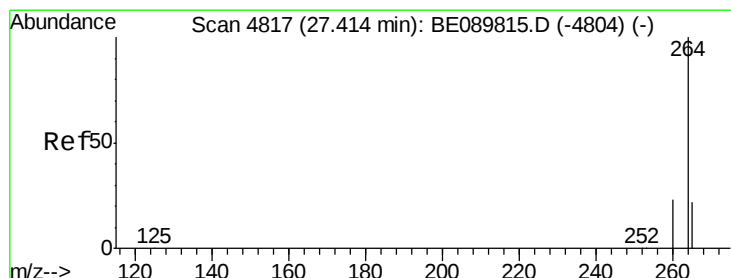
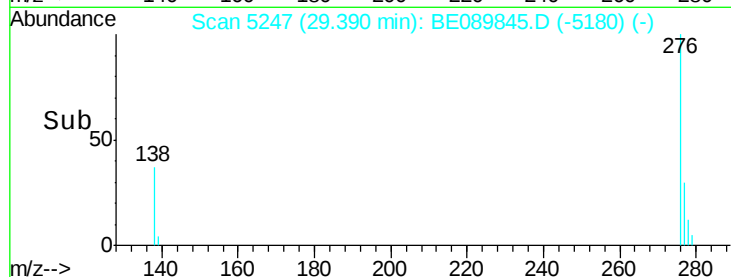
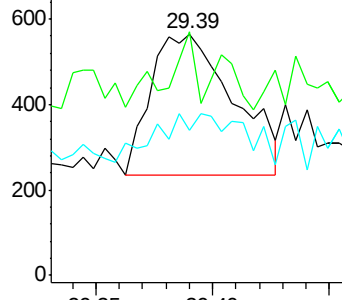
277 37.4 9.0 13.4#



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: 27.42 min Scan# 4818

Delta R.T. 0.00 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

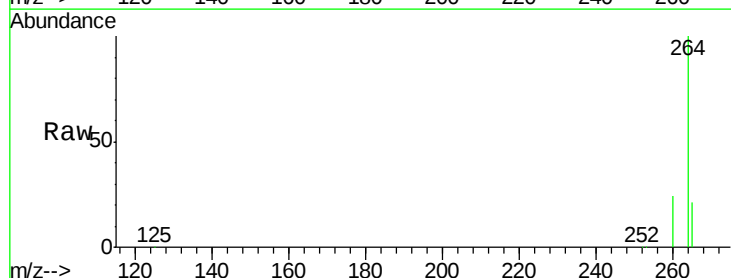
Tgt Ion: 264 Resp: 582910

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

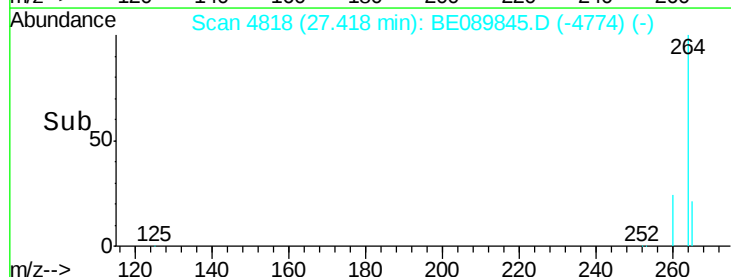
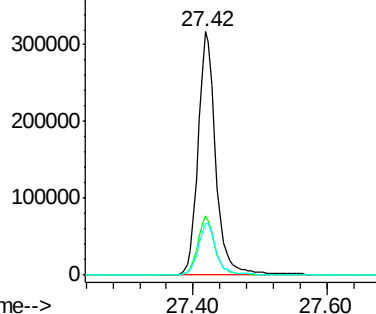
265 21.3 17.3 25.9

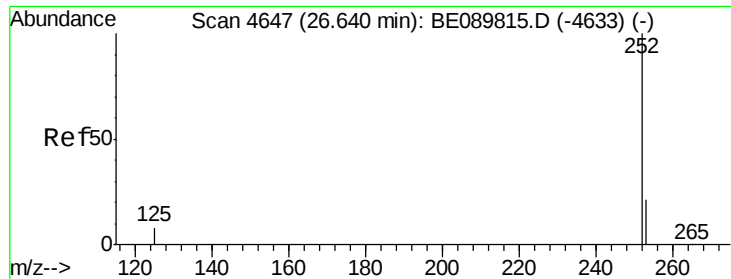


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#26

Benzo(b)fluoranthene

Concen: 0.33 ng

RT: 26.64 min Scan# 4648

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

Instrument :

BNA_E

ClientSampleId :

RW-9V

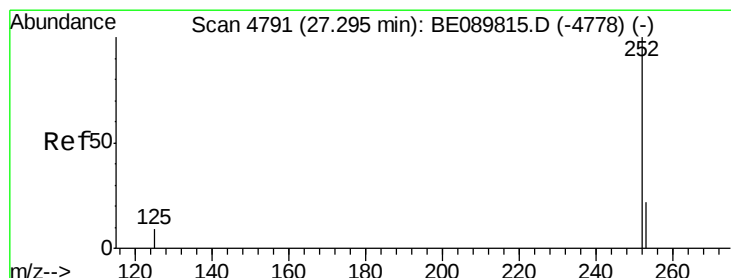
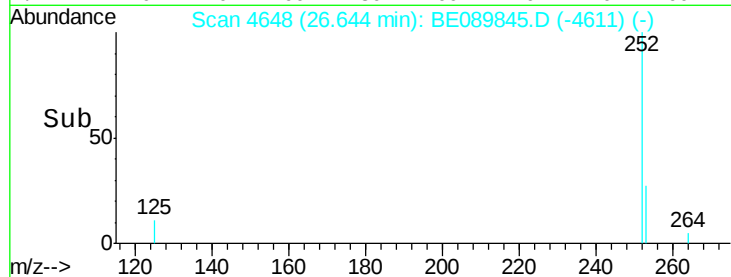
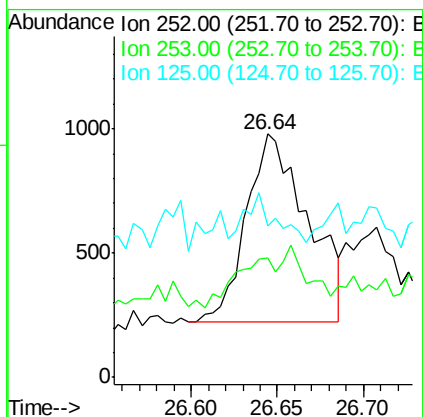
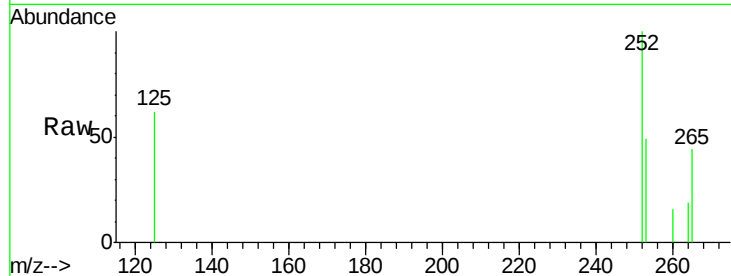
Tgt Ion:252 Resp: 1869

Ion Ratio Lower Upper

252 100

253 48.9 17.8 26.6#

125 62.3 8.7 13.1#



#28

Benzo(a)pyrene

Concen: 0.30 ng

RT: 27.30 min Scan# 4792

Delta R.T. -0.00 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

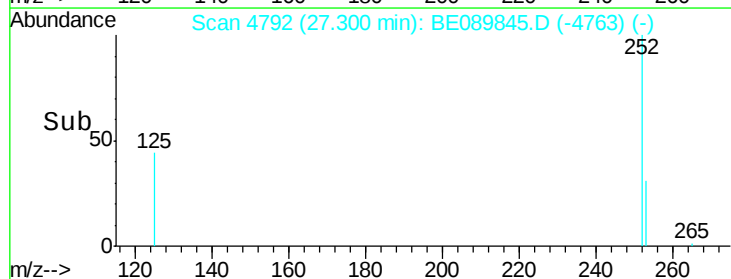
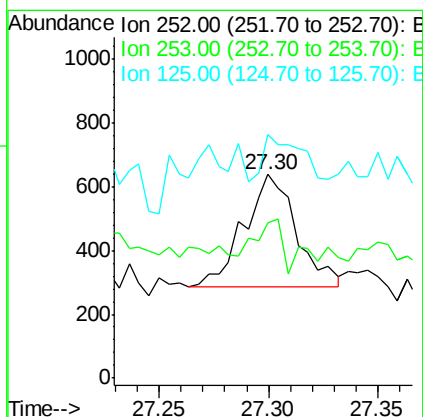
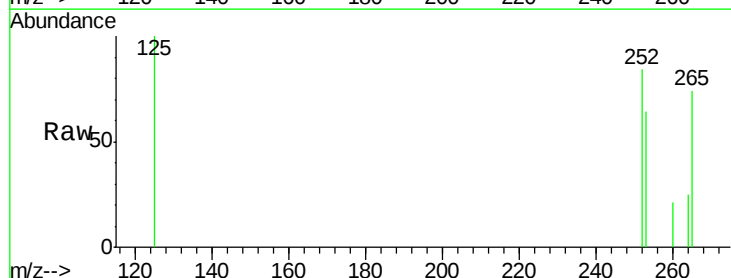
Tgt Ion:252 Resp: 592

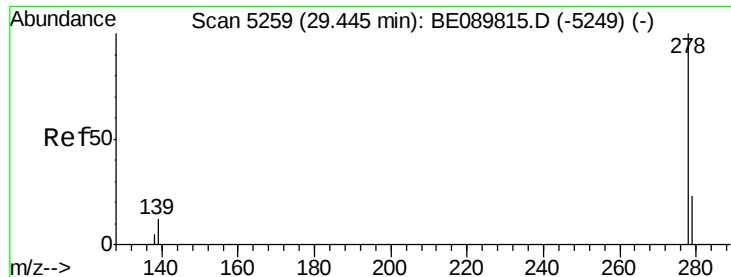
Ion Ratio Lower Upper

252 100

253 76.2 21.0 31.4#

125 119.6 13.3 19.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 29.45 min Scan# 5260

Delta R.T. 0.01 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

Instrument :

BNA_E

ClientSampleId :

RW-9V

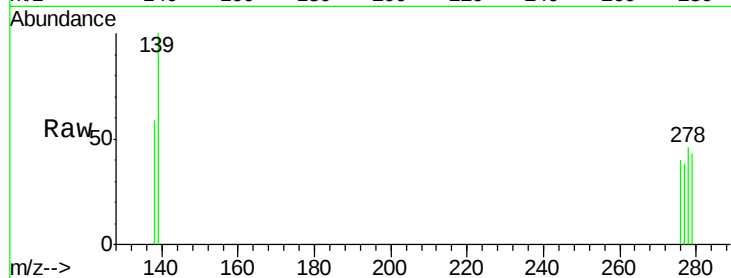
Tgt Ion: 278 Resp: 296

Ion Ratio Lower Upper

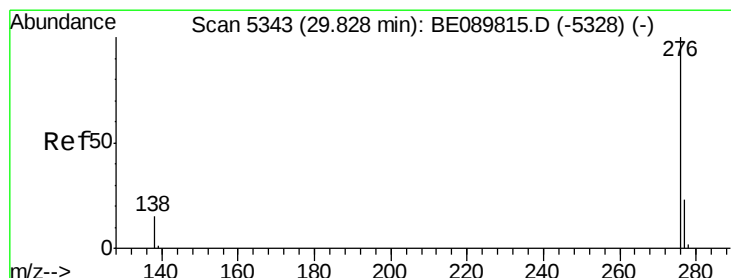
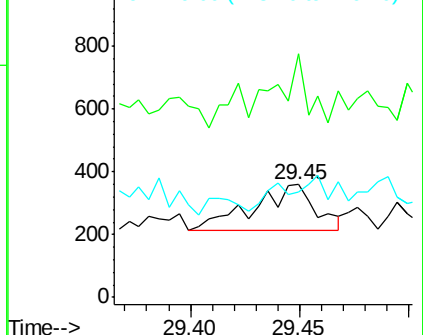
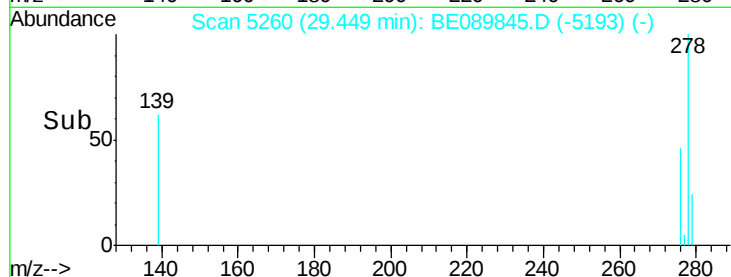
278 100

139 215.6 20.0 30.0#

279 93.3 28.9 43.3#



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: 0.26 ng

RT: 29.84 min Scan# 5346

Delta R.T. 0.02 min

Lab File: BE089845.D

Acq: 25 Mar 2015 20:09

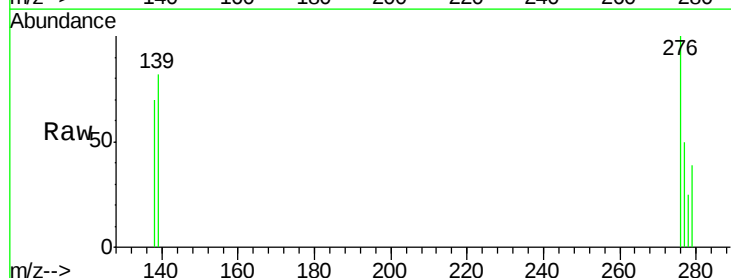
Tgt Ion: 276 Resp: 1165

Ion Ratio Lower Upper

276 100

277 50.3 19.2 28.8#

138 69.8 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

