

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089842.D
 Acq On : 25 Mar 2015 18:06
 Operator : TP/JJ
 Sample : G1575-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RW-10V

Quant Time: Mar 26 03:27:09 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	221700	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	879438	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	383853	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	649601	5.00	ng	0.00
19) Chrysene-d12	24.26	240	590912	5.00	ng	0.00
25) Perylene-d12	27.42	264	544034	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	537039	8.37	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	814508	9.07	ng	0.00
21) Terphenyl-d14	21.87	244	836545	9.60	ng	0.00

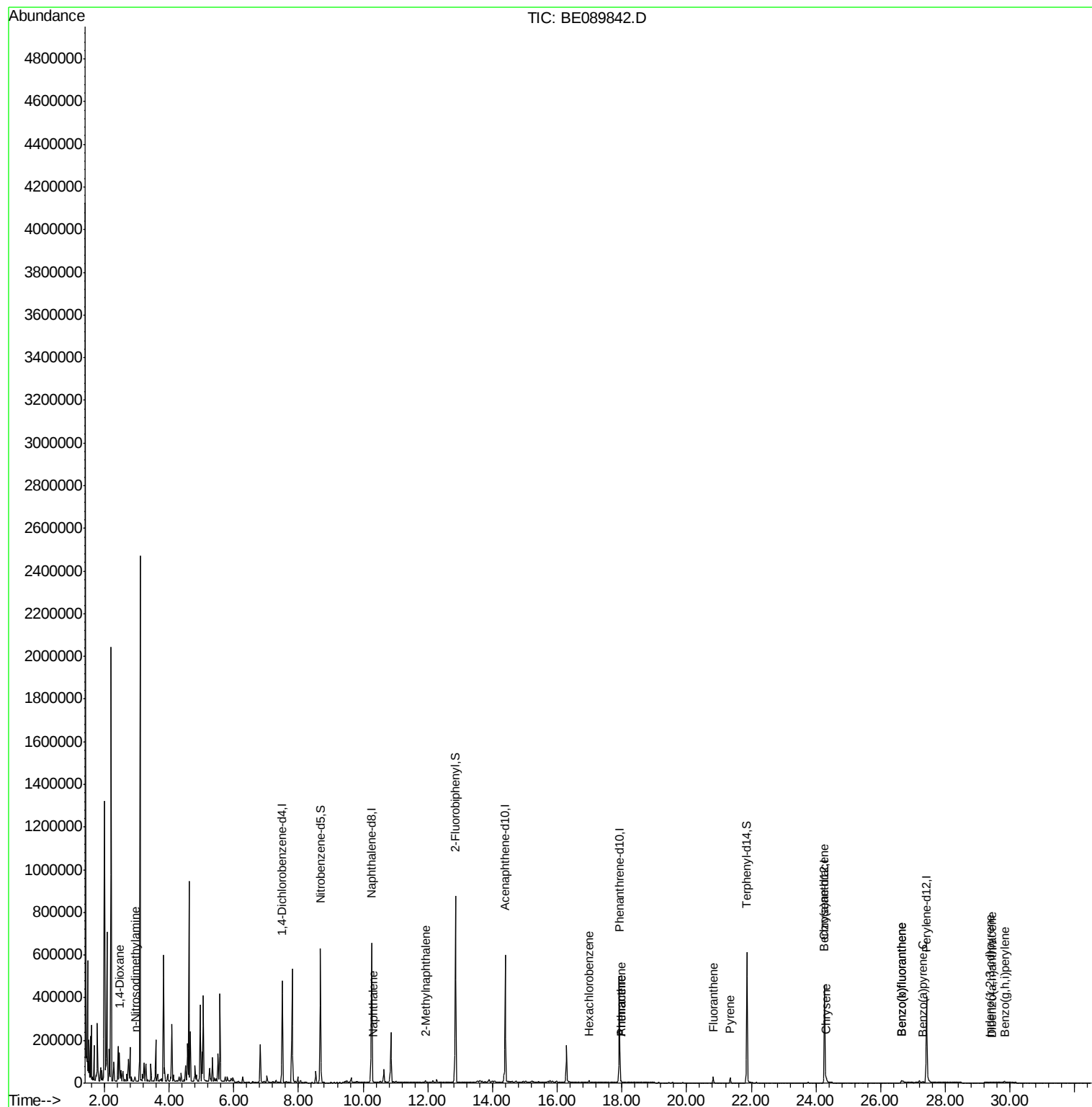
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.46	88	3577	0.12	ng	# 1
3) n-Nitrosodimethylamine	2.96	42	1939	0.05	ng	# 12
6) Naphthalene	10.31	128	3763	0.02	ng	# 35
7) 2-Methylnaphthalene	11.94	142	6868	0.07	ng	# 90
14) Hexachlorobenzene	16.98	284	7195	0.33	ng	98
15) Pentachlorophenol	17.50	266	518	Below Cal		93
16) Phenanthrene	17.97	178	11516	0.08	ng	99
17) Anthracene	17.97	178	11516	0.09	ng	99
18) Fluoranthene	20.82	202	31371	0.24	ng	99
20) Pyrene	21.35	202	26547	0.18	ng	# 95
22) Benzo(a)anthracene	24.25	228	11909	0.11	ng	# 93
23) Chrysene	24.32	228	21502	0.18	ng	95
24) Indeno(1,2,3-cd)pyrene	29.38	276	10017	0.50	ng	# 80
26) Benzo(b)fluoranthene	26.65	252	21532	0.49	ng	# 89
27) Benzo(k)fluoranthene	26.65	252	21532	0.19	ng	# 93
28) Benzo(a)pyrene	27.30	252	10529	0.39	ng	# 84
29) Dibenzo(a,h)anthracene	29.44	278	851	0.27	ng	# 25
30) Benzo(g,h,i)perylene	29.83	276	13021	0.36	ng	97

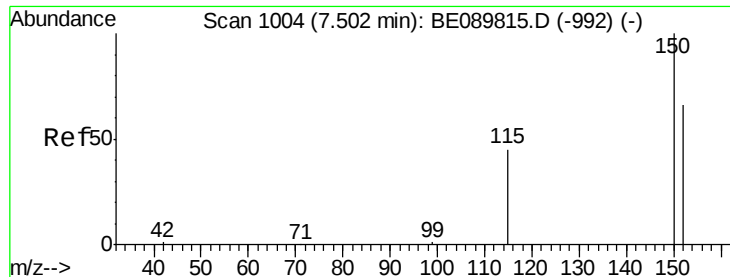
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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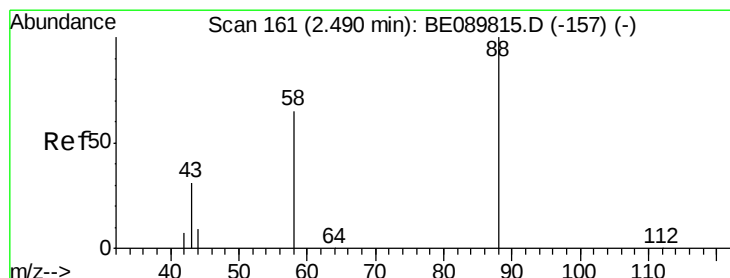
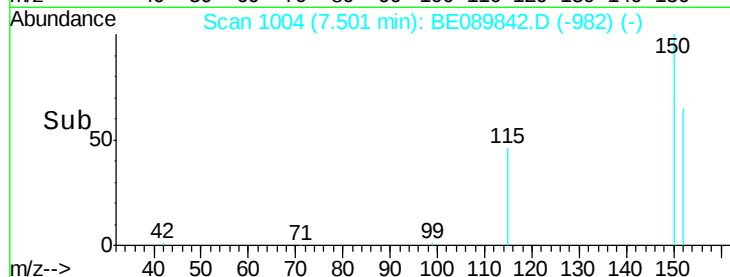
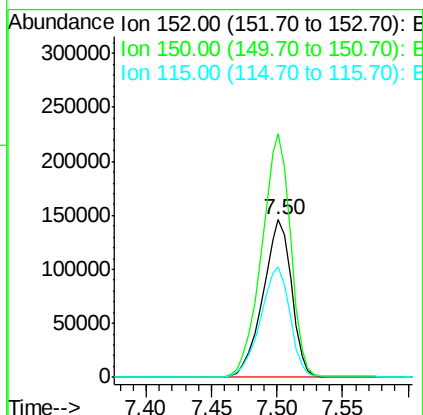
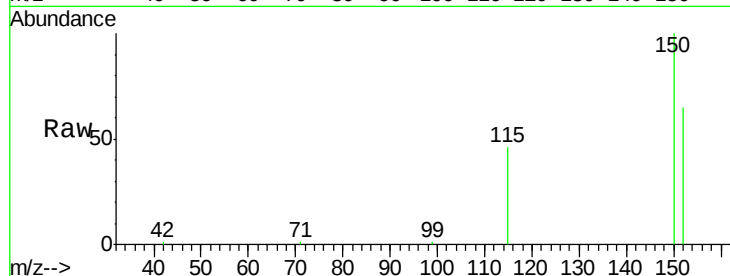




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089842.D
 Acq: 25 Mar 2015 18:06

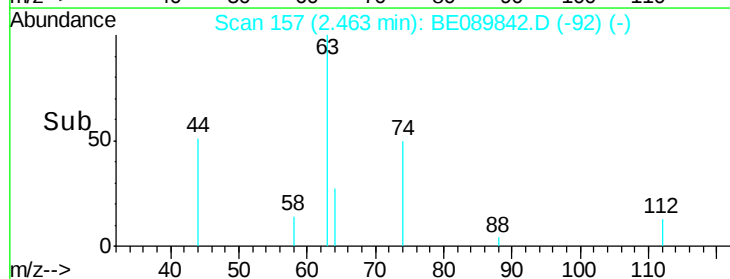
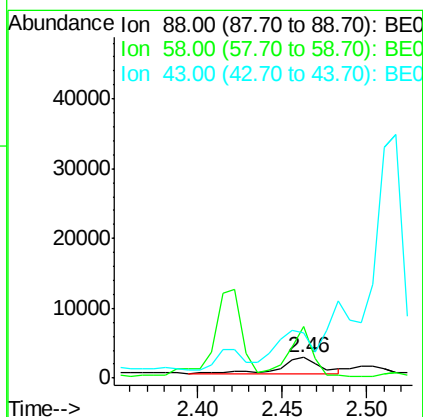
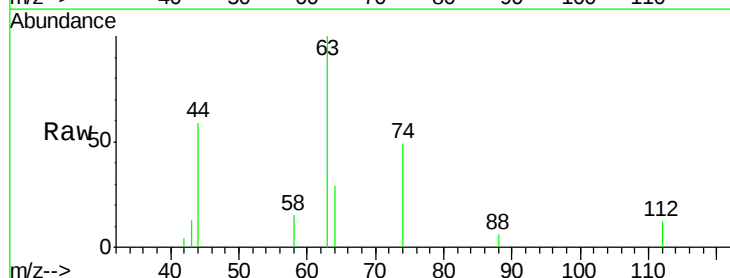
Instrument :
 BNA_E
 ClientSampled :
 RW-10V

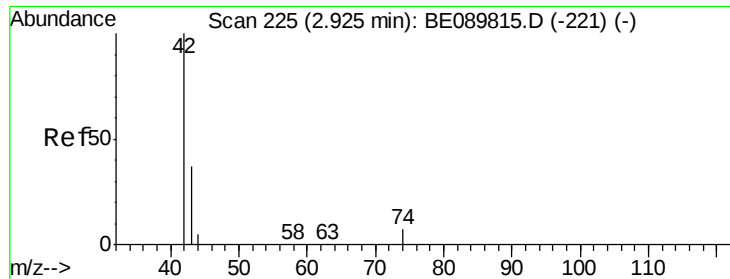
Tgt Ion:152 Resp: 221700
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.5 188.3
 115 70.5 58.0 87.0



#2
 1,4-Dioxane
 Concen: 0.12 ng
 RT: 2.46 min Scan# 157
 Delta R.T. -0.06 min
 Lab File: BE089842.D
 Acq: 25 Mar 2015 18:06

Tgt Ion: 88 Resp: 3577
 Ion Ratio Lower Upper
 88 100
 58 190.1 48.6 72.8#
 43 0.0 28.6 43.0#





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 2.96 min Scan# 230

Delta R.T. -0.03 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

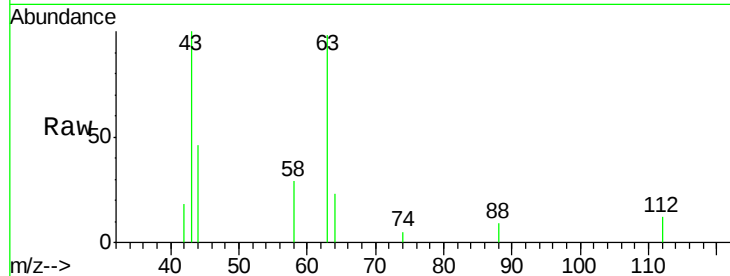
Tgt Ion: 42 Resp: 1939

Ion Ratio Lower Upper

42 100

74 0.0 68.7 103.1#

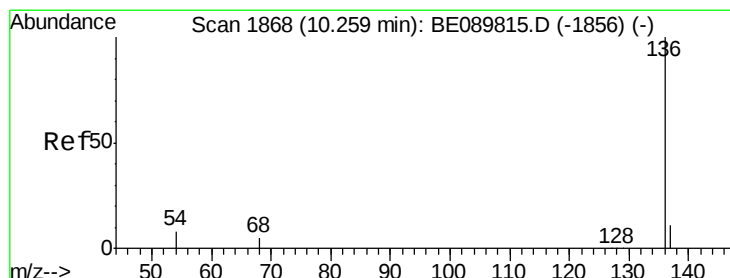
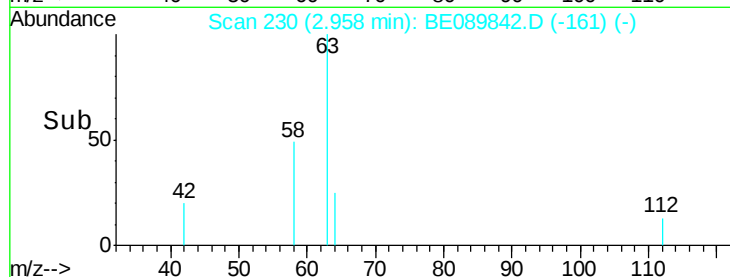
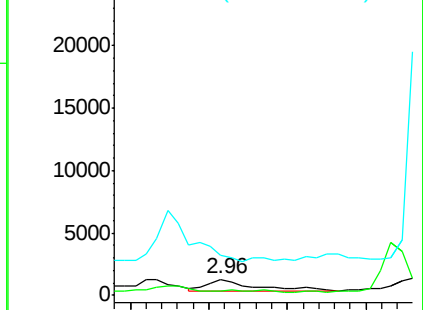
44 0.0 6.2 9.4#



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: BE089842.D

Acq: 25 Mar 2015 18:06

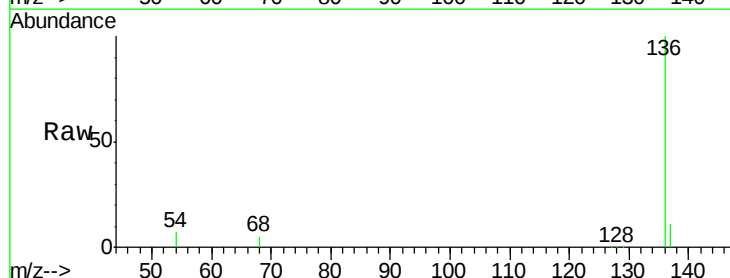
Tgt Ion: 136 Resp: 879438

Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

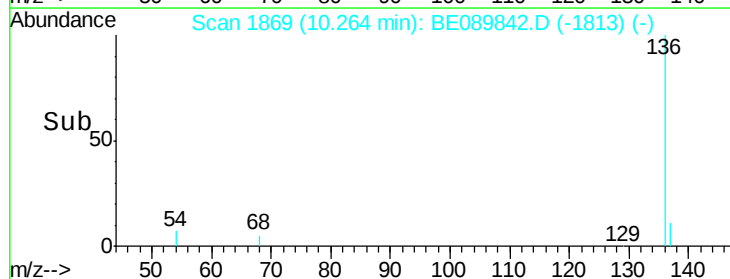
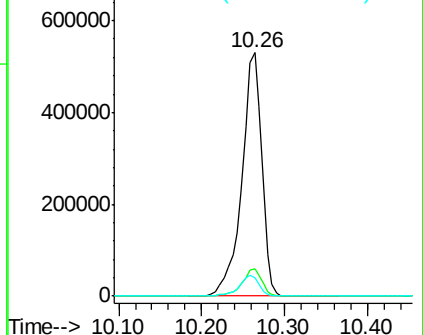
54 7.4 7.0 10.4

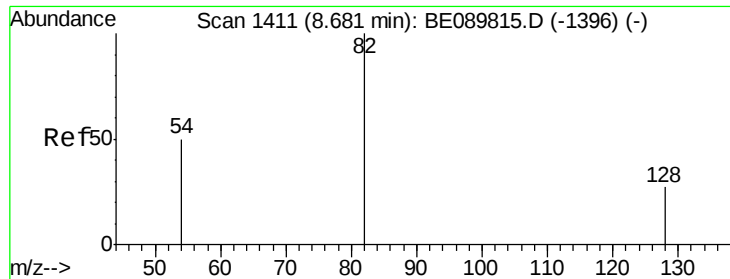


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 8.37 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

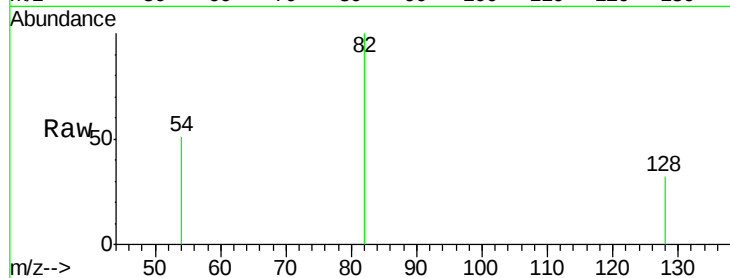
Tgt Ion: 82 Resp: 537039

Ion Ratio Lower Upper

82 100

128 31.7 24.6 37.0

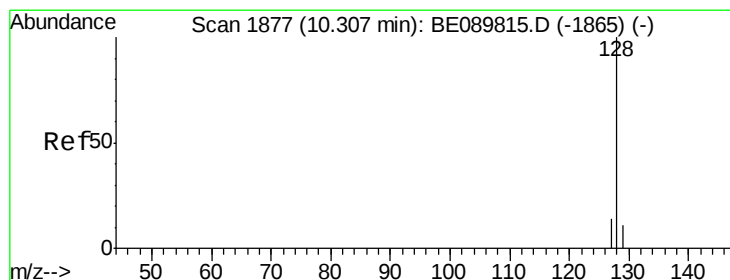
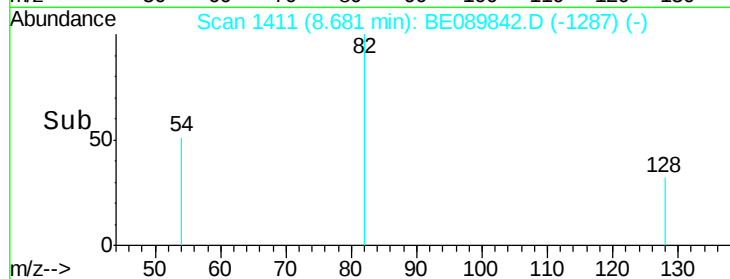
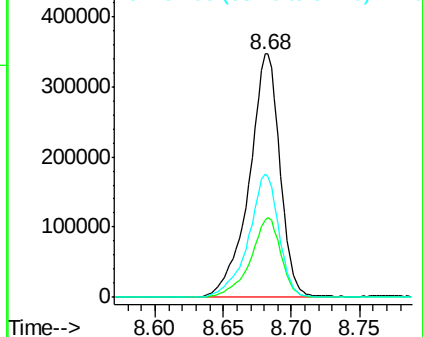
54 50.6 43.0 64.6



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



#6

Naphthalene

Concen: 0.02 ng

RT: 10.31 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

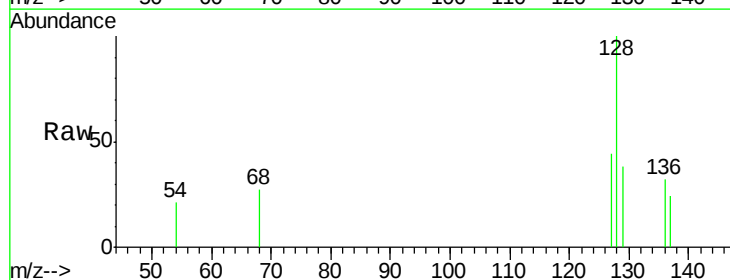
Tgt Ion: 128 Resp: 3763

Ion Ratio Lower Upper

128 100

129 37.6 10.0 15.0#

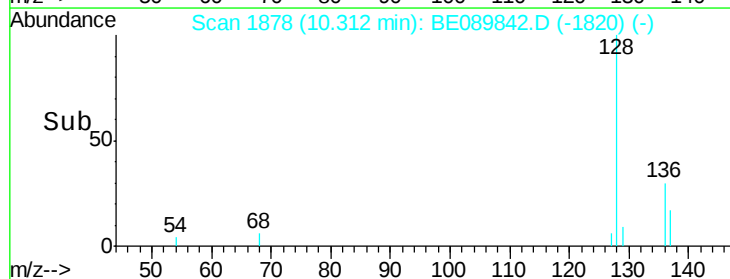
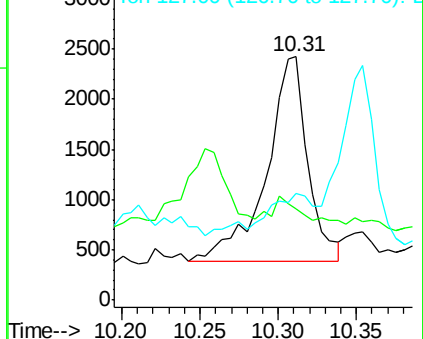
127 43.6 12.5 18.7#

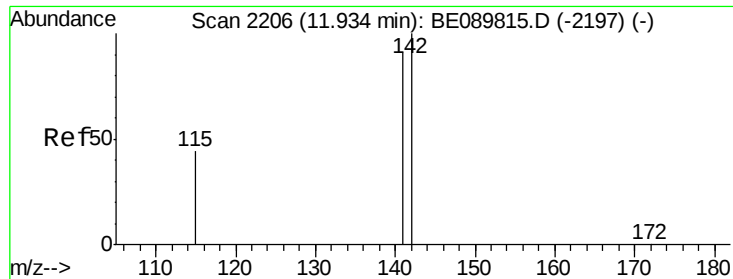


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.07 ng

RT: 11.94 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

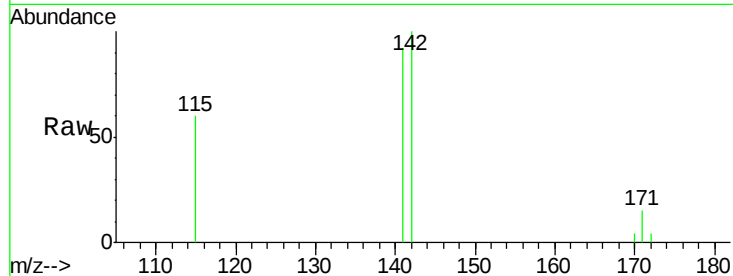
Tgt Ion:142 Resp: 6868

Ion Ratio Lower Upper

142 100

141 91.8 72.8 109.2

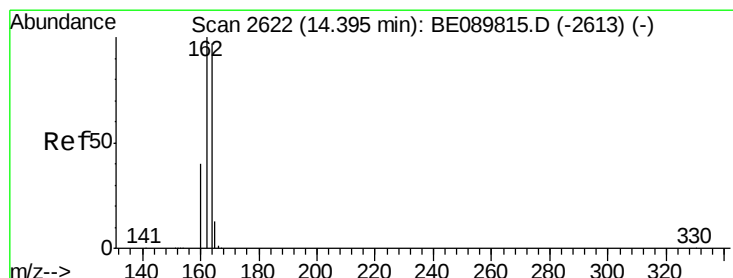
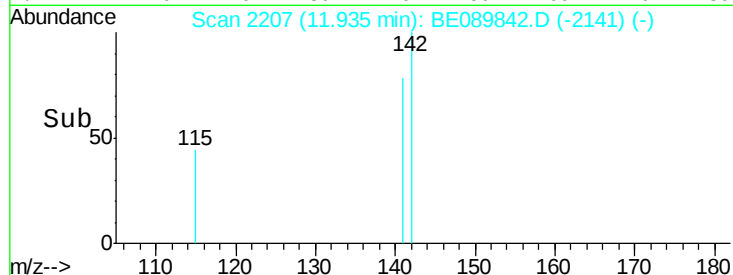
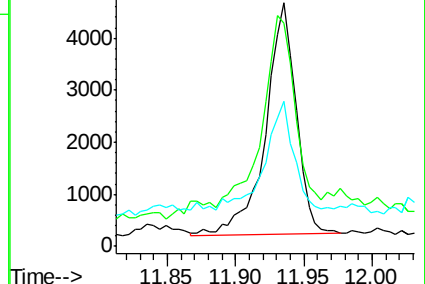
115 59.6 32.9 49.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

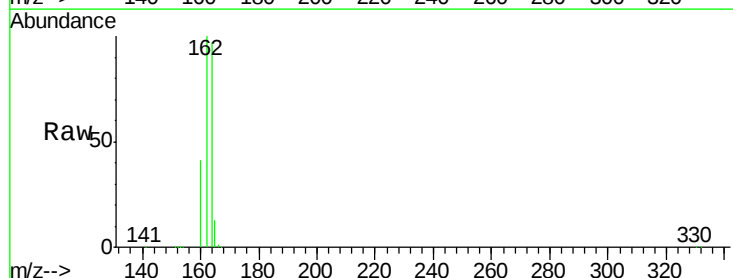
Tgt Ion:164 Resp: 383853

Ion Ratio Lower Upper

164 100

162 103.5 87.6 131.4

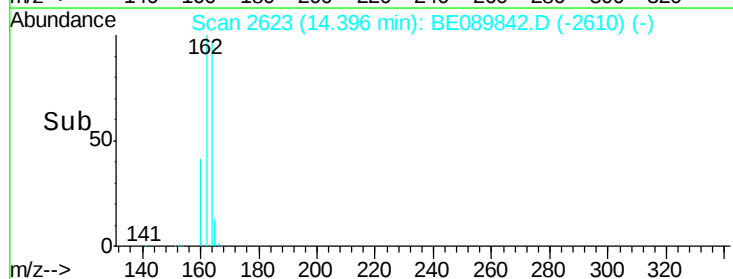
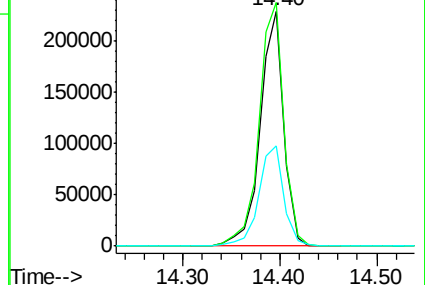
160 42.5 36.7 55.1

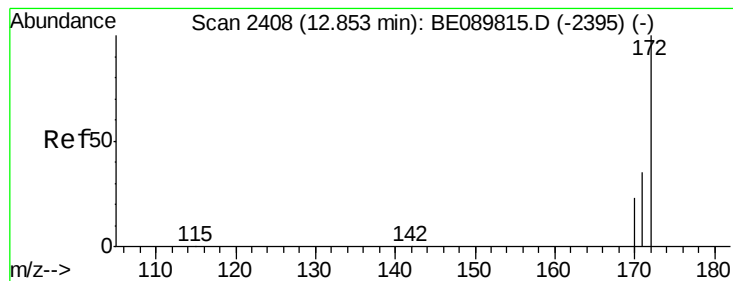


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 9.07 ng

RT: 12.85 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

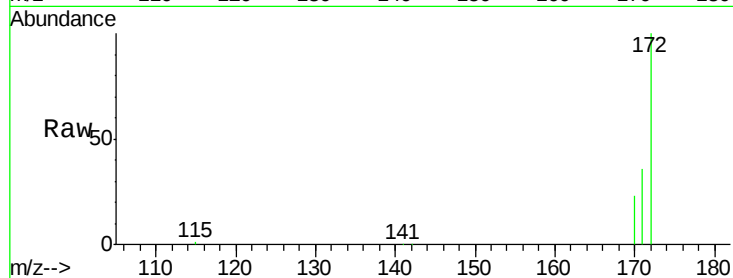
Tgt Ion:172 Resp: 814508

Ion Ratio Lower Upper

172 100

171 36.2 30.8 46.2

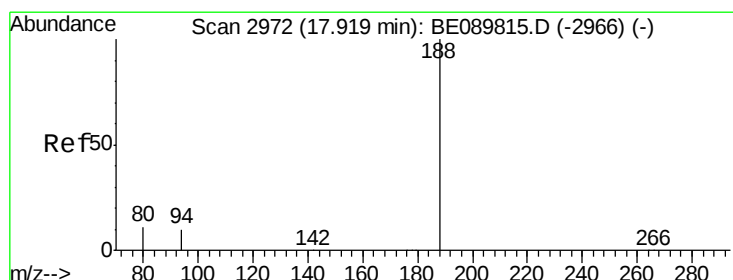
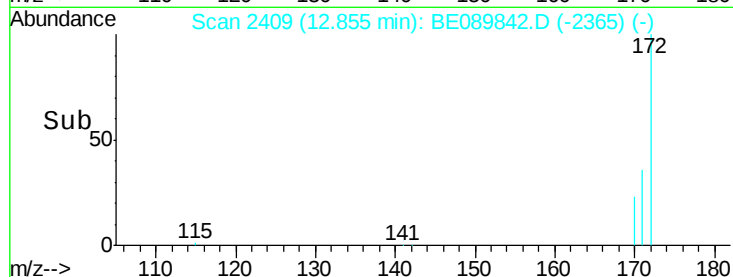
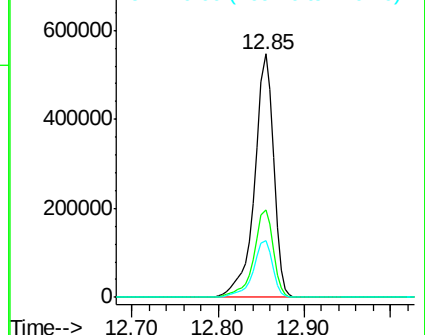
170 23.3 21.0 31.4



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: 17.92 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

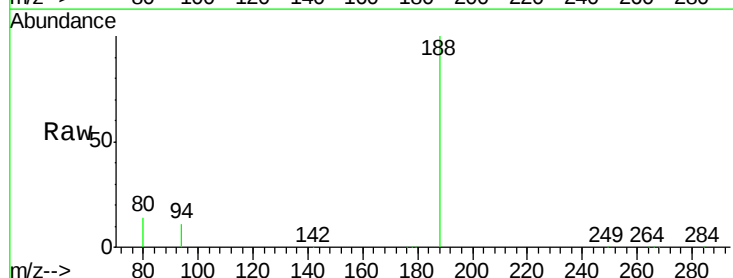
Tgt Ion:188 Resp: 649601

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

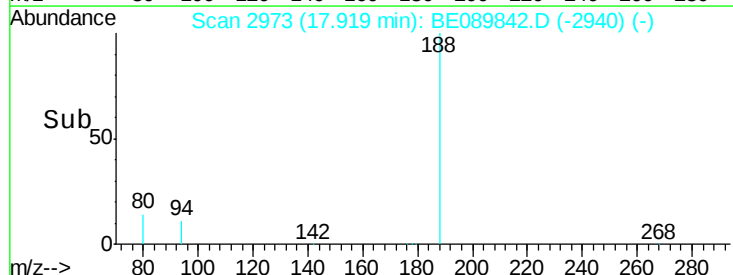
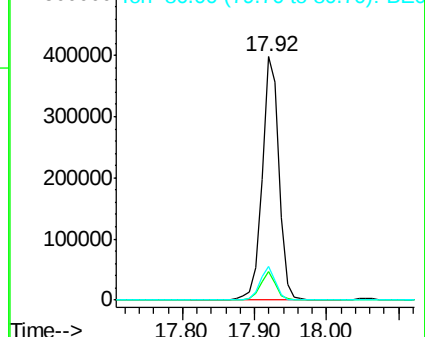
80 13.7 10.0 15.0

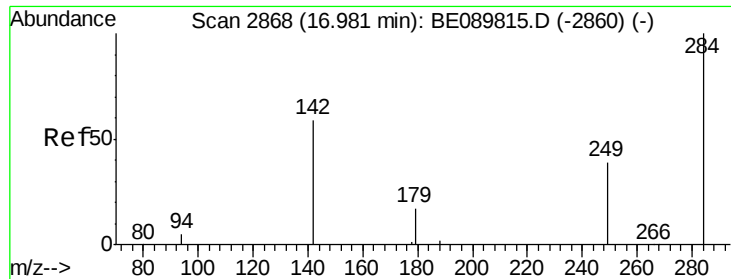


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#14

Hexachlorobenzene

Concen: 0.33 ng

RT: 16.98 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

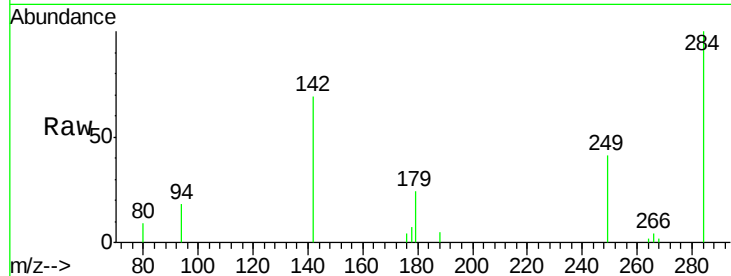
Tgt Ion:284 Resp: 7195

Ion Ratio Lower Upper

284 100

142 68.2 53.3 79.9

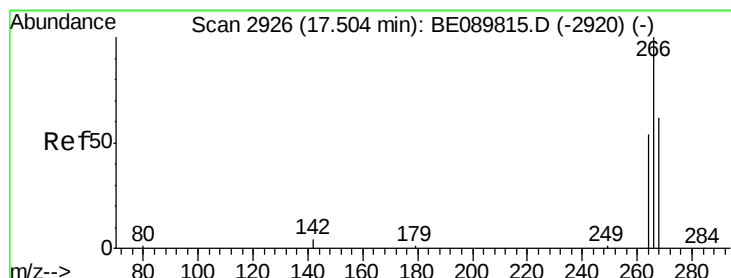
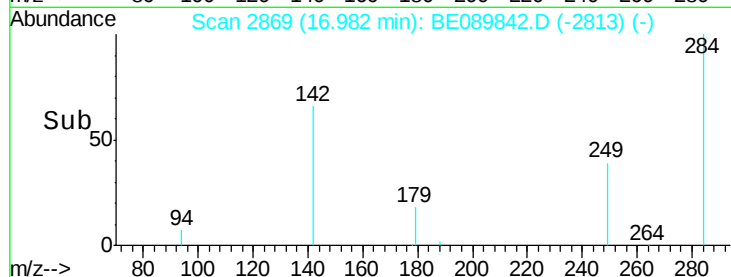
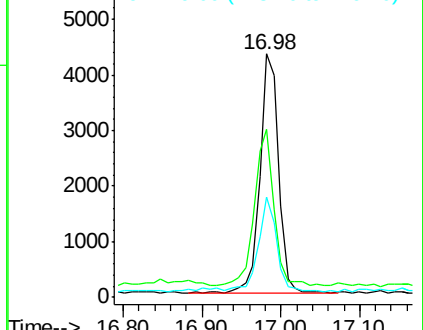
249 38.1 31.1 46.7



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: 17.50 min Scan# 2927

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

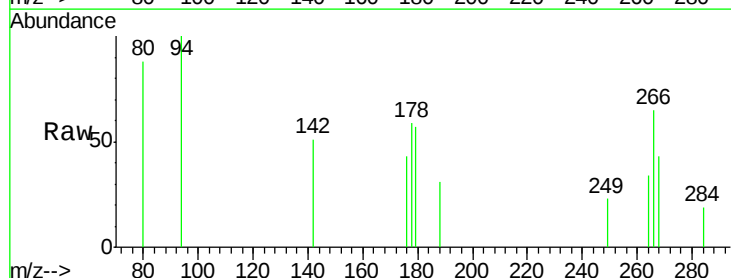
Tgt Ion:266 Resp: 518

Ion Ratio Lower Upper

266 100

268 66.7 51.6 77.4

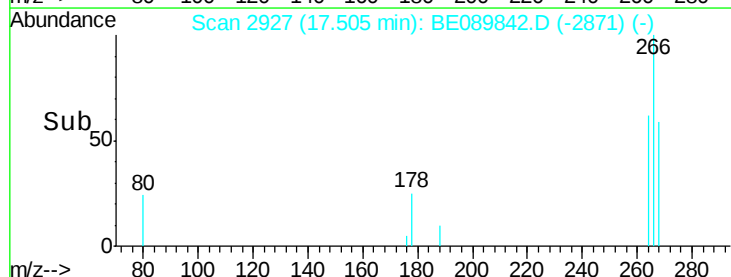
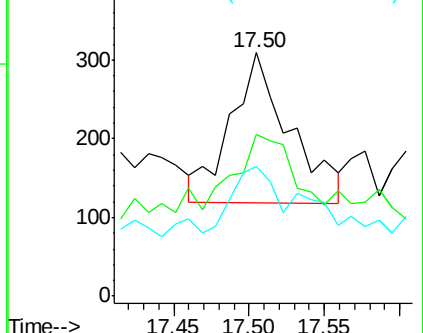
264 53.4 50.2 75.2

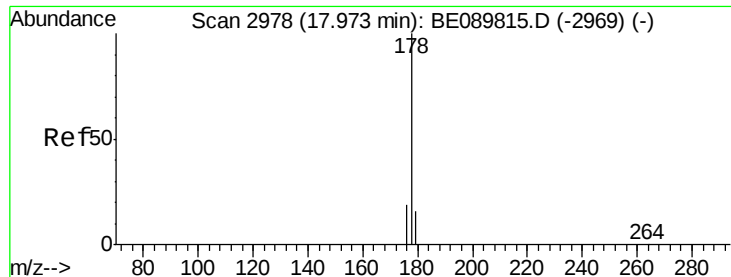


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 0.08 ng

RT: 17.97 min Scan# 2979

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

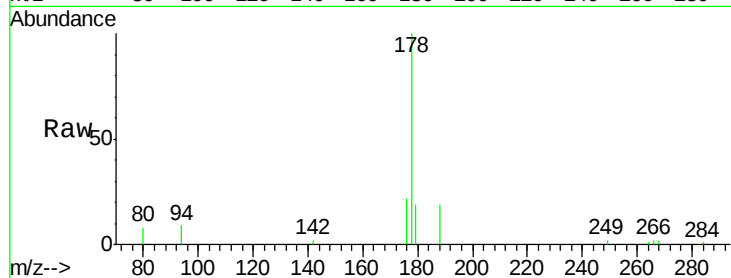
Tgt Ion:178 Resp: 11516

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

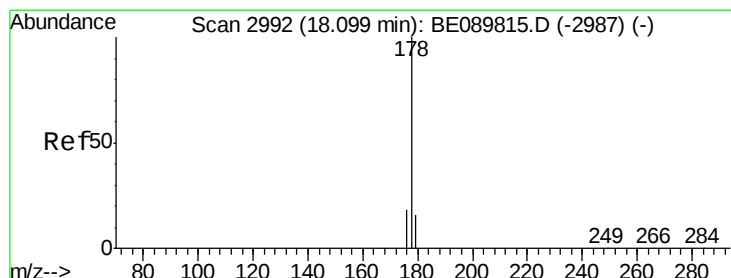
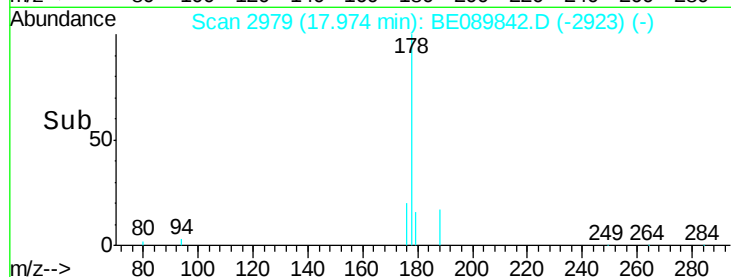
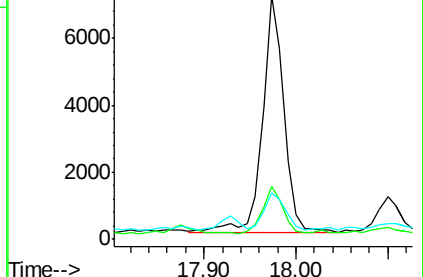
179 14.5 12.2 18.4



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



#17

Anthracene

Concen: 0.09 ng

RT: 17.97 min Scan# 2979

Delta R.T. -0.13 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

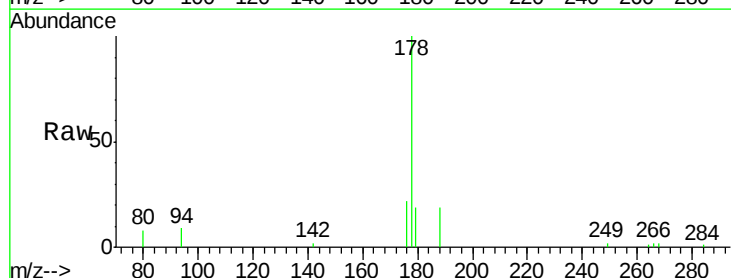
Tgt Ion:178 Resp: 11516

Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

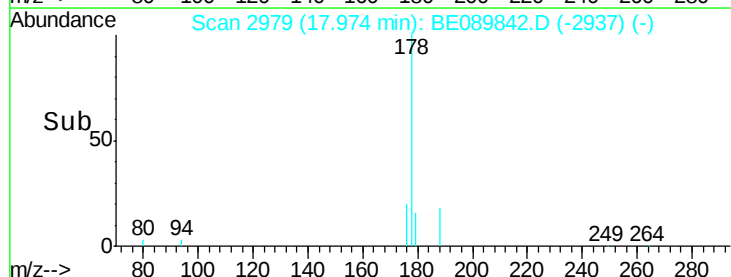
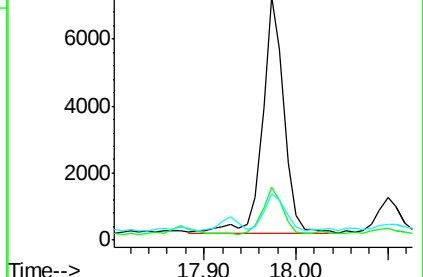
179 14.5 12.1 18.1

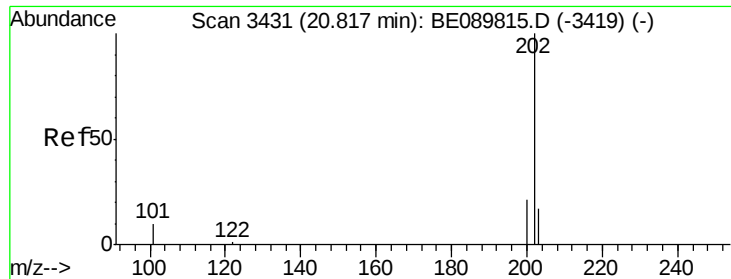


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#18

Fluoranthene

Concen: 0.24 ng

RT: 20.82 min Scan# 3433

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

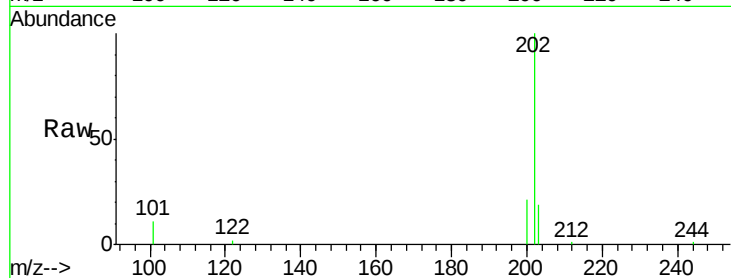
Tgt Ion:202 Resp: 31371

Ion Ratio Lower Upper

202 100

101 9.9 8.2 12.2

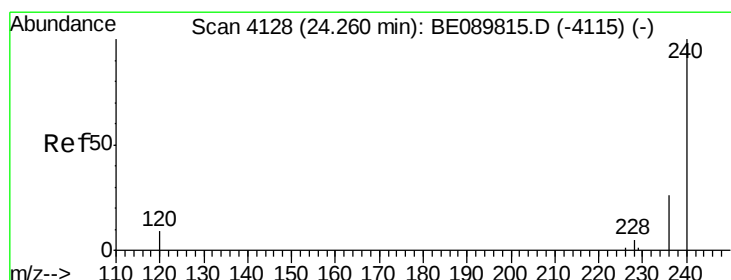
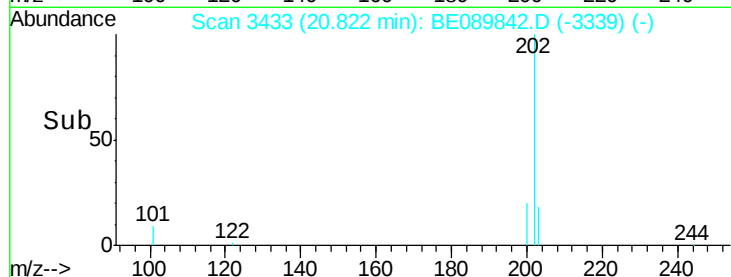
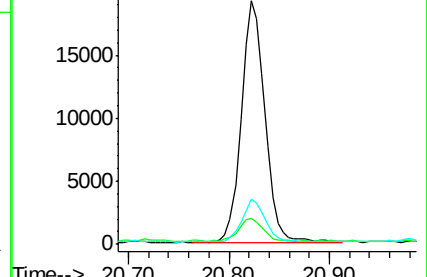
203 17.4 14.2 21.4



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: 24.26 min Scan# 4130

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

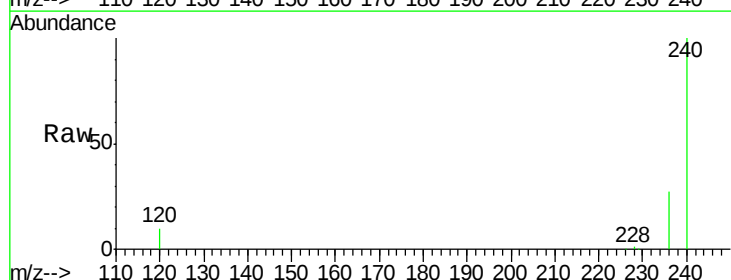
Tgt Ion:240 Resp: 590912

Ion Ratio Lower Upper

240 100

120 10.4 7.5 11.3

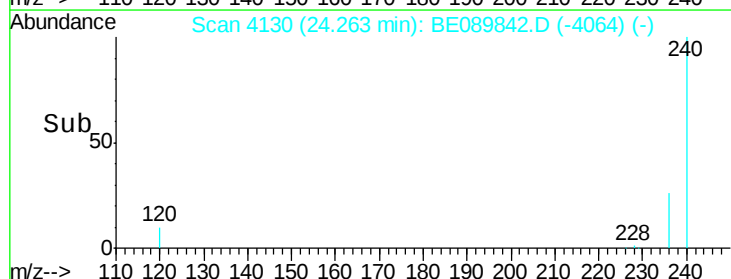
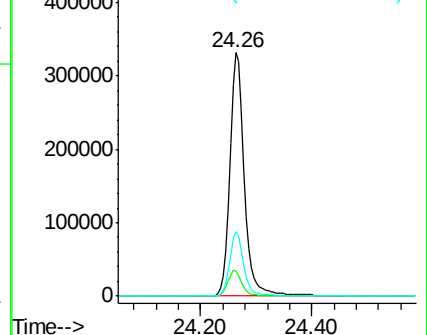
236 26.5 20.5 30.7

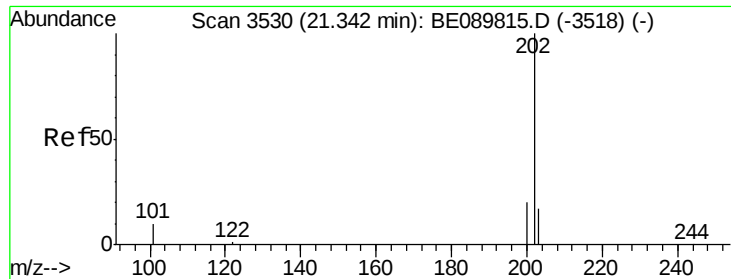


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

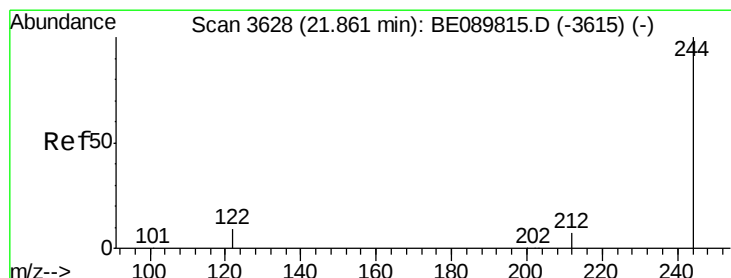
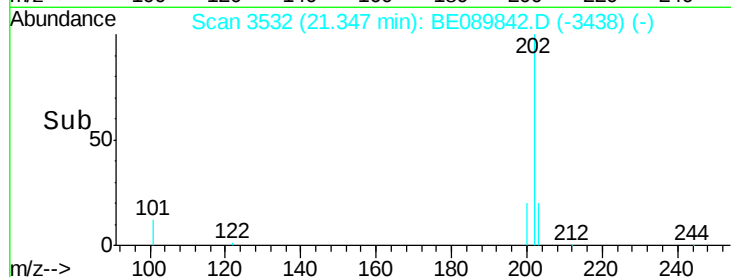
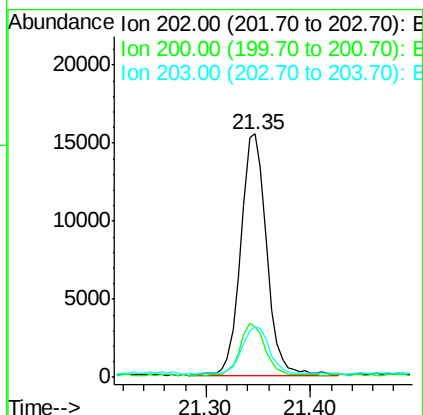
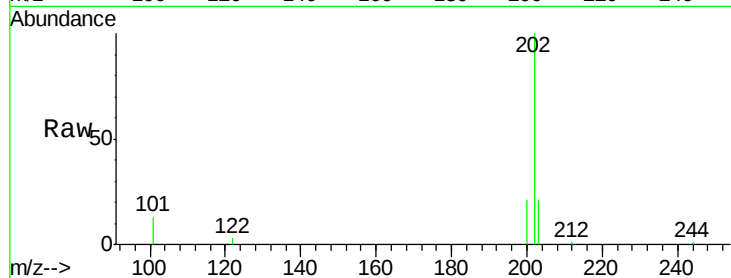




#20
Pyrene
Concen: 0.18 ng
RT: 21.35 min Scan# 3532
Delta R.T. 0.00 min
Lab File: BE089842.D
Acq: 25 Mar 2015 18:06

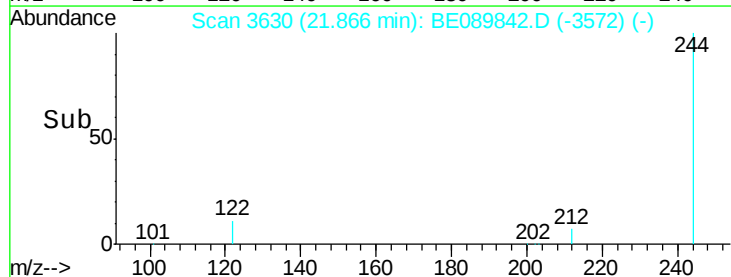
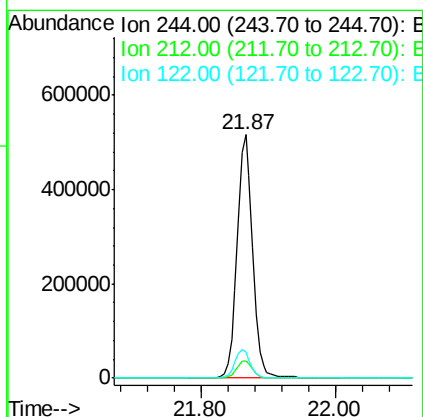
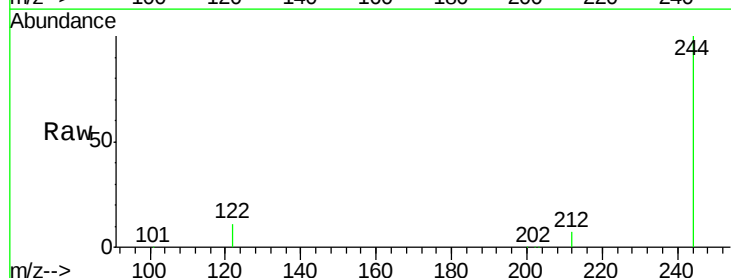
Instrument :
BNA_E
ClientSampleId :
RW-10V

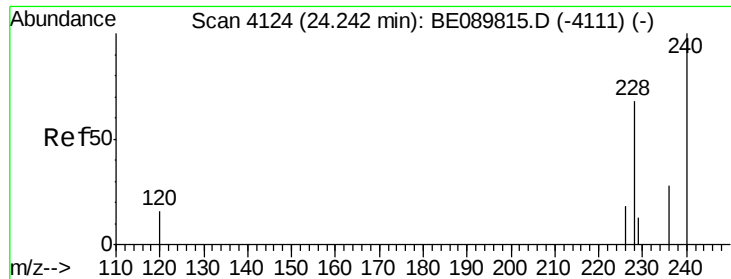
Tgt Ion: 202 Resp: 26547
Ion Ratio Lower Upper
202 100
200 20.7 15.9 23.9
203 21.0 13.6 20.4#



#21
Terphenyl-d14
Concen: 9.60 ng
RT: 21.87 min Scan# 3630
Delta R.T. 0.01 min
Lab File: BE089842.D
Acq: 25 Mar 2015 18:06

Tgt Ion: 244 Resp: 836545
Ion Ratio Lower Upper
244 100
212 7.2 7.3 10.9#
122 10.7 10.5 15.7





#22

Benzo(a)anthracene

Concen: 0.11 ng

RT: 24.25 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

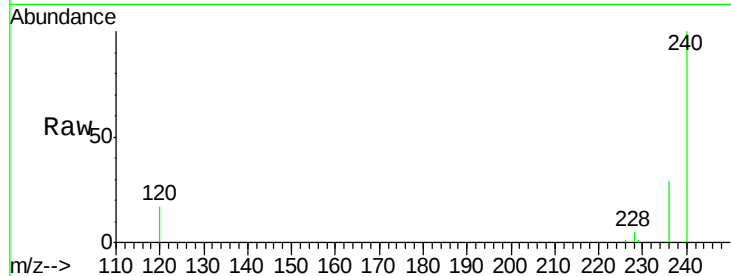
Tgt Ion:228 Resp: 11909

Ion Ratio Lower Upper

228 100

226 27.6 19.8 29.8

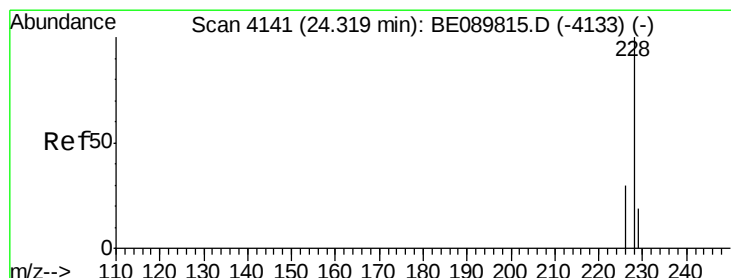
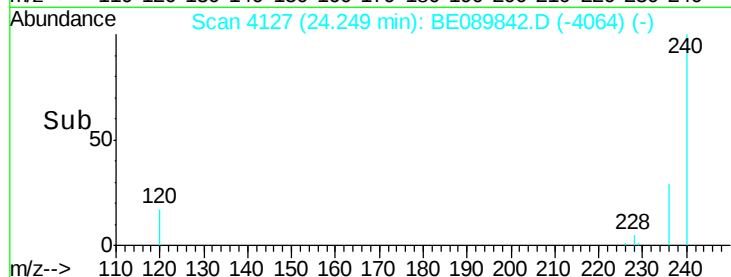
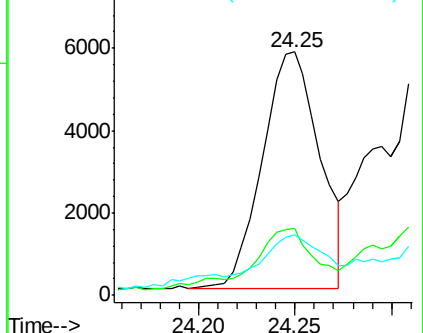
229 24.9 16.3 24.5#



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: 0.18 ng

RT: 24.32 min Scan# 4143

Delta R.T. 0.01 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

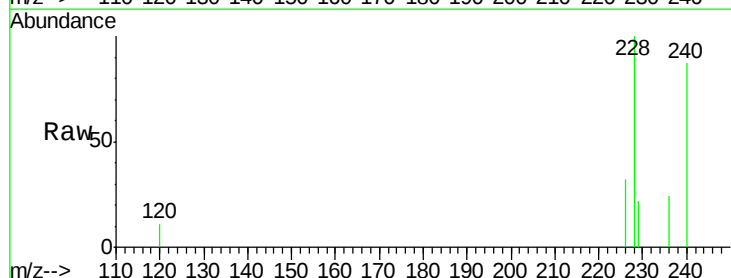
Tgt Ion:228 Resp: 21502

Ion Ratio Lower Upper

228 100

226 31.8 23.0 34.4

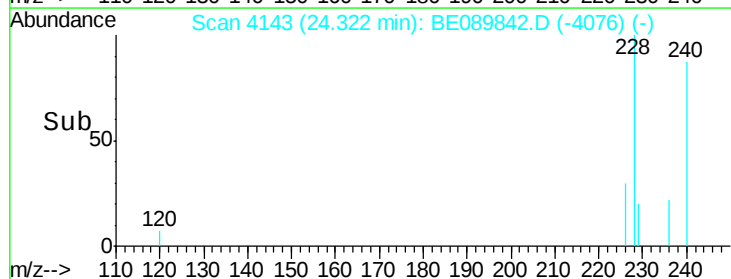
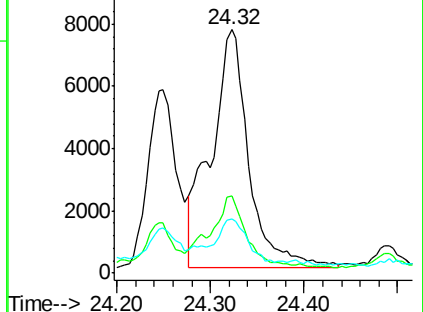
229 22.0 15.8 23.6

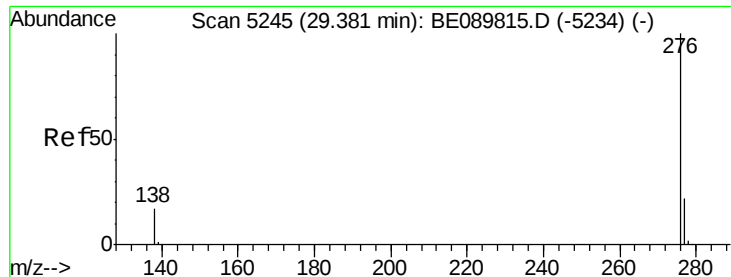


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

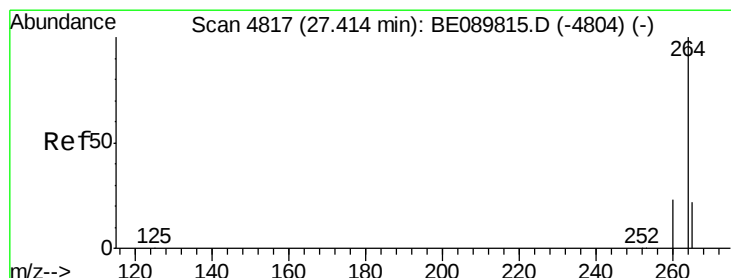
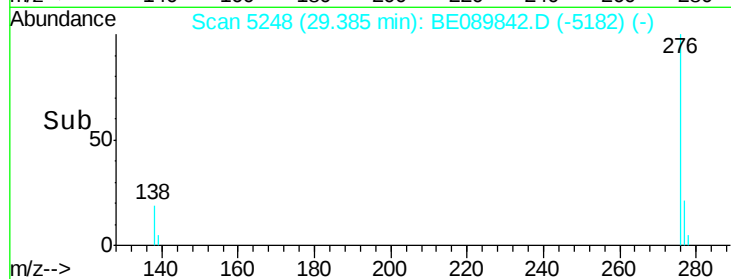
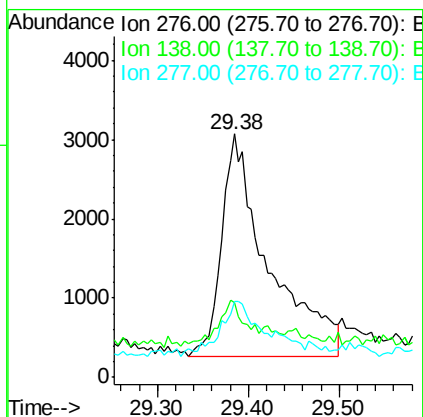
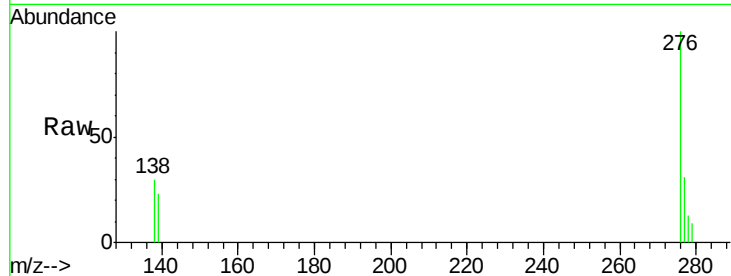




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.50 ng
RT: 29.38 min Scan# 5248
Delta R.T. 0.00 min
Lab File: BE089842.D
Acq: 25 Mar 2015 18:06

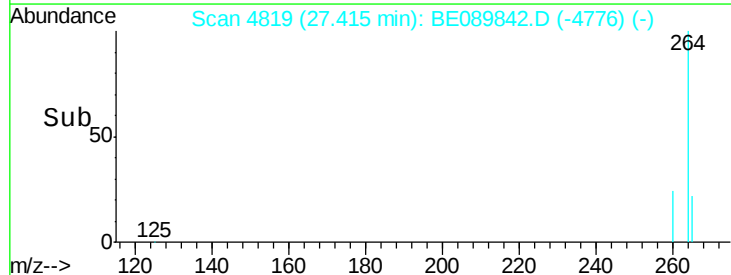
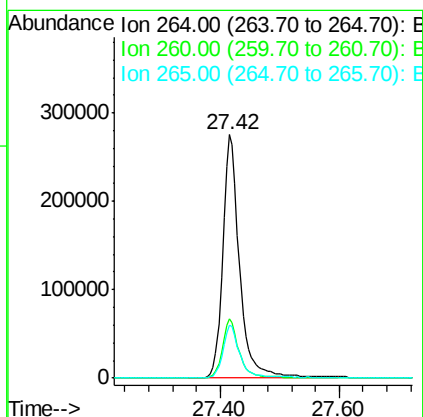
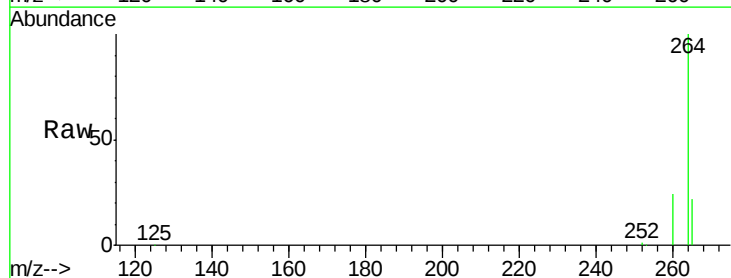
Instrument :
BNA_E
ClientSampleId :
RW-10V

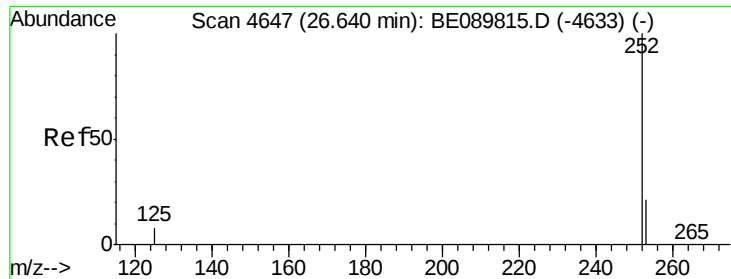
Tgt Ion: 276 Resp: 10017
Ion Ratio Lower Upper
276 100
138 10.7 4.3 6.5#
277 19.8 9.0 13.4#



#25
Perylene-d12
Concen: 5.00 ng
RT: 27.42 min Scan# 4819
Delta R.T. 0.00 min
Lab File: BE089842.D
Acq: 25 Mar 2015 18:06

Tgt Ion: 264 Resp: 544034
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.2
265 21.7 17.3 25.9





#26

Benzo(b)fluoranthene

Concen: 0.49 ng

RT: 26.65 min Scan# 4650

Delta R.T. 0.01 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

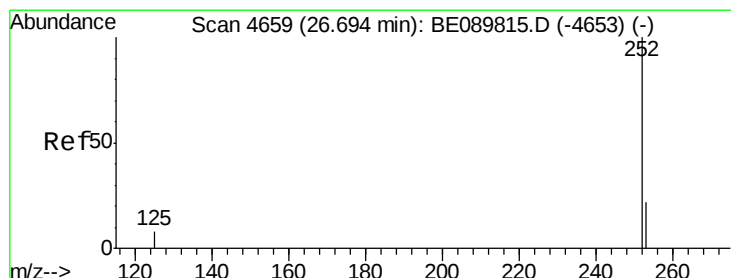
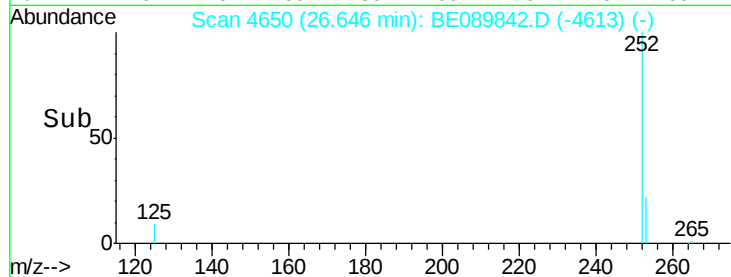
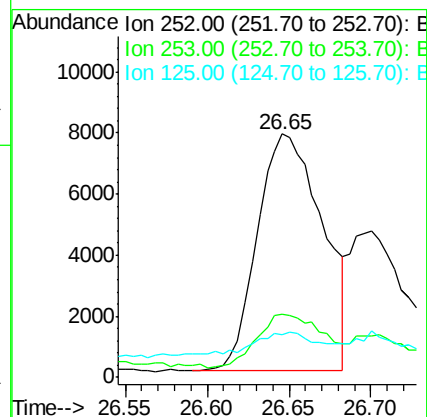
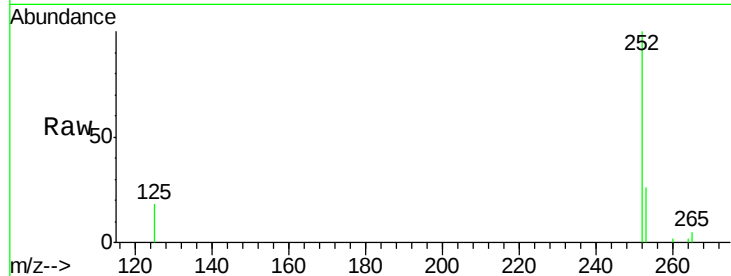
Tgt Ion:252 Resp: 21532

Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.6

125 17.6 8.7 13.1#



#27

Benzo(k)fluoranthene

Concen: 0.19 ng

RT: 26.65 min Scan# 4650

Delta R.T. -0.05 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

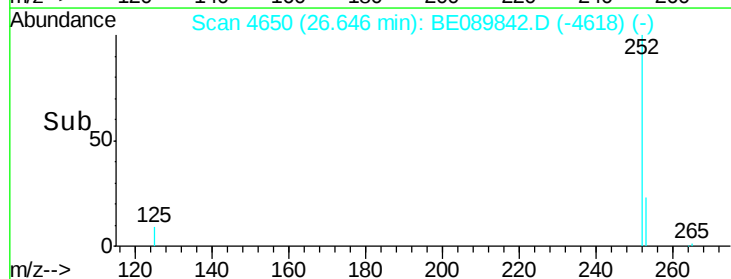
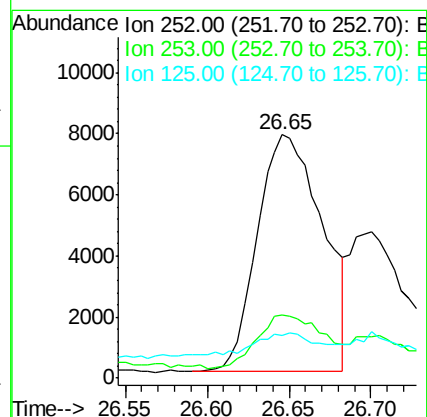
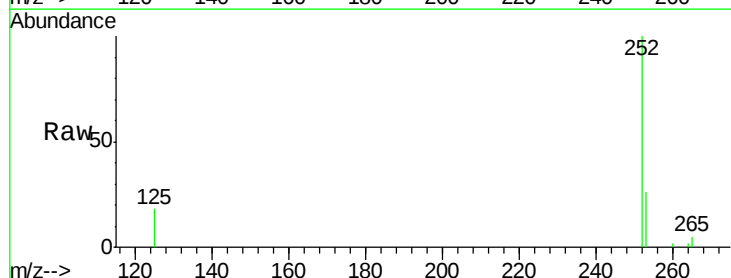
Tgt Ion:252 Resp: 21532

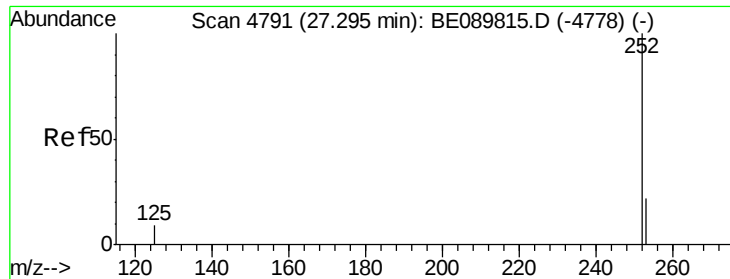
Ion Ratio Lower Upper

252 100

253 25.7 18.6 28.0

125 17.6 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.39 ng

RT: 27.30 min Scan# 4794

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

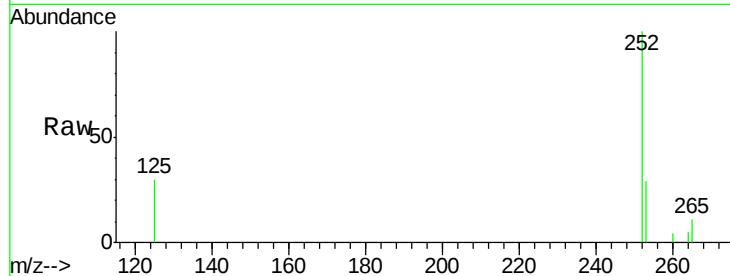
Tgt Ion:252 Resp: 10529

Ion Ratio Lower Upper

252 100

253 29.3 21.0 31.4

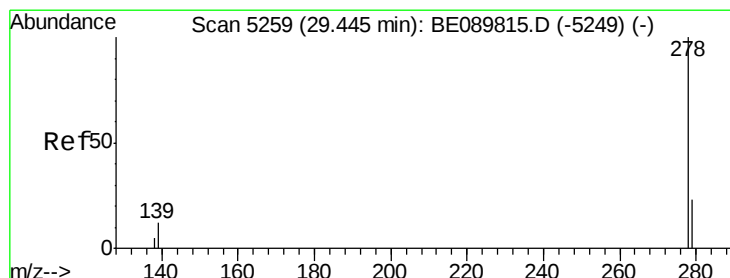
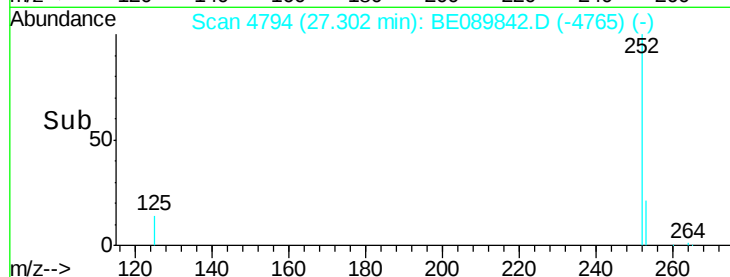
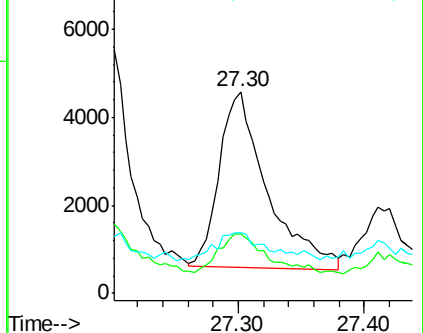
125 30.2 13.3 19.9#



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: BE089842.D

Acq: 25 Mar 2015 18:06

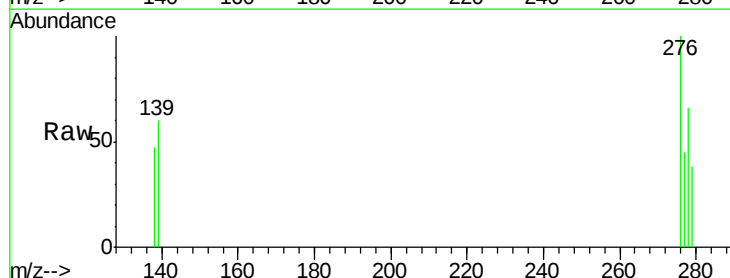
Tgt Ion:278 Resp: 851

Ion Ratio Lower Upper

278 100

139 91.2 20.0 30.0#

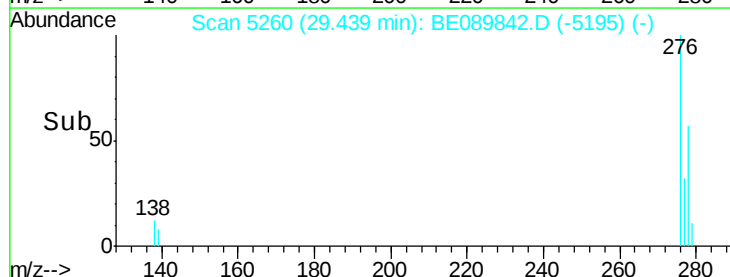
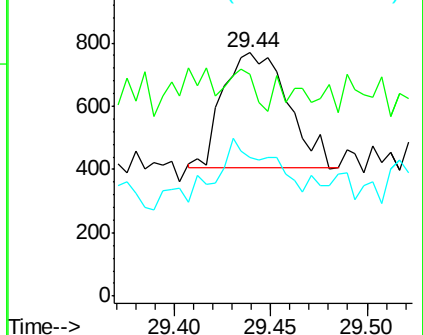
279 57.0 28.9 43.3#

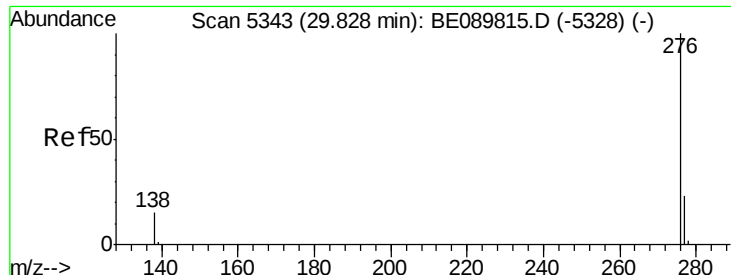


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.36 ng

RT: 29.83 min Scan# 5346

Delta R.T. 0.01 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

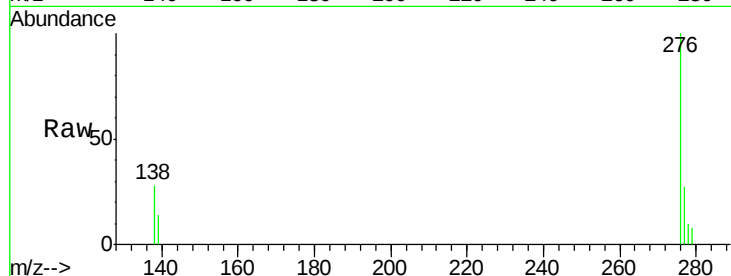
Tgt Ion: 276 Resp: 13021

Ion Ratio Lower Upper

276 100

277 26.7 19.2 28.8

138 27.7 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

