

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 11:34:08 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

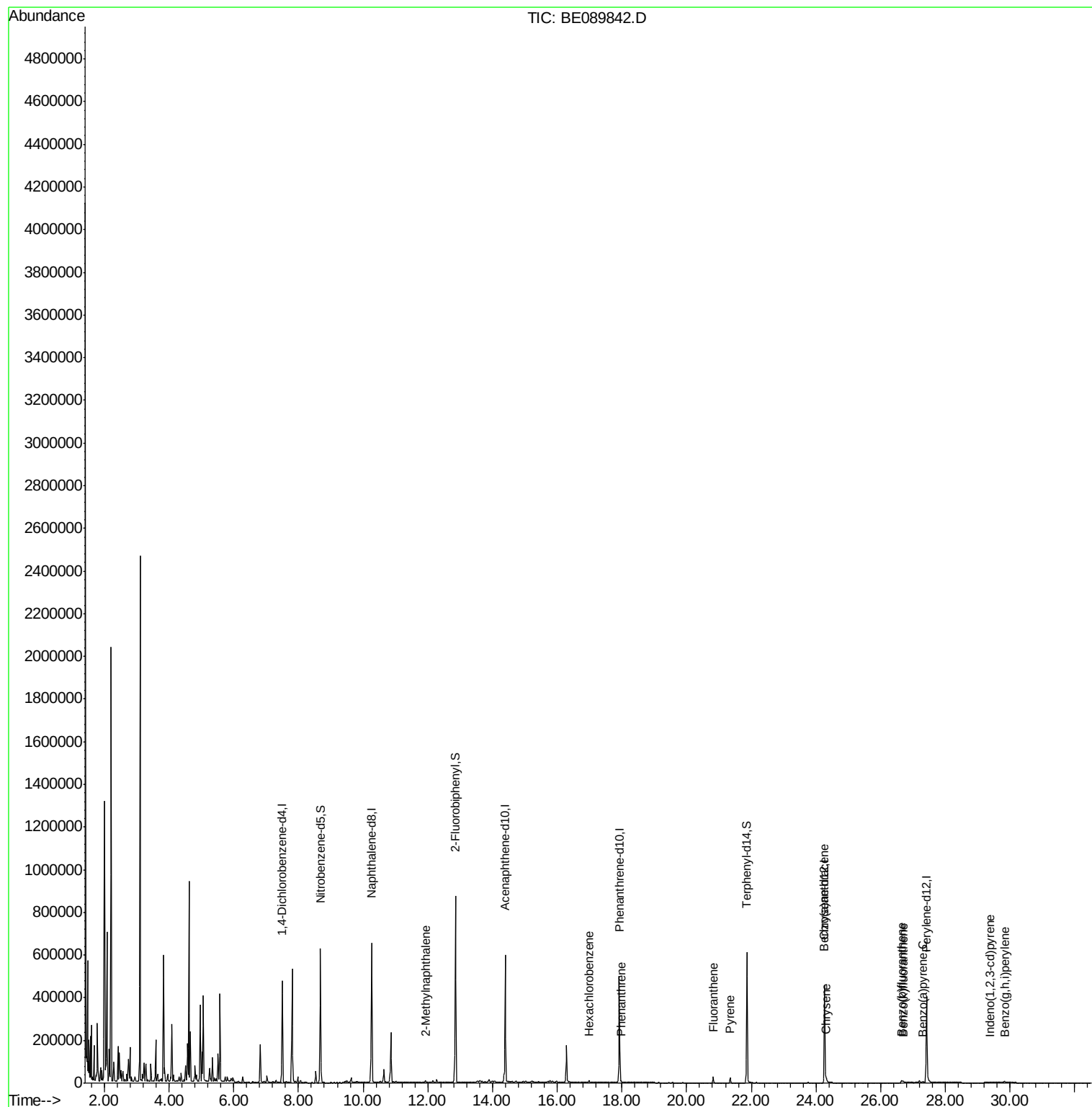
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) 2-Methylnaphthalene	11.94	142	6868	0.07	ng	# 90
14) Hexachlorobenzene	16.98	284	7195	0.33	ng	98
16) Phenanthrene	17.97	178	11516	0.08	ng	99
18) Fluoranthene	20.82	202	31371	0.24	ng	99
20) Pyrene	21.35	202	26547	0.18	ng	# 95
22) Benzo(a)anthracene	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	26.70	252	12578m	0.11	ng	
28) Benzo(a)pyrene	27.30	252	10529	0.39	ng	# 84
30) Benzo(g,h,i)perylene	29.83	276	13021	0.36	ng	97

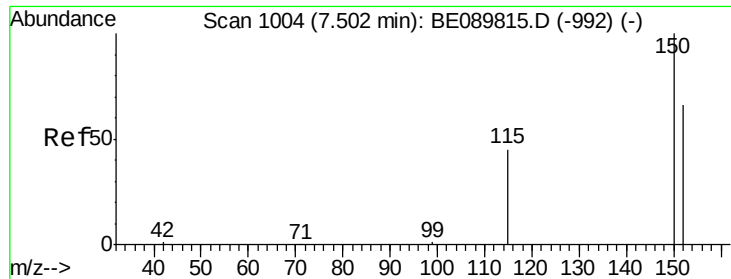
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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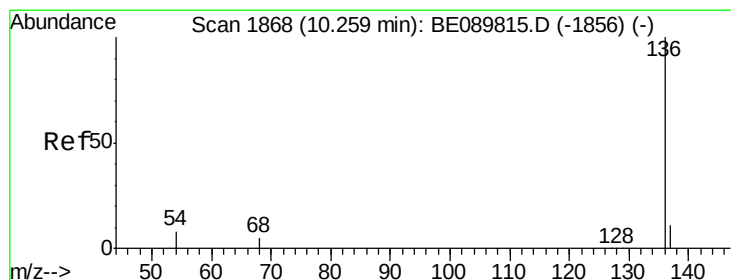
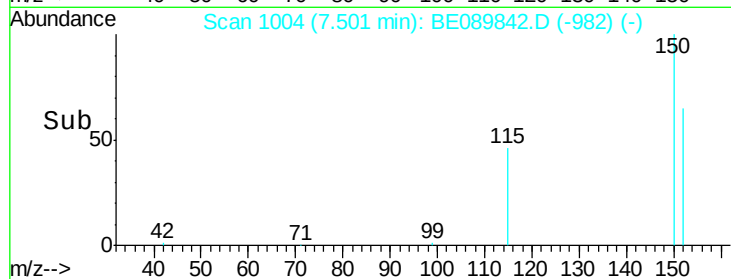
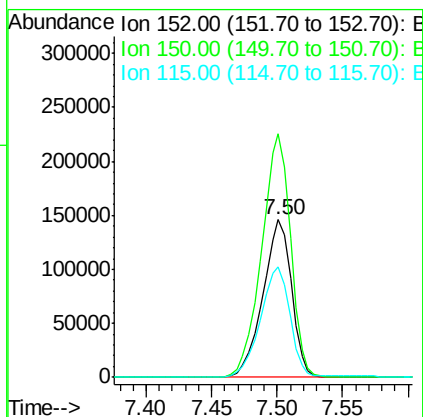
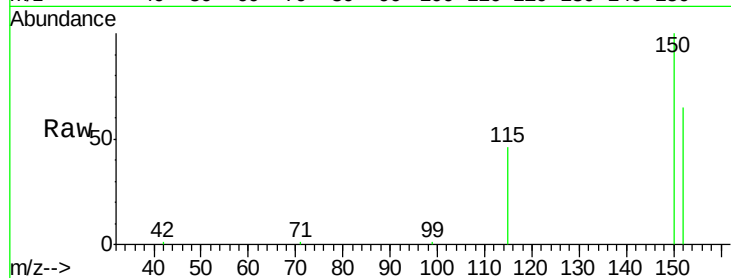




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089842.D
 Acq: 25 Mar 2015 18:06

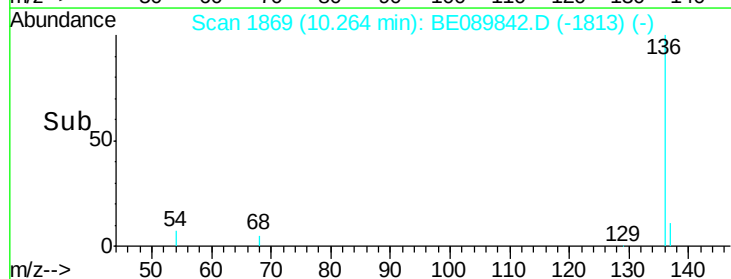
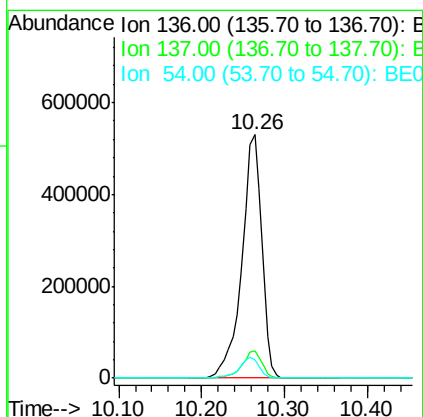
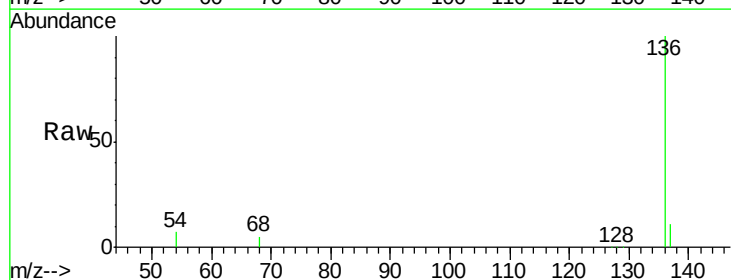
Instrument :
 BNA_E
 ClientSampleId :
 RW-10V

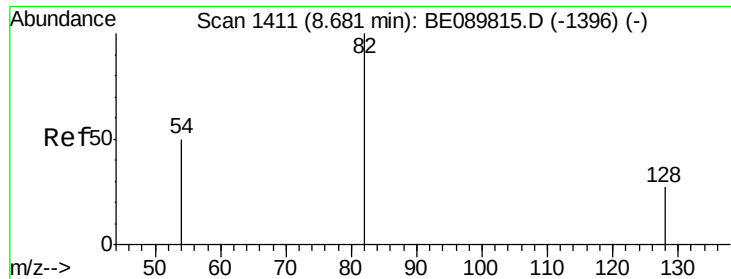
Tgt Ion:152 Resp: 221700
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.5 188.3
 115 70.5 58.0 87.0



#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





#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

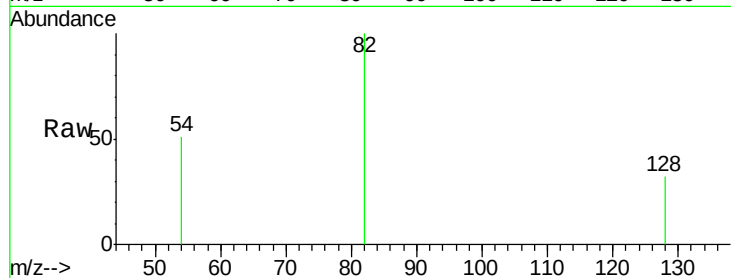
Tgt Ion: 82 Resp: 537039

Ion Ratio Lower Upper

82 100

128 31.7 24.6 37.0

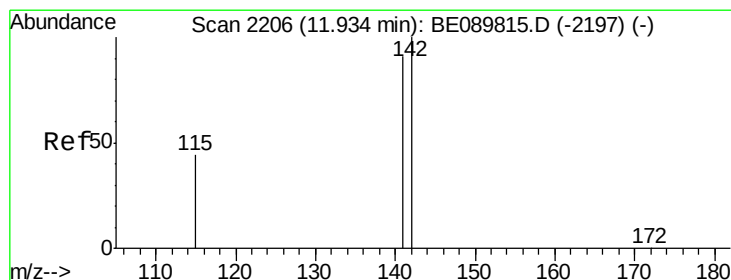
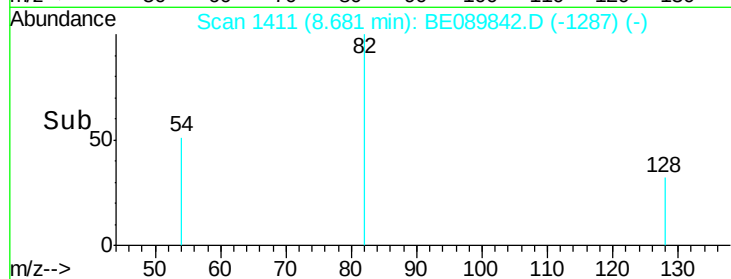
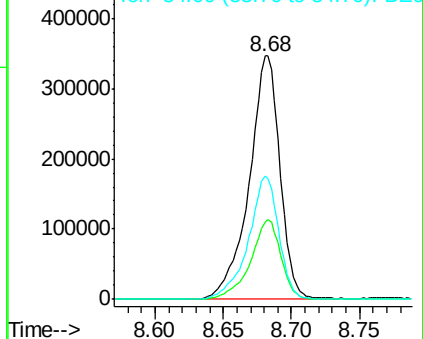
54 50.6 43.0 64.6



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



#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

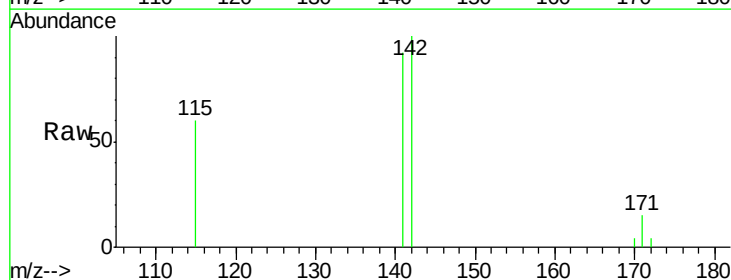
Tgt Ion: 142 Resp: 6868

Ion Ratio Lower Upper

142 100

141 91.8 72.8 109.2

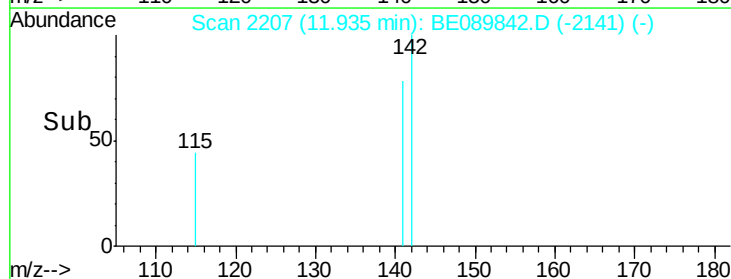
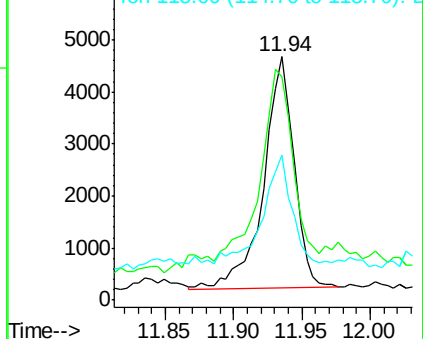
115 59.6 32.9 49.3#

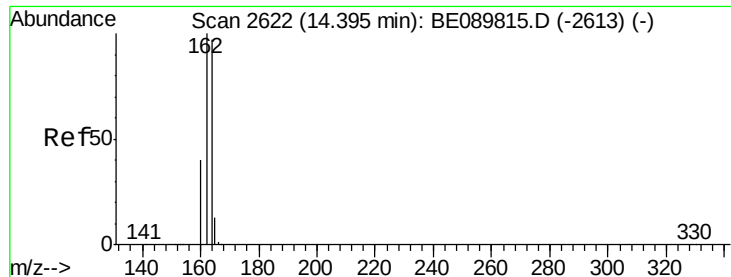


Abundance Ion 142.00 (141.70 to 142.70): E

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

Instrument :

BNA_E

ClientSampleId :

RW-10V

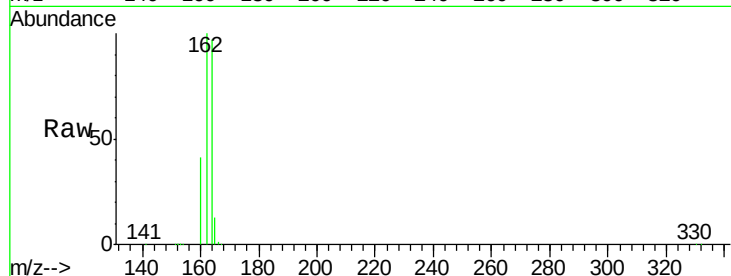
Tgt Ion:164 Resp: 383853

Ion Ratio Lower Upper

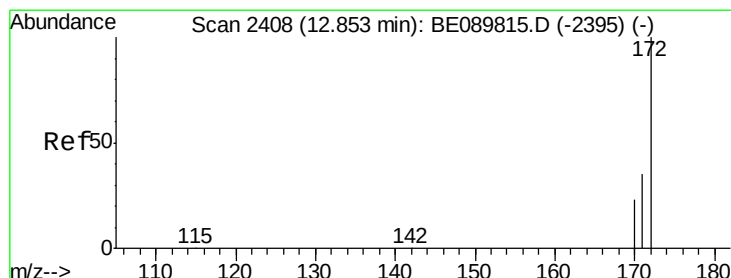
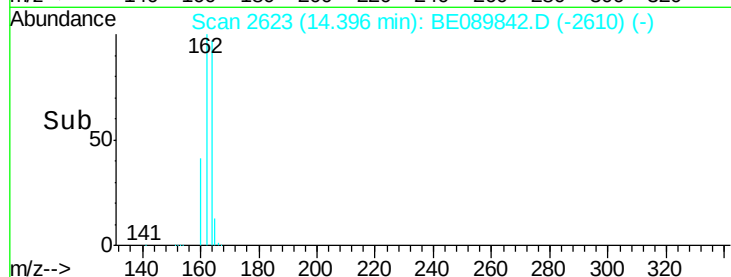
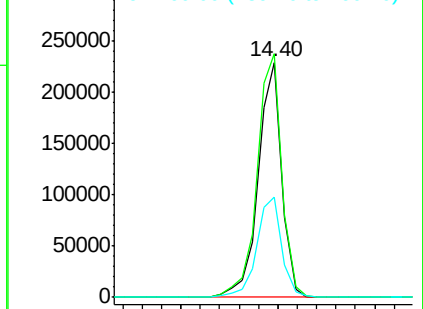
164 100

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

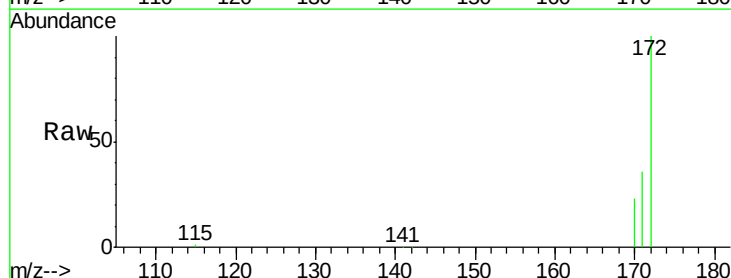
Tgt Ion:172 Resp: 814508

Ion Ratio Lower Upper

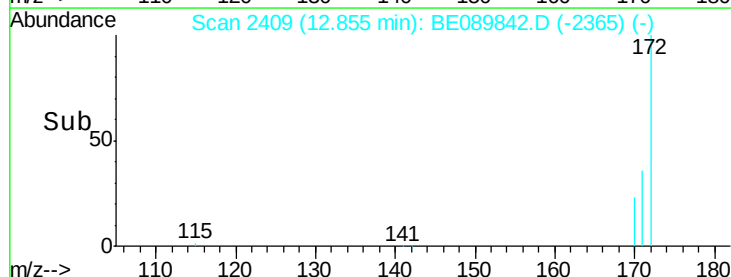
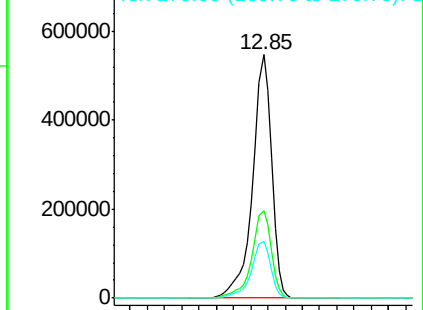
172 100

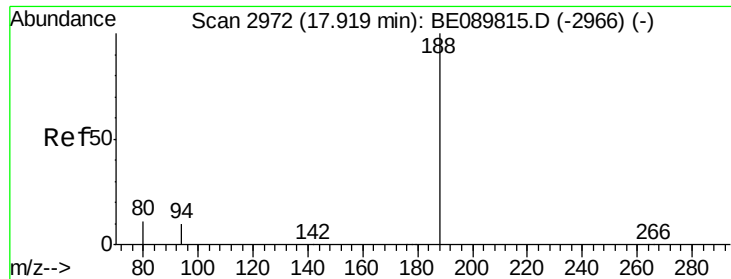
171 36.2 30.8 46.2

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

Instrument :

BNA_E

ClientSampleId :

RW-10V

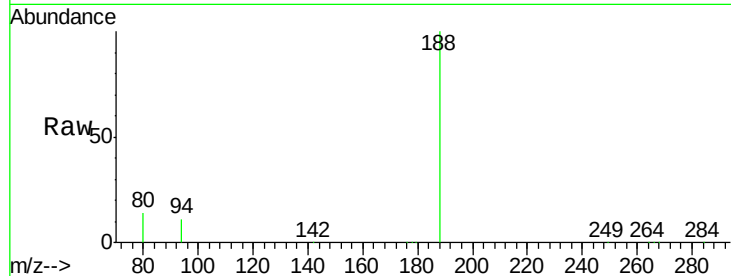
Tgt Ion:188 Resp: 649601

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

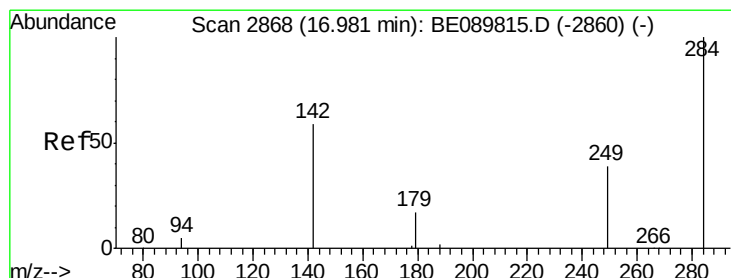
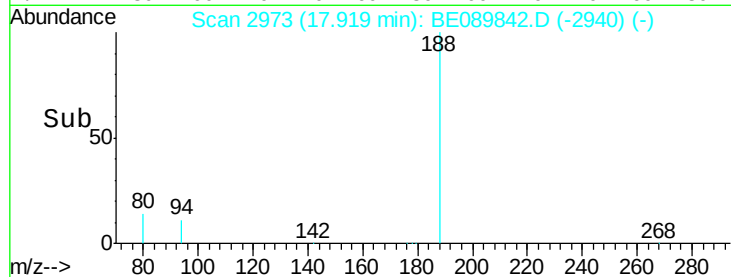
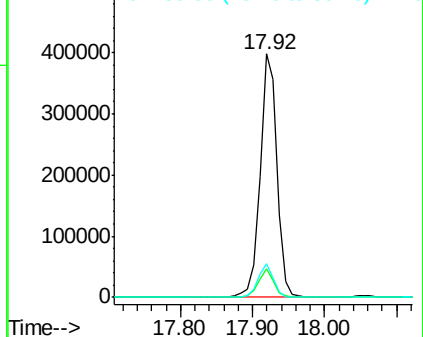
80 13.7 10.0 15.0



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

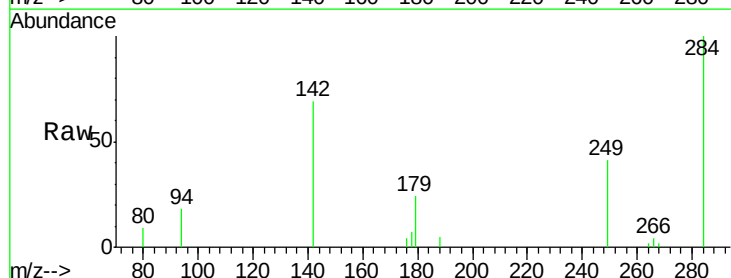
Tgt Ion:284 Resp: 7195

Ion Ratio Lower Upper

284 100

142 68.2 53.3 79.9

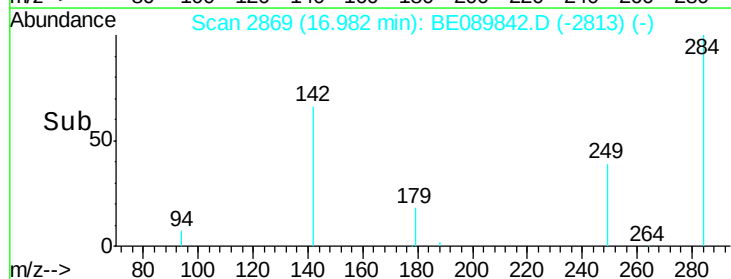
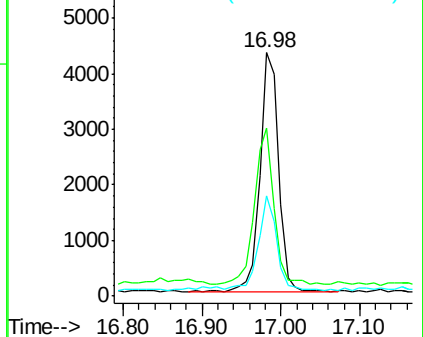
249 38.1 31.1 46.7

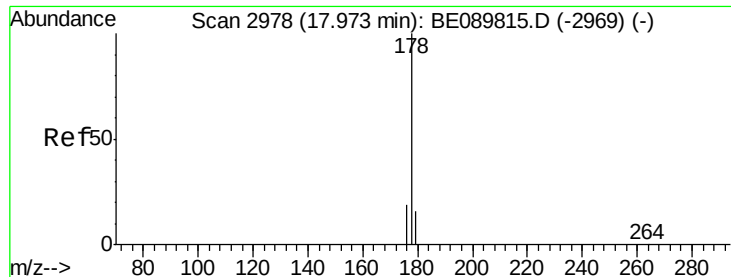


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#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

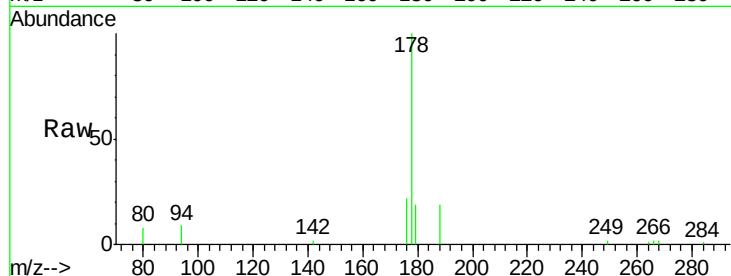
Tgt Ion:178 Resp: 11516

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

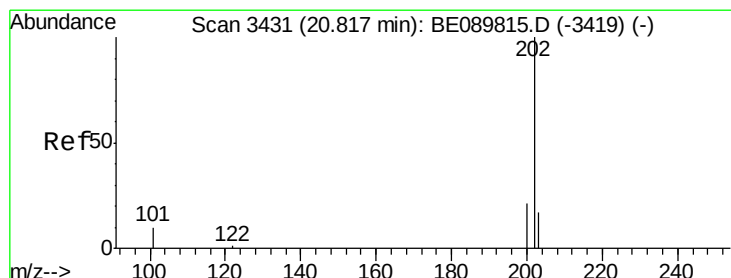
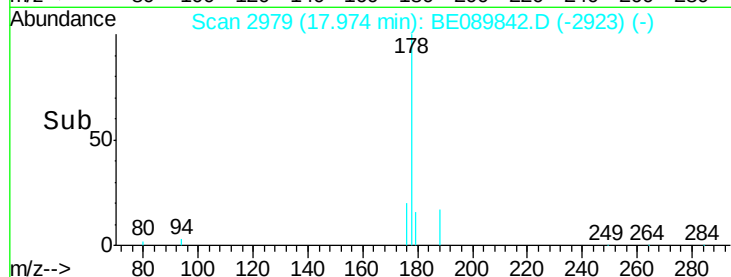
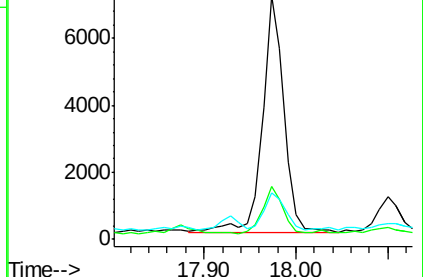
179 14.5 12.2 18.4



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



#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

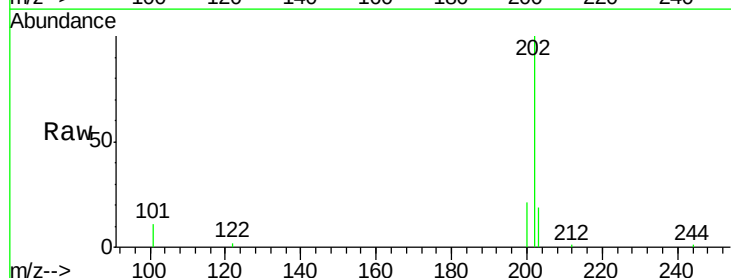
Tgt Ion:202 Resp: 31371

Ion Ratio Lower Upper

202 100

101 9.9 8.2 12.2

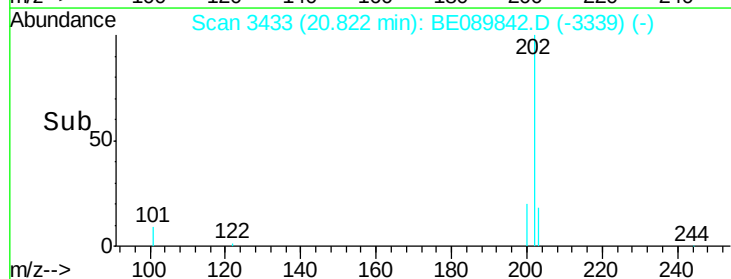
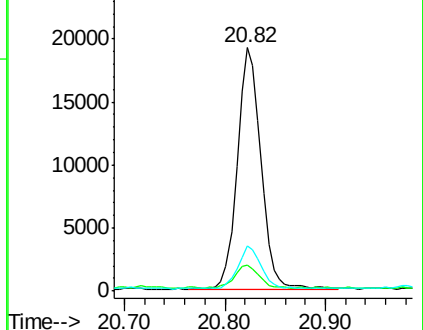
203 17.4 14.2 21.4

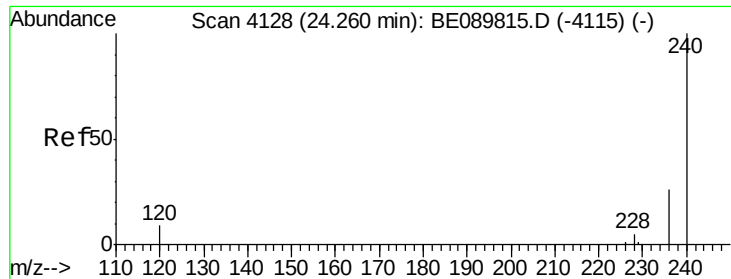


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_E

ClientSampleId :

RW-10V

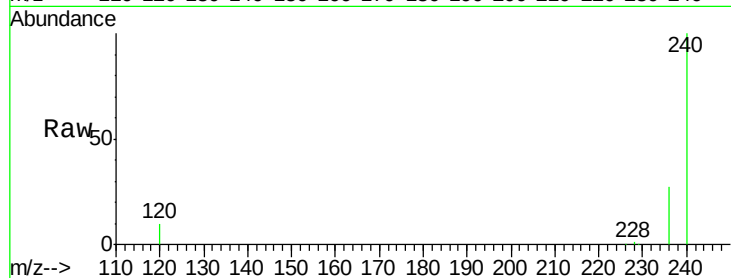
Tgt Ion:240 Resp: 590912

Ion Ratio Lower Upper

240 100

120 10.4 7.5 11.3

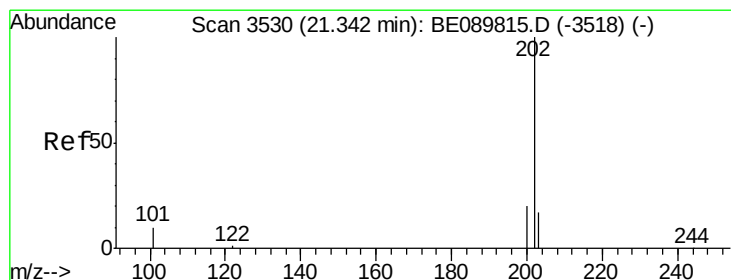
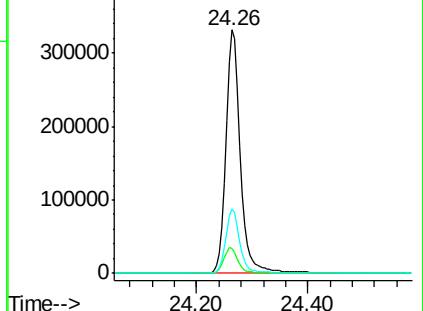
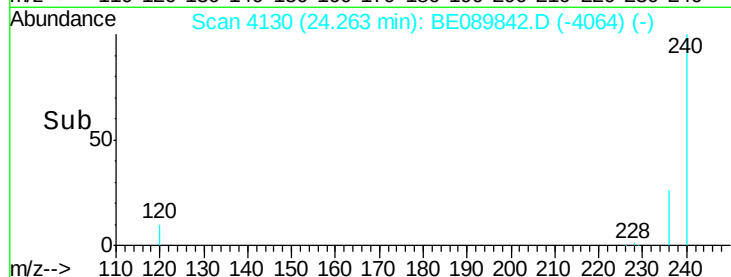
236 26.5 20.5 30.7



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

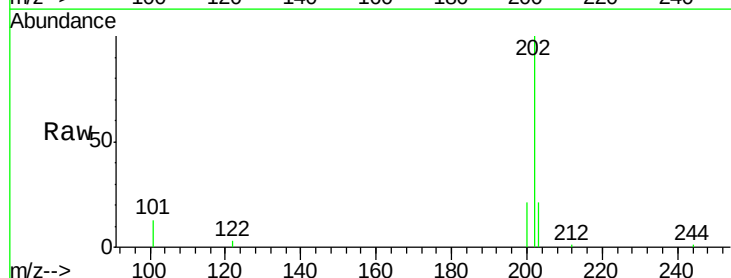
Tgt Ion:202 Resp: 26547

Ion Ratio Lower Upper

202 100

200 20.7 15.9 23.9

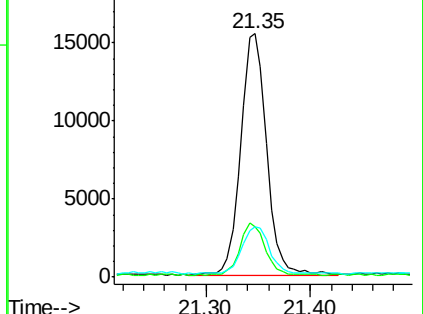
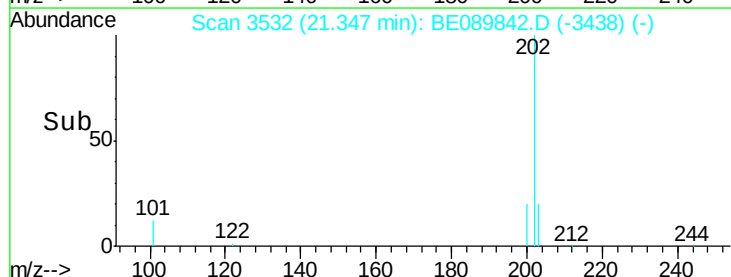
203 21.0 13.6 20.4#

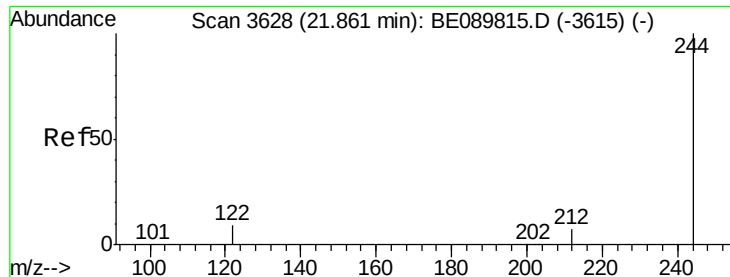


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 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

Instrument :

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RW-10V

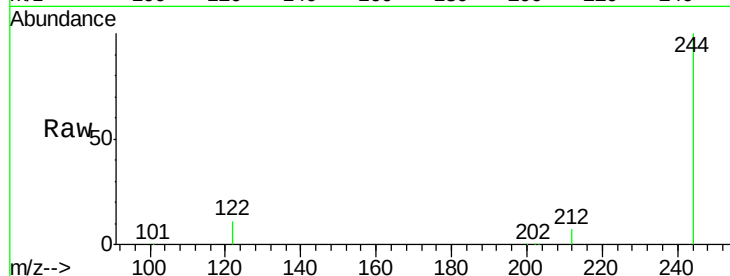
Tgt Ion:244 Resp: 836545

Ion Ratio Lower Upper

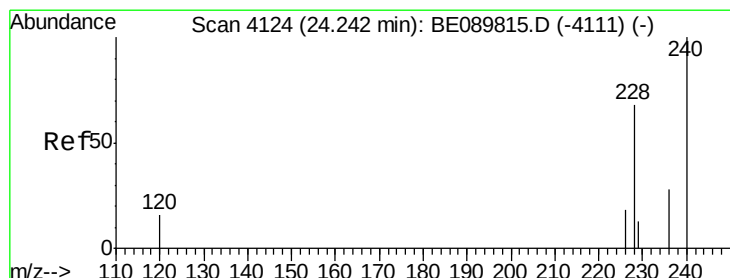
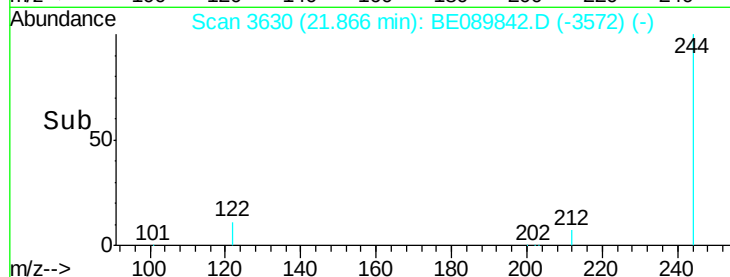
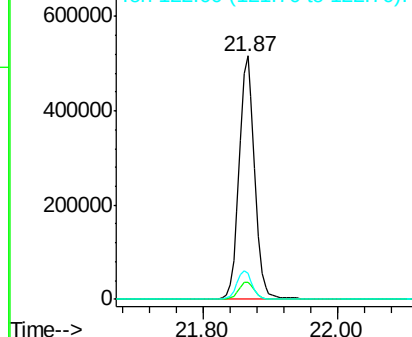
244 100

212 7.2 7.3 10.9#

122 10.7 10.5 15.7



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: 0.11 ng

RT: 24.25 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

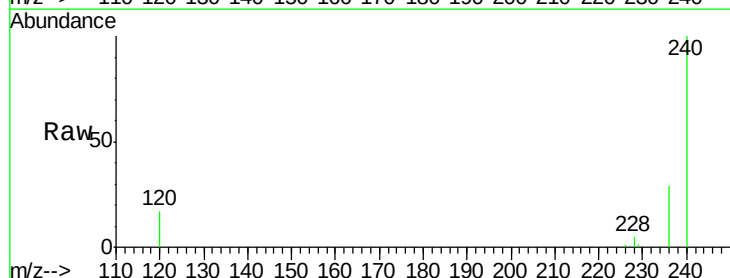
Tgt Ion:228 Resp: 11909

Ion Ratio Lower Upper

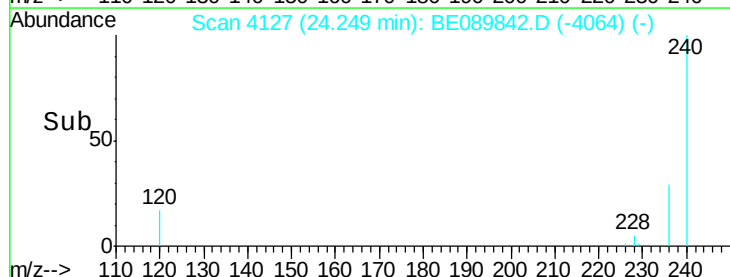
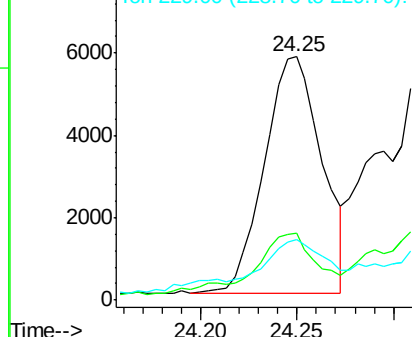
228 100

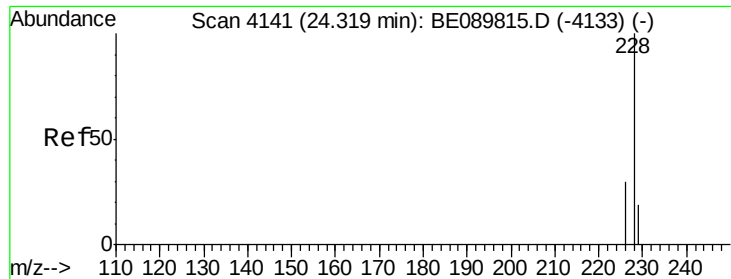
226 27.6 19.8 29.8

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

Instrument :

BNA_E

ClientSampleId :

RW-10V

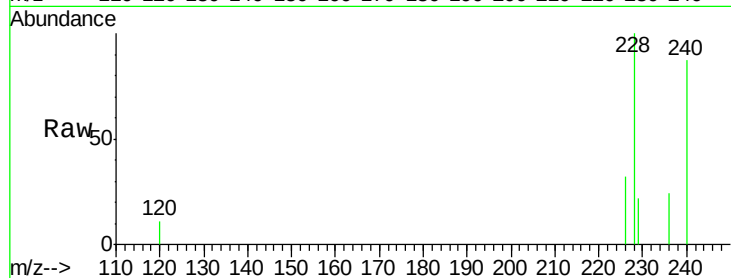
Tgt Ion:228 Resp: 21502

Ion Ratio Lower Upper

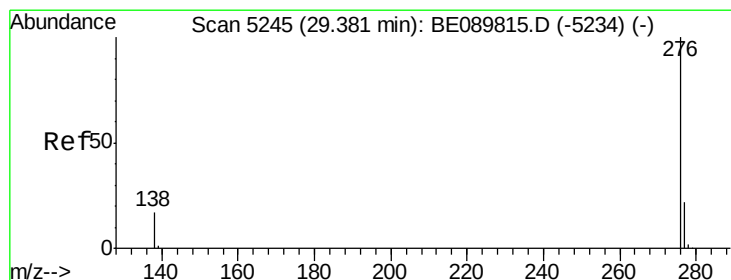
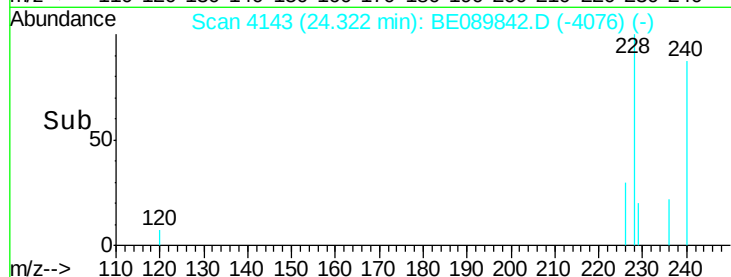
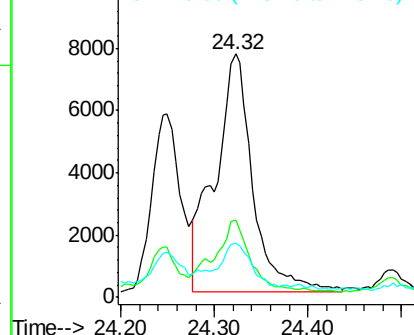
228 100

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

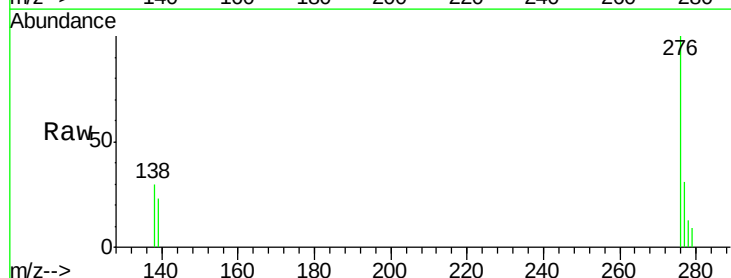
Tgt Ion:276 Resp: 10017

Ion Ratio Lower Upper

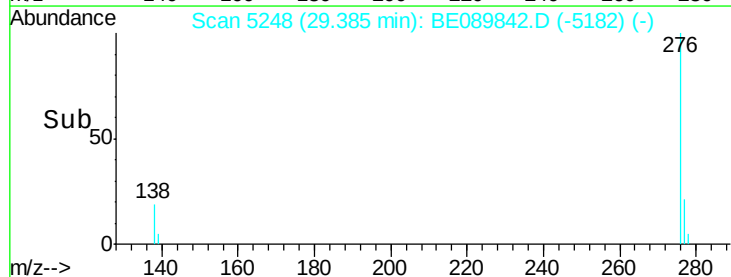
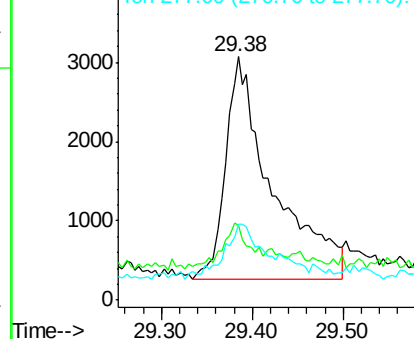
276 100

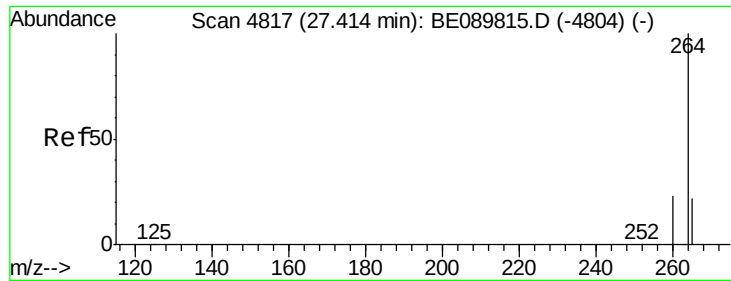
138 10.7 4.3 6.5#

277 19.8 9.0 13.4#



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



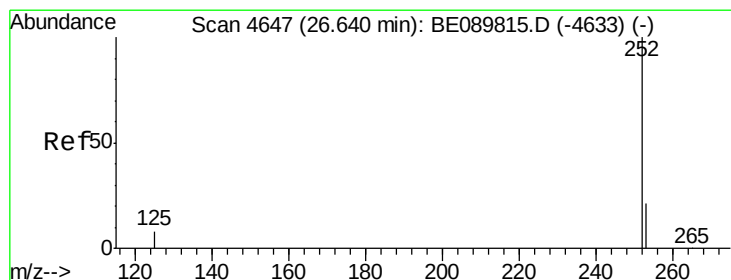
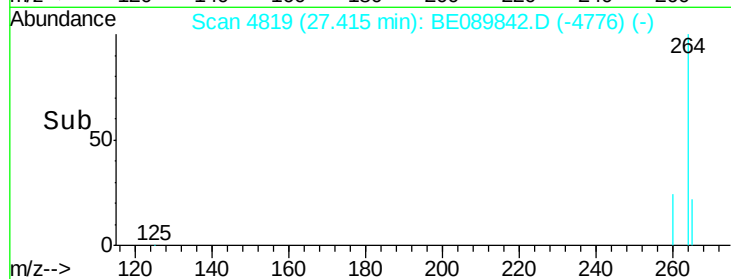
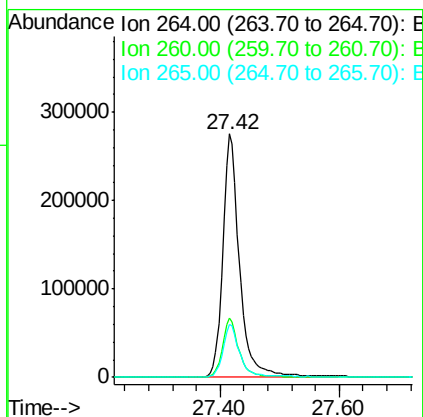
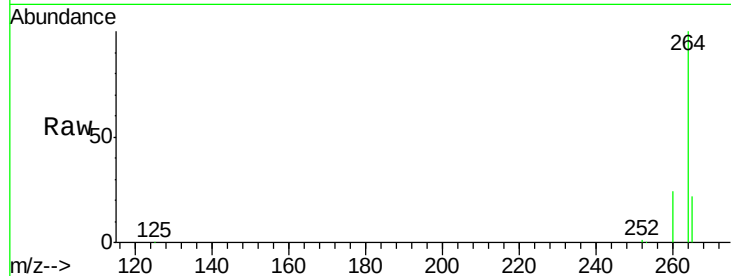


#25
Perylene-d12
Concen: 5.00 ng
RT: 27.42 min Scan# 4819
Delta R.T. 0.00 min
Lab File: BE089842.D
Acq: 25 Mar 2015 18:06

Instrument :
BNA_E
ClientSampleId :
RW-10V

Tgt Ion: 264 Resp: 544034

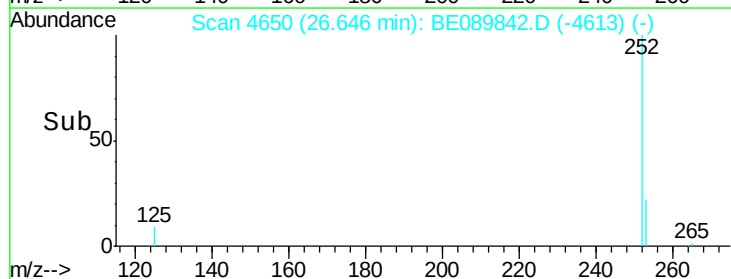
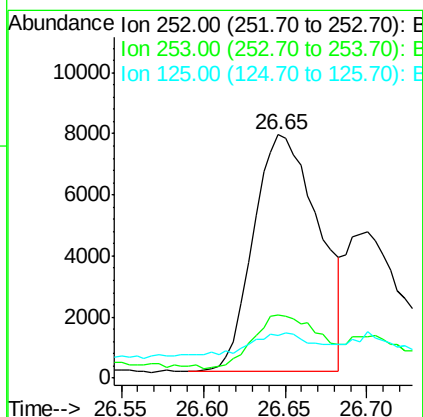
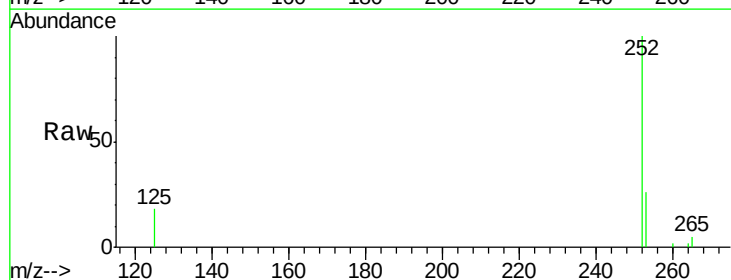
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.2
265	21.7	17.3	25.9

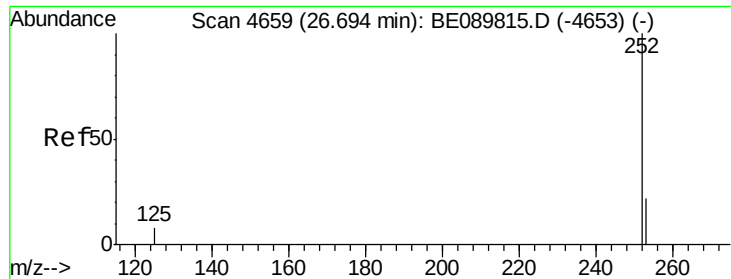


#26
Benzo(b)fluoranthene
Concen: 0.49 ng
RT: 26.65 min Scan# 4650
Delta R.T. 0.01 min
Lab File: BE089842.D
Acq: 25 Mar 2015 18:06

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: 0.11 ng m

RT: 26.70 min Scan# 4662

Delta R.T. 0.00 min

Lab File: BE089842.D

Acq: 25 Mar 2015 18:06

Instrument :

BNA_E

ClientSampleId :

RW-10V

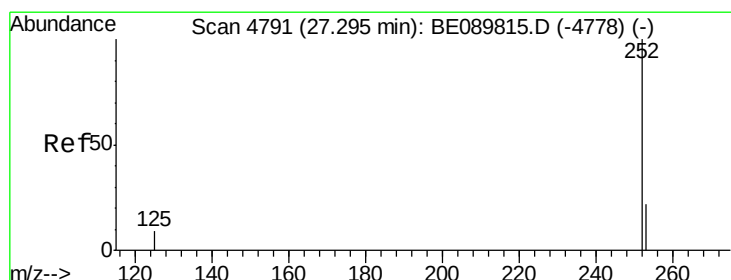
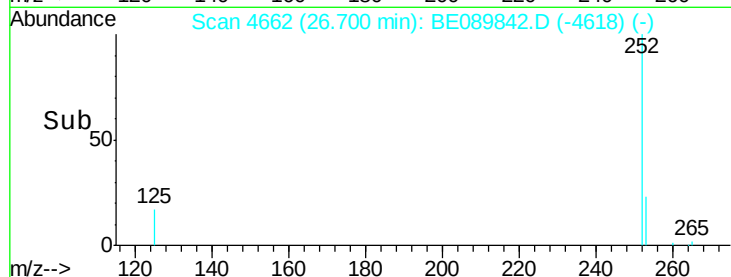
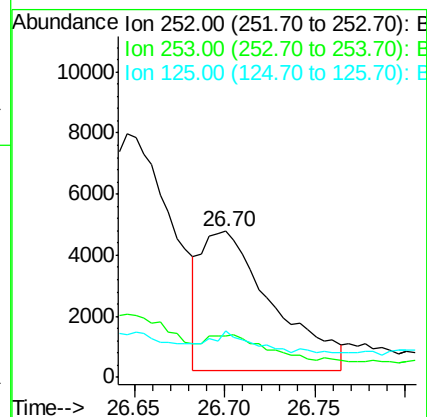
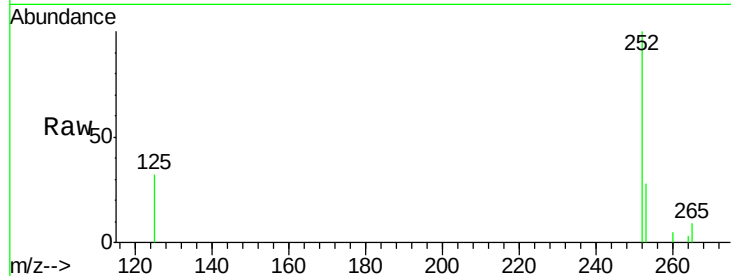
Tgt Ion:252 Resp: 12578

Ion Ratio Lower Upper

252 100

253 27.9 18.6 28.0

125 31.6 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

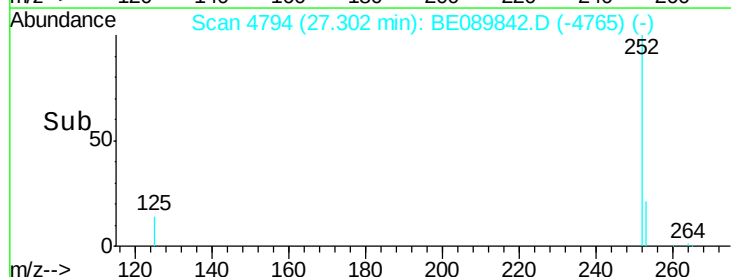
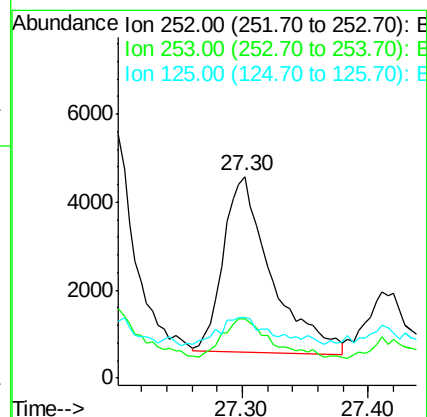
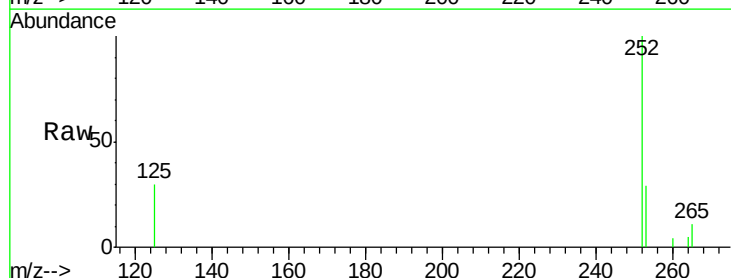
Tgt Ion:252 Resp: 10529

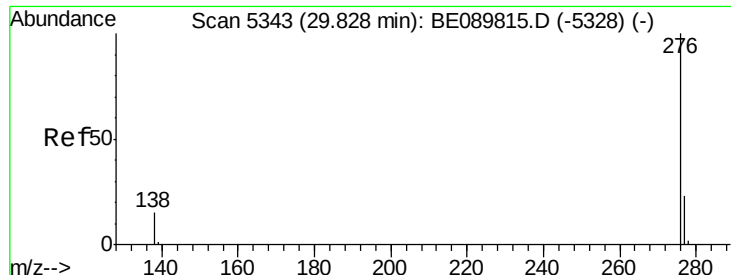
Ion Ratio Lower Upper

252 100

253 29.3 21.0 31.4

125 30.2 13.3 19.9#





#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

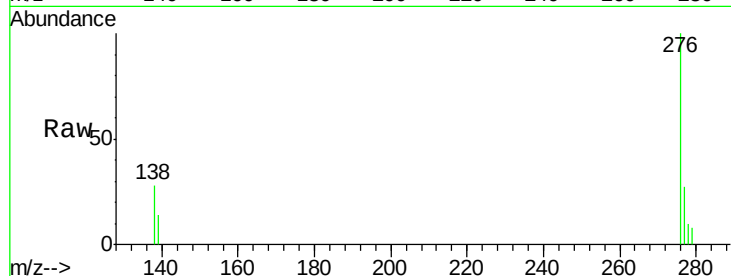
Acq: 25 Mar 2015 18:06

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

