

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021715\
 Data File : BE089590.D
 Acq On : 17 Feb 2015 5:34
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 17 10:55:33 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 17 10:44:47 2015
 Response via : Initial Calibration

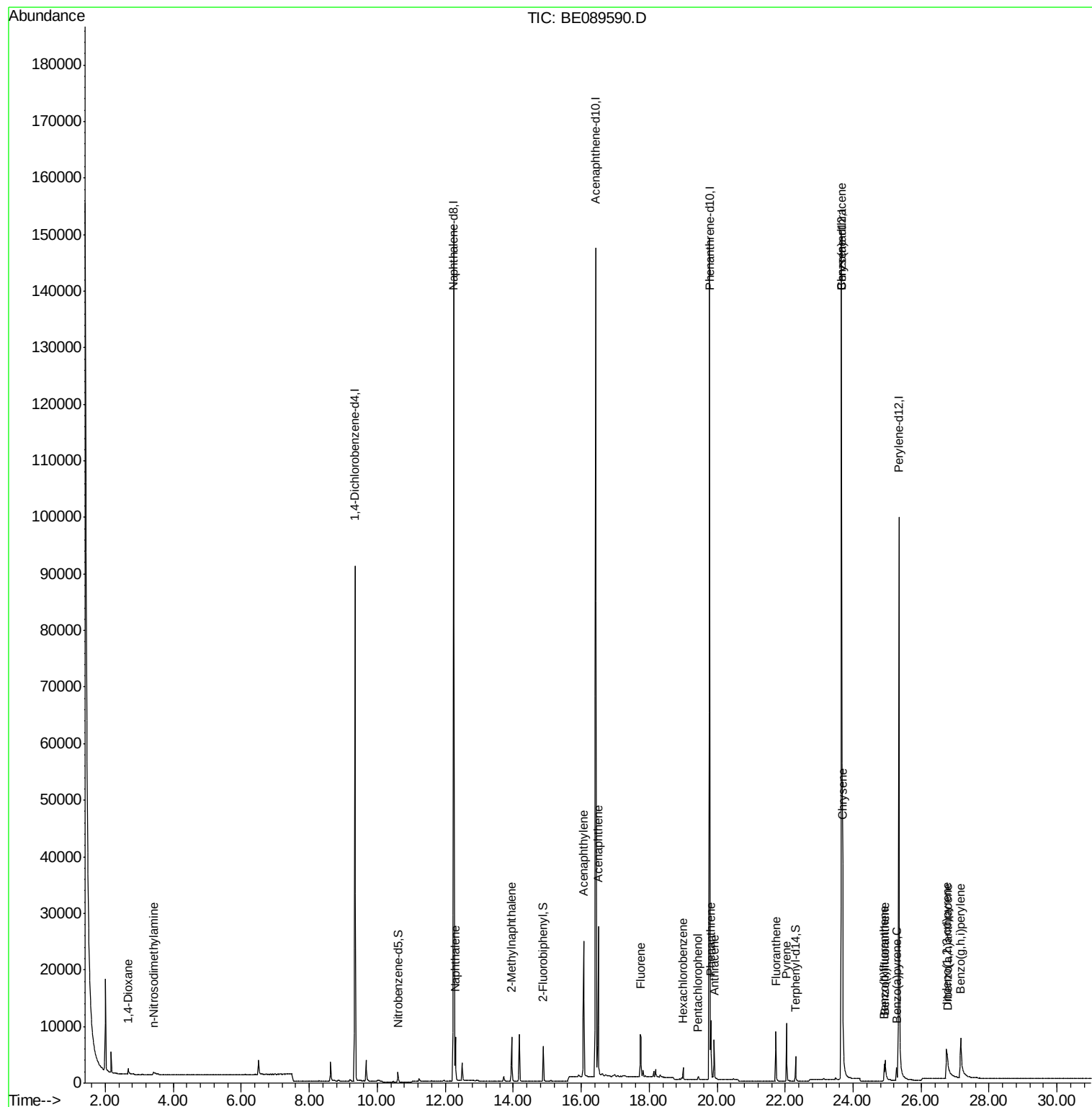
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	38879	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	166265	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	84100	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	150139	5.00	ng	0.00
19) Chrysene-d12	23.66	240	120068	5.00	ng	0.00
25) Perylene-d12	25.35	264	102174	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	1270	0.17	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	5475	0.20	ng	0.00
21) Terphenyl-d14	22.31	244	4446	0.20	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	2.67	88	995	0.19	ng	# 90
3) n-Nitrosodimethylamine	3.42	42	681	0.13	ng	# 56
6) Naphthalene	12.30	128	8548	0.20	ng	99
7) 2-Methylnaphthalene	13.95	142	5191	0.19	ng	99
10) Acenaphthylene	16.07	152	30103	0.19	ng	99
11) Acenaphthene	16.50	154	5441	0.21	ng	97
12) Fluorene	17.74	166	5879	0.20	ng	98
14) Hexachlorobenzene	19.00	284	1634	0.19	ng	# 88
15) Pentachlorophenol	19.44	266	444	0.18	ng	94
16) Phenanthrene	19.82	178	9506	0.21	ng	99
17) Anthracene	19.91	178	6863	0.19	ng	99
18) Fluoranthene	21.72	202	6941	0.18	ng	99
20) Pyrene	22.04	202	7636	0.20	ng	99
22) Benzo(a)anthracene	23.65	228	22008	0.18	ng	95
23) Chrysene	23.69	228	31988	0.22	ng	98
24) Indeno(1,2,3-cd)pyrene	26.75	276	15974	0.15	ng	95
26) Benzo(b)fluoranthene	24.91	252	3125	0.15	ng	96
27) Benzo(k)fluoranthene	24.94	252	6043	0.18	ng	97
28) Benzo(a)pyrene	25.28	252	2924	0.15	ng	95
29) Dibenzo(a,h)anthracene	26.78	278	2630	0.13	ng	# 91
30) Benzo(g,h,i)perylene	27.16	276	17014	0.17	ng	95

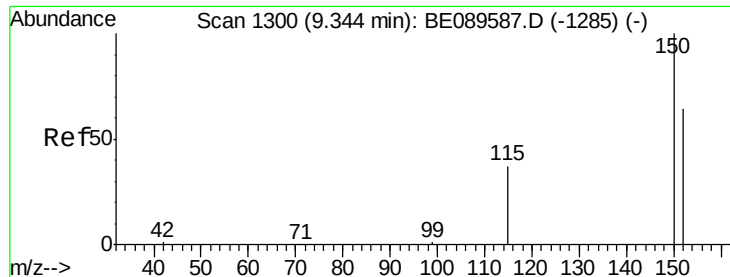
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampleId :

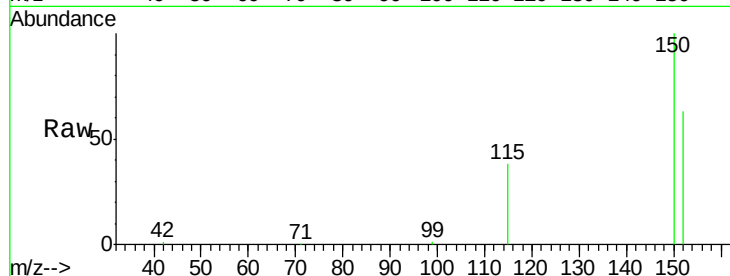
Tot Ion:152 Resp: 38879

Ion Ratio Lower Upper

152 100

150 159.2 125.3 187.9

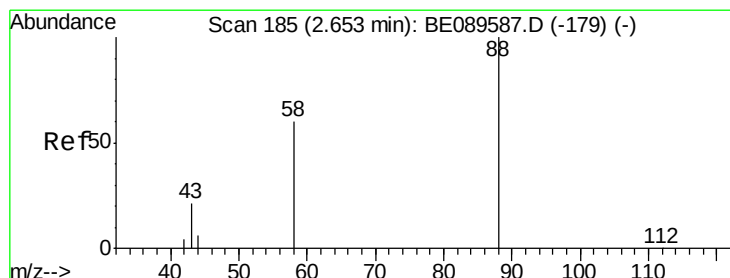
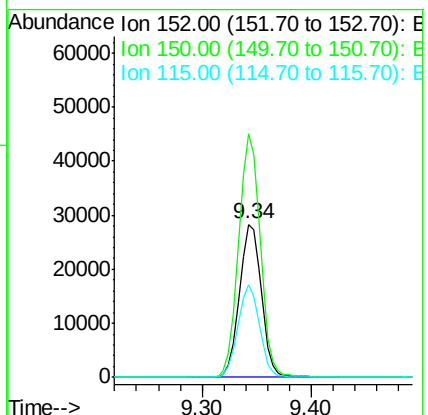
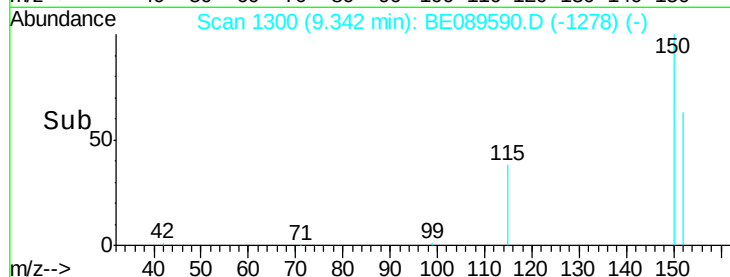
115 60.4 47.0 70.4



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: 0.19 ng

RT: 2.67 min Scan# 187

Delta R.T. 0.01 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

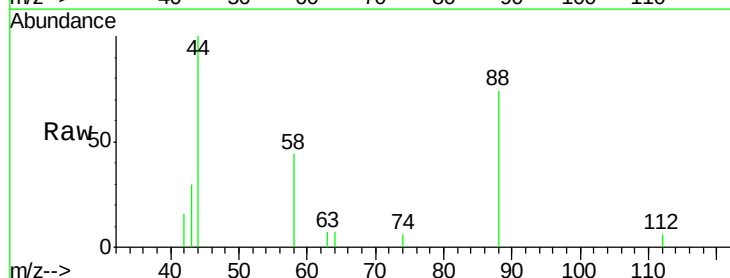
Tgt Ion: 88 Resp: 995

Ion Ratio Lower Upper

88 100

58 73.7 53.0 79.4

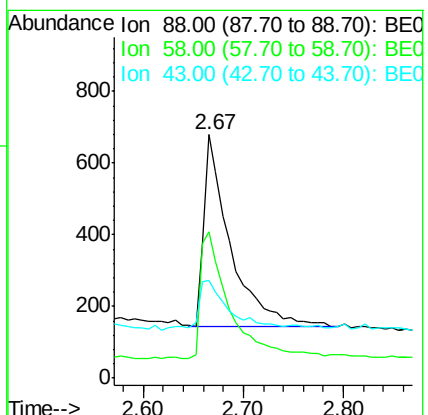
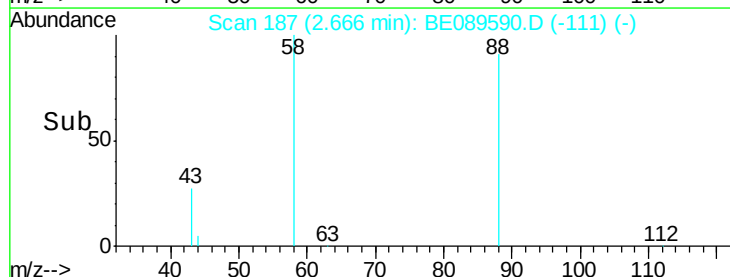
43 31.0 19.9 29.9#

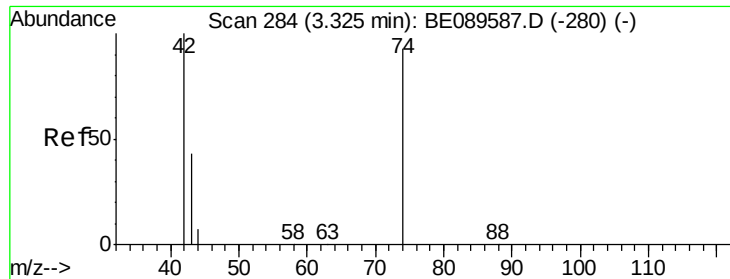


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



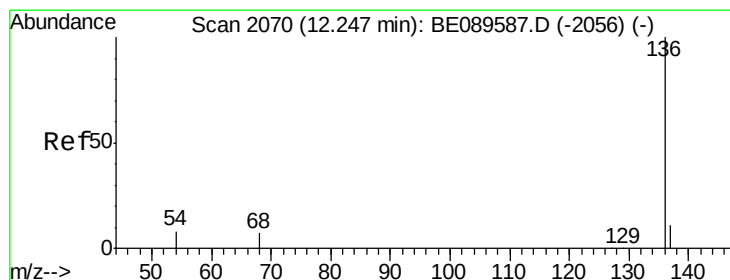
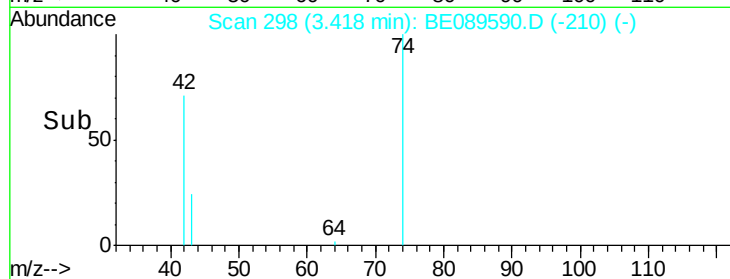
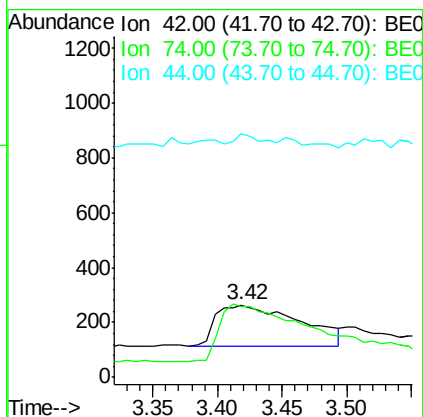
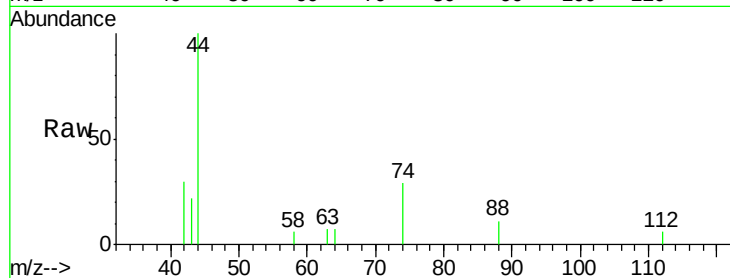


#3

n-Nitrosodimethylamine
 Concen: 0.13 ng
 RT: 3.42 min Scan# 298
 Delta R.T. 0.09 min
 Lab File: BE089590.D
 Acq: 17 Feb 2015 5:34

Instrument :
 BNA_E
 ClientSampleId :

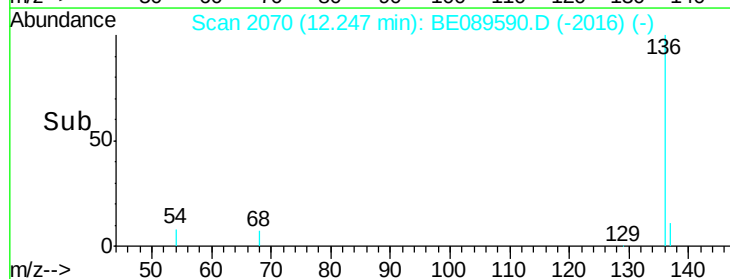
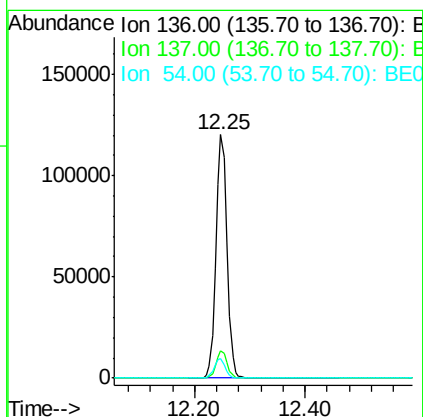
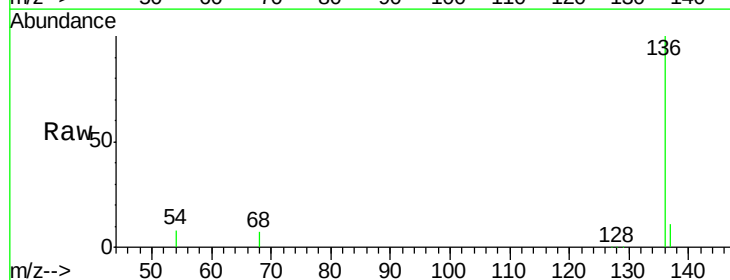
Tot Ion: 42 Resp: 681
 Ion Ratio Lower Upper
 42 100
 74 198.8 114.2 171.4#
 44 6.3 3.6 5.4#

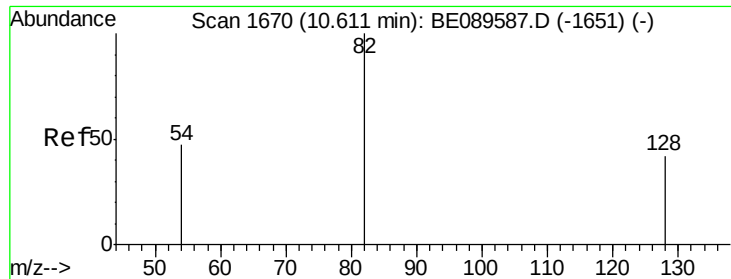


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: BE089590.D
 Acq: 17 Feb 2015 5:34

Tgt Ion: 136 Resp: 166265
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 7.9 6.2 9.2





#5

Nitrobenzene-d5

Concen: 0.17 ng

RT: 10.61 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampleId :

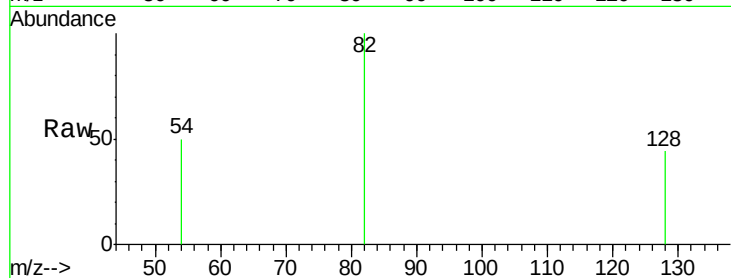
Tot Ion: 82 Resp: 1270

Ion Ratio Lower Upper

82 100

128 44.1 34.2 51.2

54 50.4 38.4 57.6



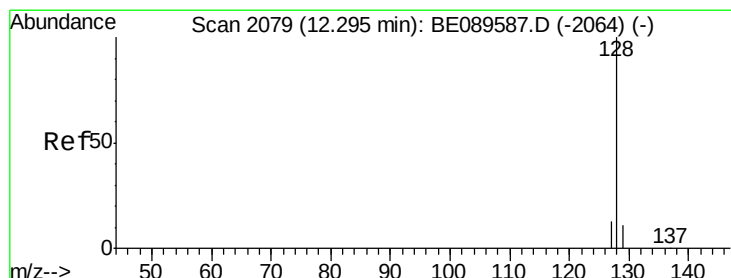
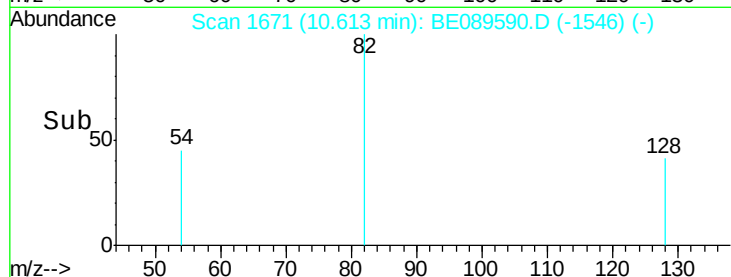
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

10.61

Time-->



#6

Naphthalene

Concen: 0.20 ng

RT: 12.30 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

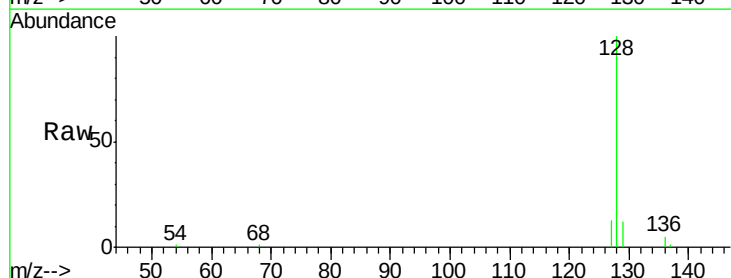
Tgt Ion: 128 Resp: 8548

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

127 13.3 10.2 15.4



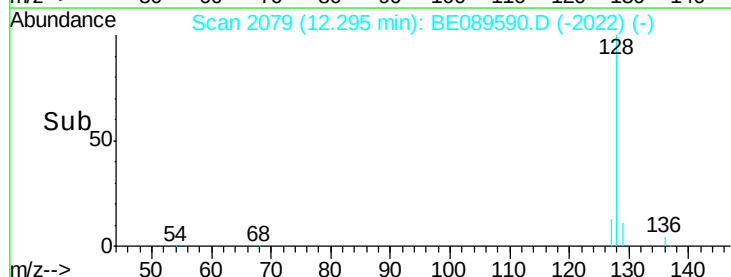
Abundance Ion 128.00 (127.70 to 128.70): E

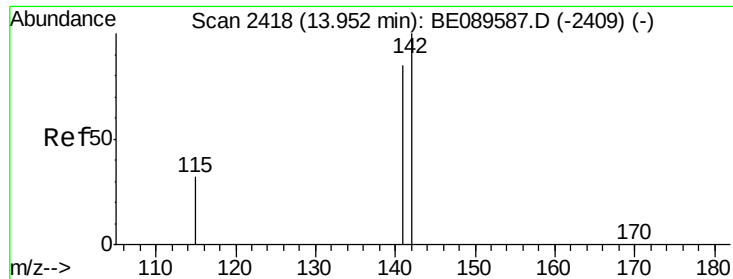
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

12.30

Time-->





#7

2-Methylnaphthalene

Concen: 0.19 ng

RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampleId :

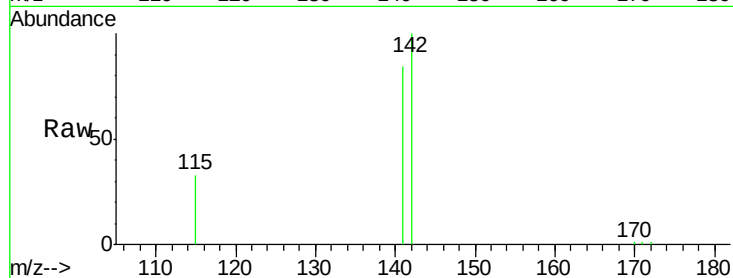
Tot Ion:142 Resp: 5191

Ion Ratio Lower Upper

142 100

141 83.7 68.1 102.1

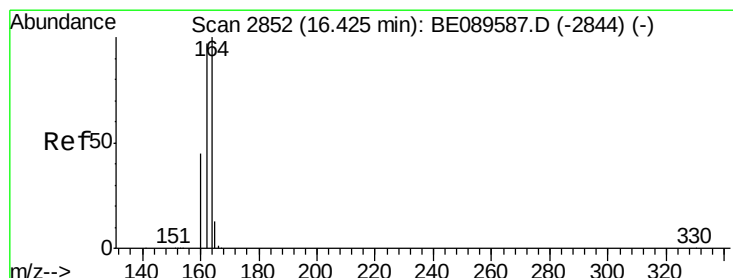
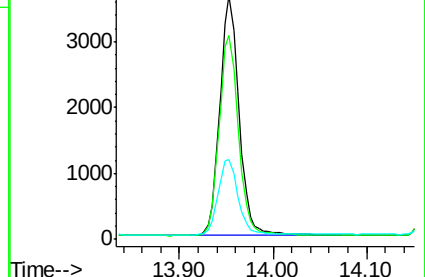
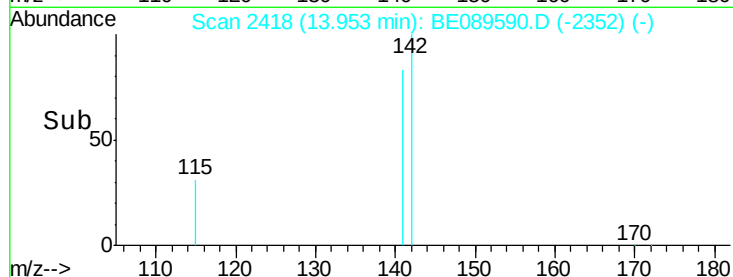
115 32.5 25.8 38.8



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: 16.42 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

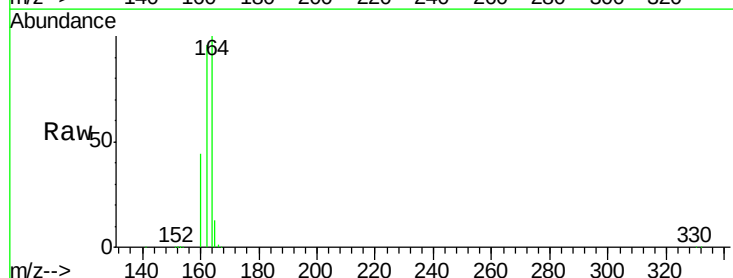
Tgt Ion:164 Resp: 84100

Ion Ratio Lower Upper

164 100

162 95.6 77.8 116.8

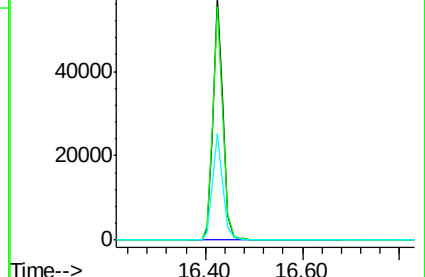
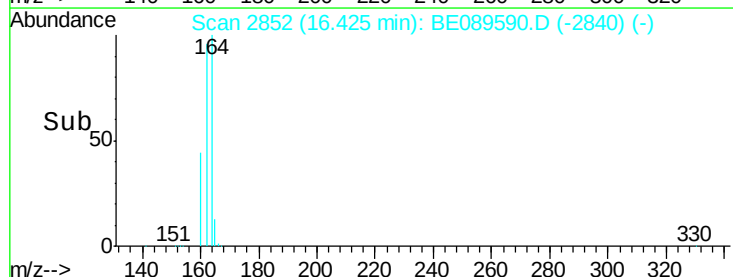
160 44.1 35.8 53.6

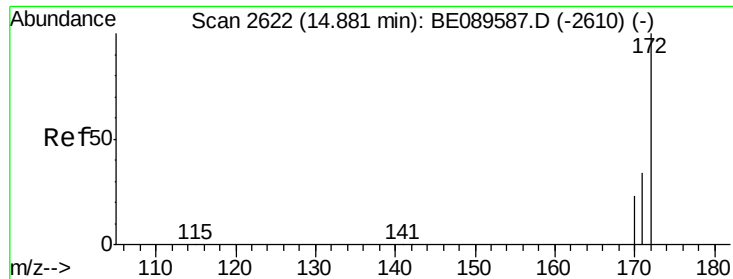


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.20 ng

RT: 14.88 min Scan# 2622

Delta R.T. 0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampleId :

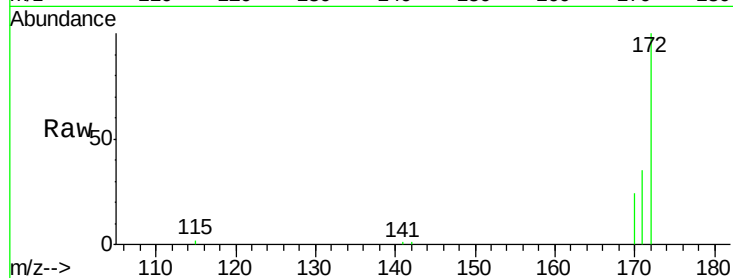
Tot Ion:172 Resp: 5475

Ion Ratio Lower Upper

172 100

171 35.0 27.4 41.0

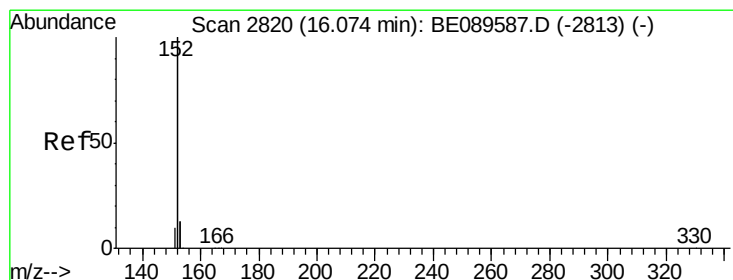
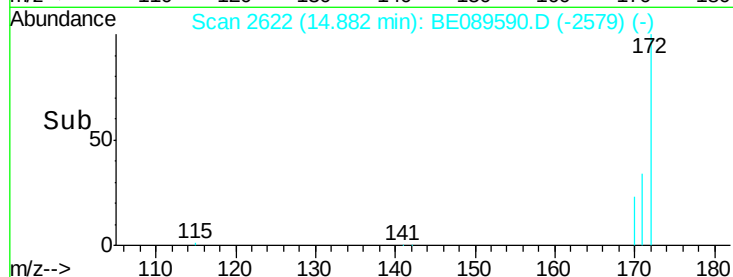
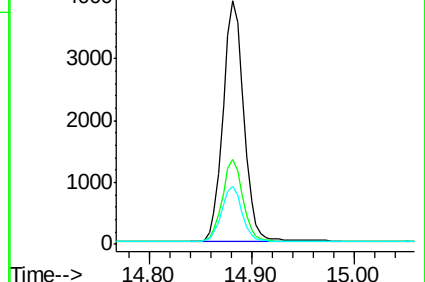
170 23.9 18.6 27.8



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



#10

Acenaphthylene

Concen: 0.19 ng

RT: 16.07 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

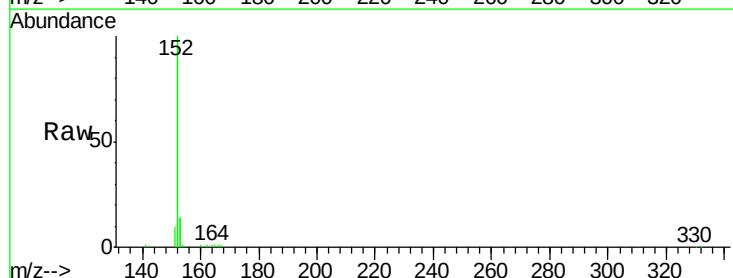
Tgt Ion:152 Resp: 30103

Ion Ratio Lower Upper

152 100

151 5.0 3.8 5.8

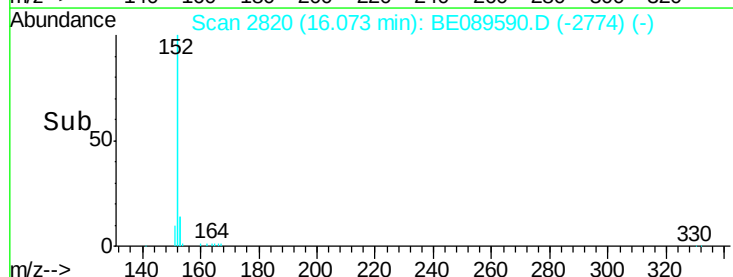
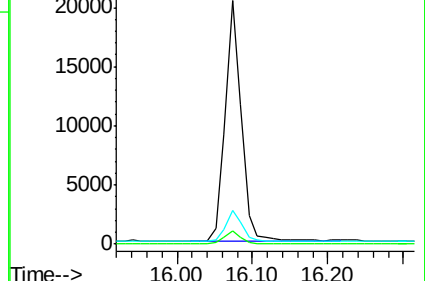
153 13.5 10.4 15.6

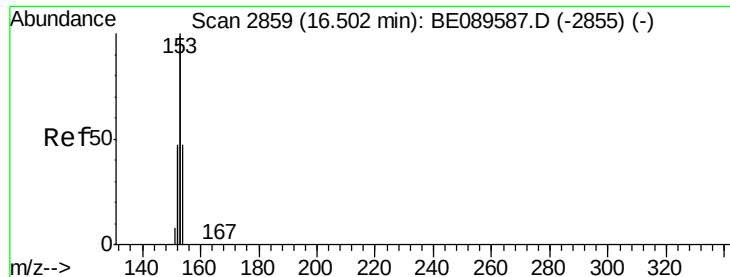


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.21 ng

RT: 16.50 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampleId :

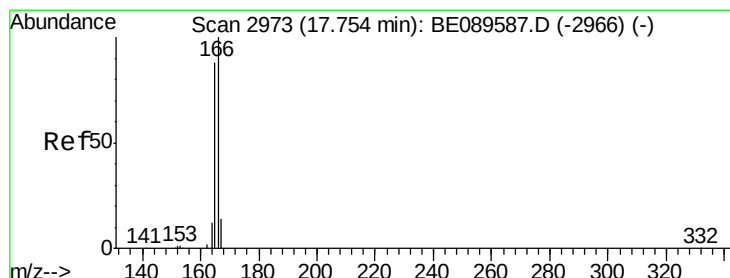
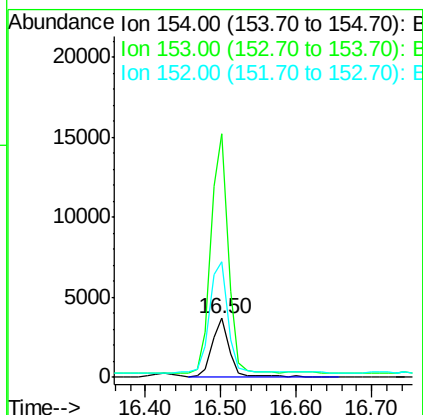
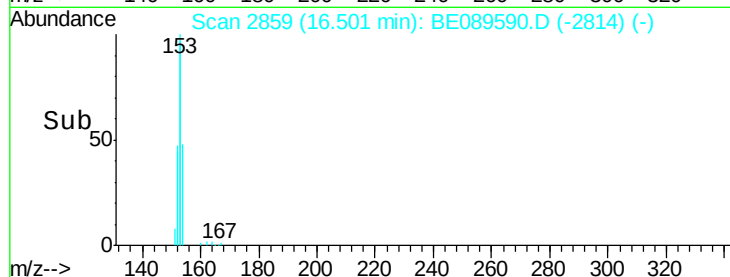
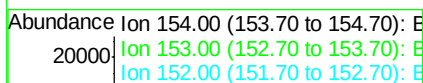
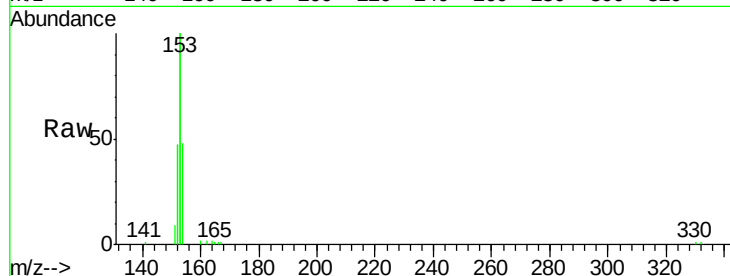
Tot Ion:154 Resp: 5441

Ion Ratio Lower Upper

154 100

153 437.3 346.6 519.8

152 219.3 169.0 253.6



#12

Fluorene

Concen: 0.20 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.01 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

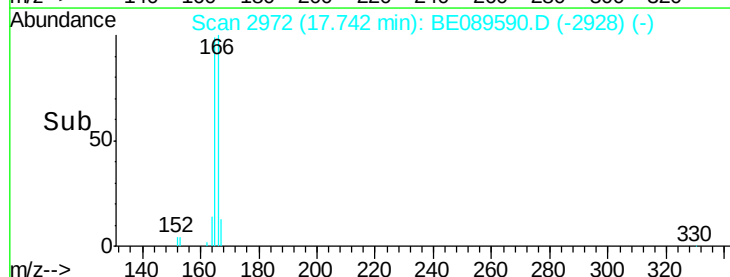
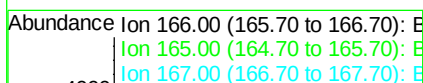
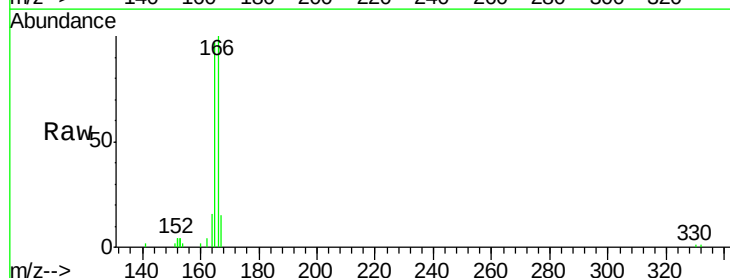
Tgt Ion:166 Resp: 5879

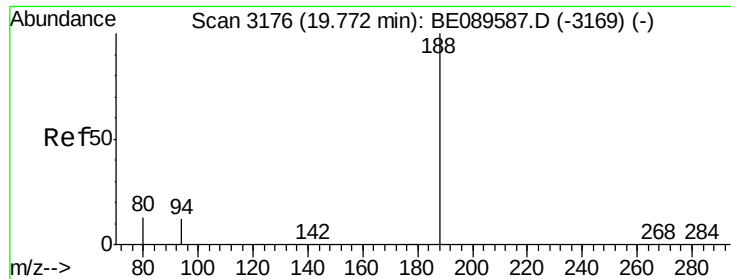
Ion Ratio Lower Upper

166 100

165 93.8 73.8 110.6

167 14.0 10.6 15.8

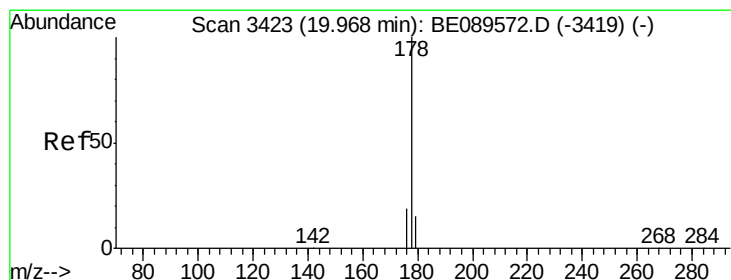
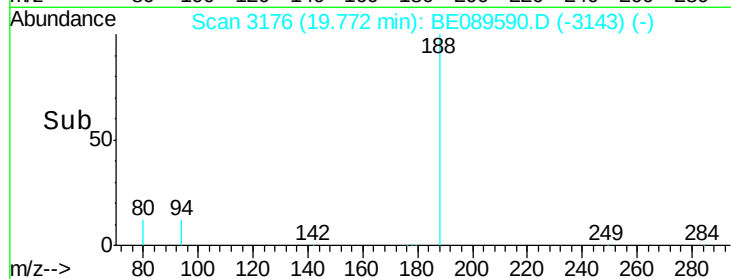
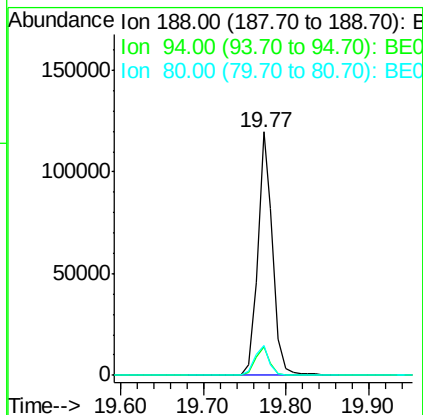
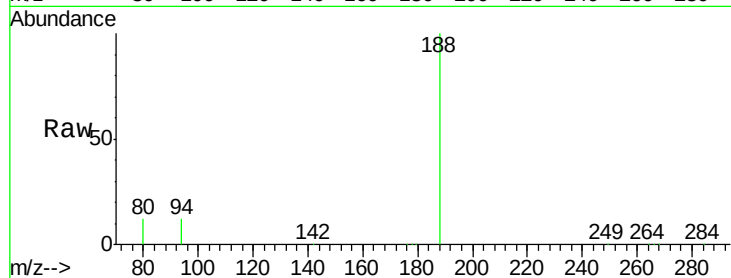




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BE089590.D
Acq: 17 Feb 2015 5:34

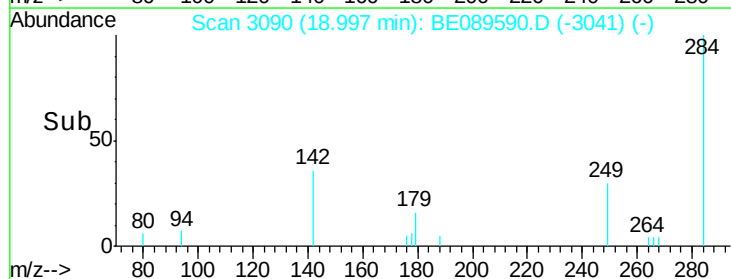
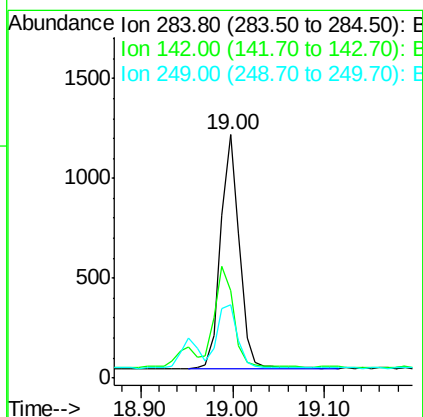
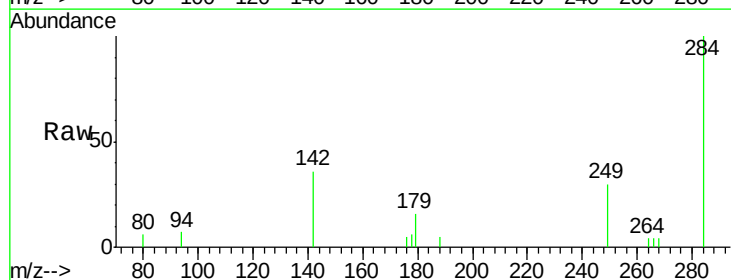
Instrument :
BNA_E
ClientSampleId :

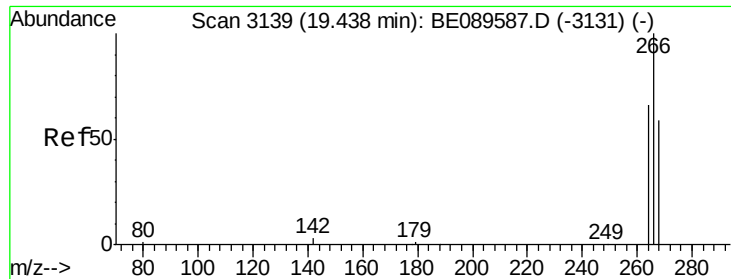
Tot Ion:188 Resp: 150139
Ion Ratio Lower Upper
188 100
94 11.9 9.8 14.8
80 12.2 10.2 15.4



#14
Hexachlorobenzene
Concen: 0.19 ng
RT: 19.00 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BE089590.D
Acq: 17 Feb 2015 5:34

Tgt Ion:284 Resp: 1634
Ion Ratio Lower Upper
284 100
142 53.0 33.1 49.7#
249 29.9 22.8 34.2

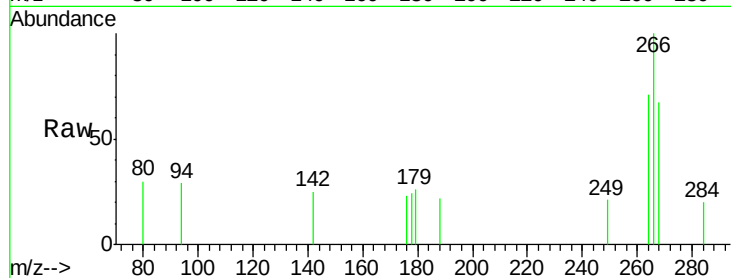




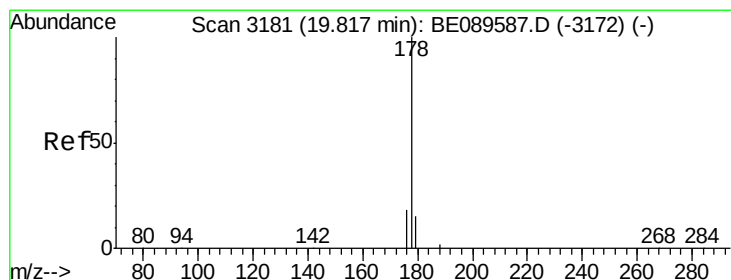
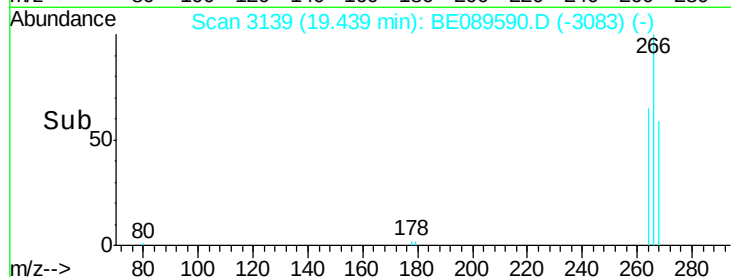
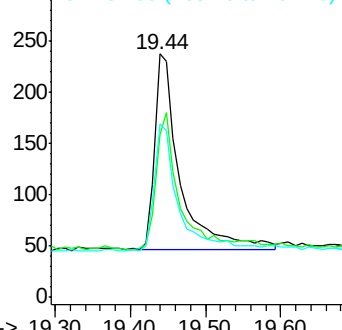
#15
 Pentachlorophenol
 Concen: 0.18 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.00 min
 Lab File: BE089590.D
 Acq: 17 Feb 2015 5:34

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:266 Resp: 444
 Ion Ratio Lower Upper
 266 100
 268 66.8 48.8 73.2
 264 71.0 53.9 80.9

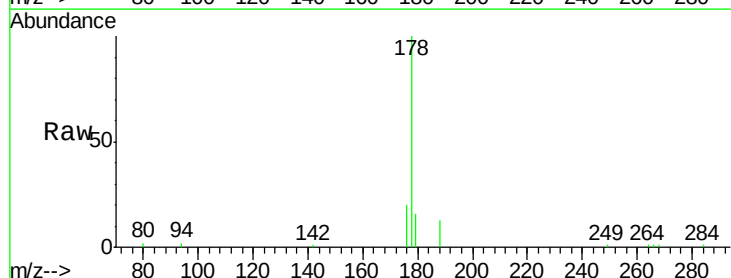


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

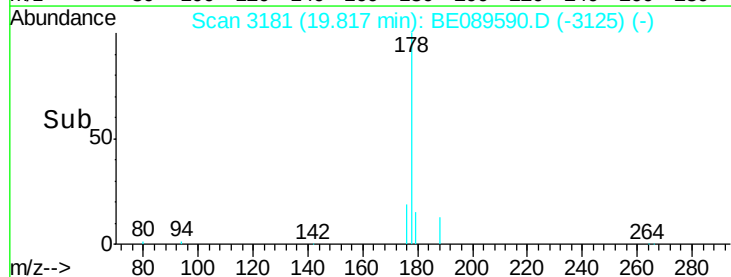
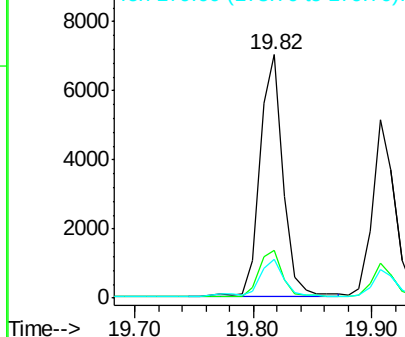


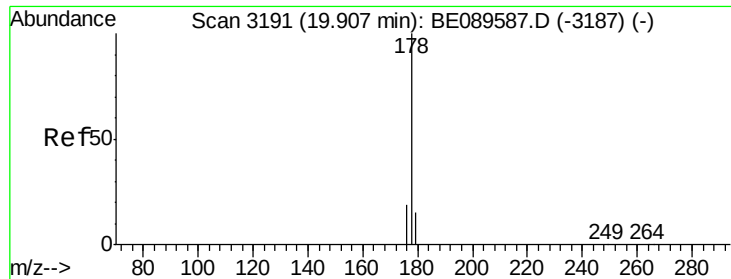
#16
 Phenanthrene
 Concen: 0.21 ng
 RT: 19.82 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: BE089590.D
 Acq: 17 Feb 2015 5:34

Tgt Ion:178 Resp: 9506
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.2 22.8
 179 16.3 12.4 18.6



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

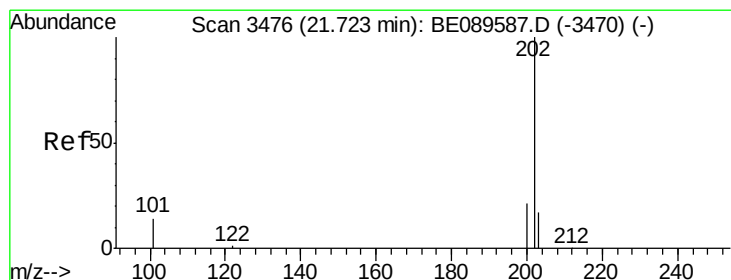
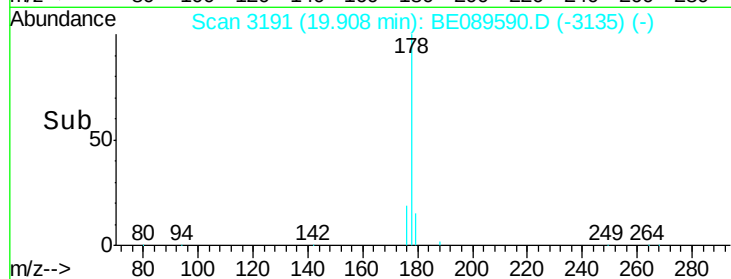
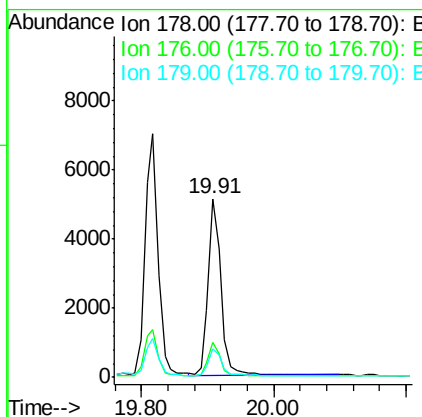
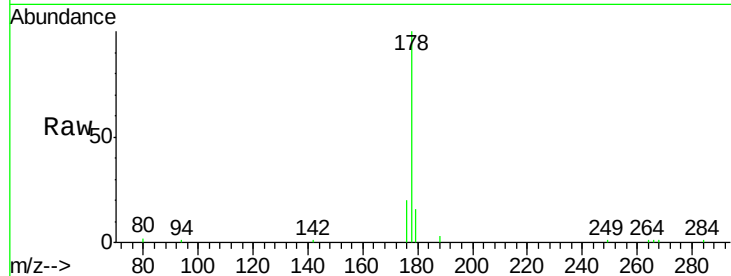




#17
 Anthracene
 Concen: 0.19 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. 0.00 min
 Lab File: BE089590.D
 Acq: 17 Feb 2015 5:34

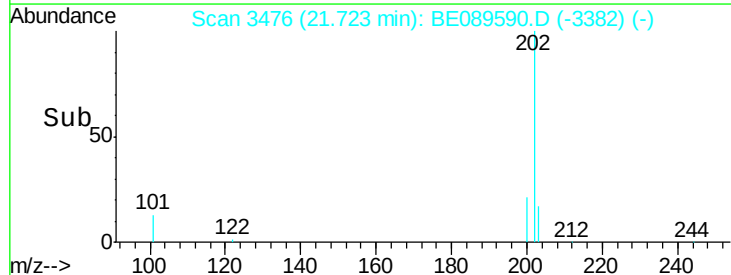
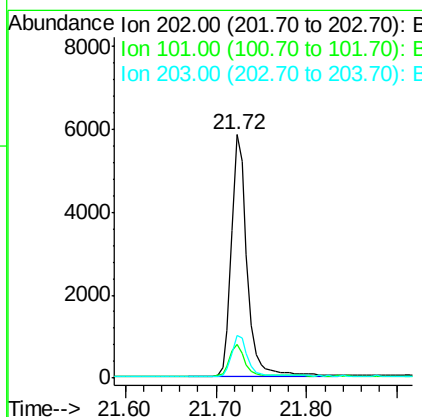
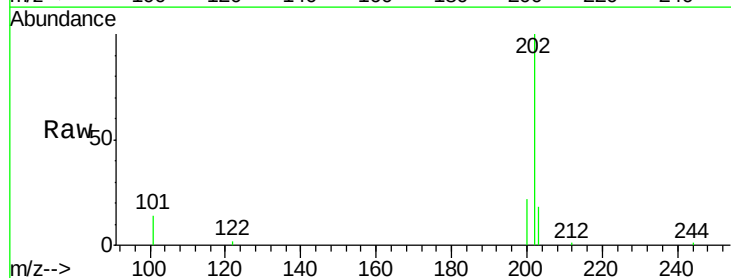
Instrument :
 BNA_E
 ClientSampleId :

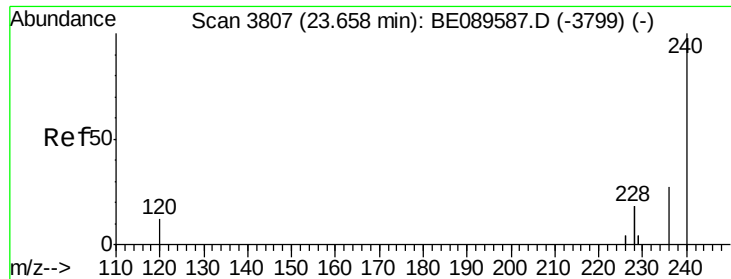
Tot Ion:178 Resp: 6863
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.7 22.1
 179 15.1 12.2 18.2



#18
 Fluoranthene
 Concen: 0.18 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. 0.00 min
 Lab File: BE089590.D
 Acq: 17 Feb 2015 5:34

Tgt Ion:202 Resp: 6941
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.3 15.5
 203 17.5 13.8 20.6





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3807

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampleId :

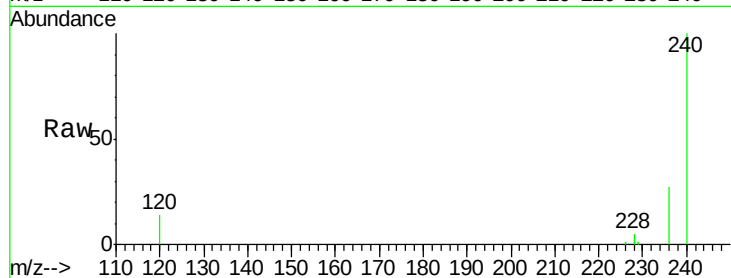
Tot Ion:240 Resp: 120068

Ion Ratio Lower Upper

240 100

120 14.5 9.9 14.9

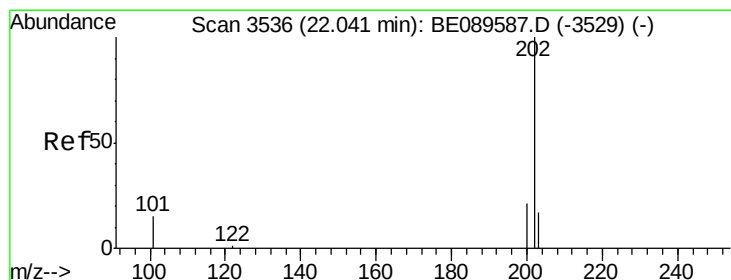
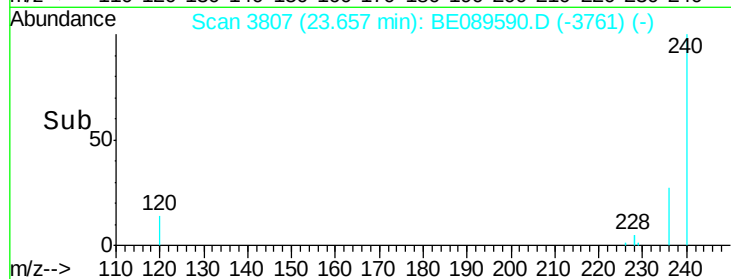
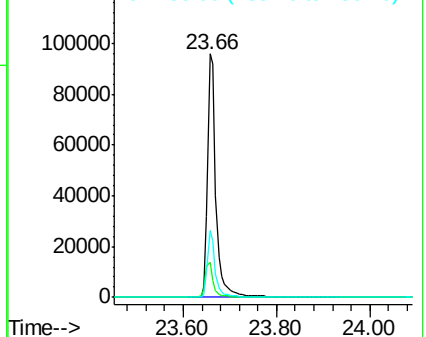
236 27.5 21.5 32.3



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: 0.20 ng

RT: 22.04 min Scan# 3536

Delta R.T. 0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

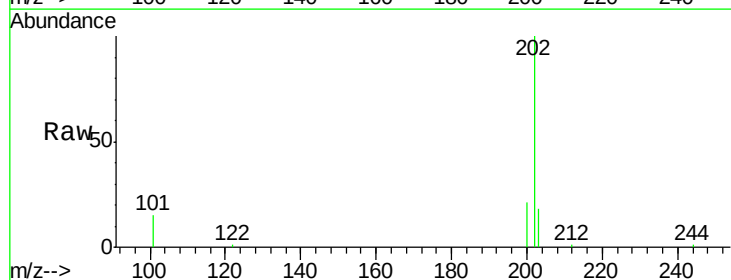
Tgt Ion:202 Resp: 7636

Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

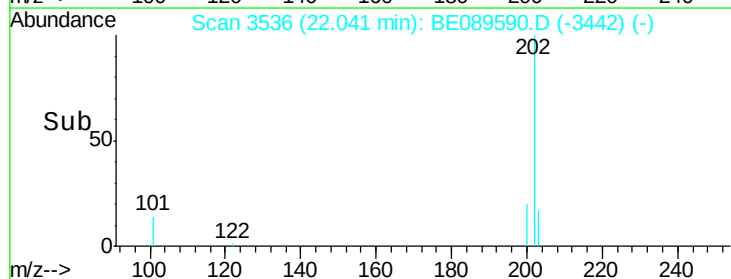
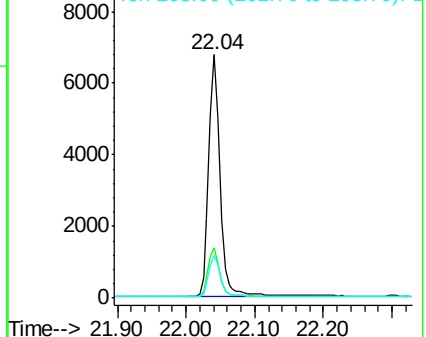
203 17.3 13.8 20.8

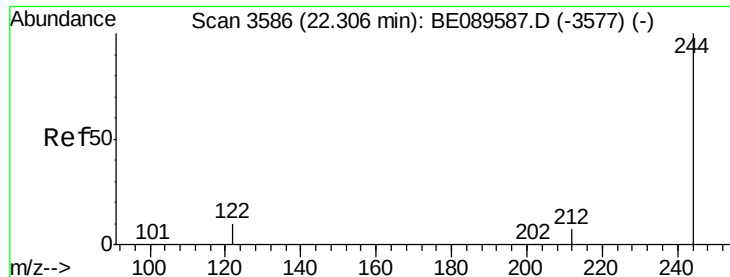


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.20 ng

RT: 22.31 min Scan# 3586

Delta R.T. 0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampleId :

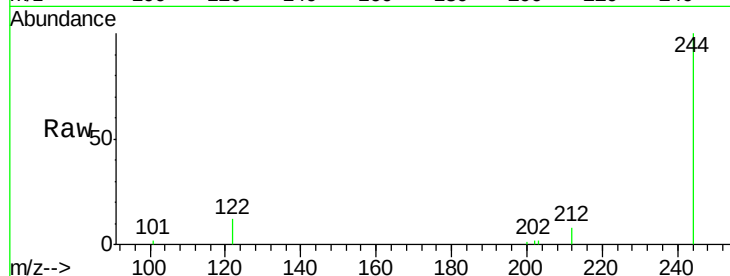
Tot Ion:244 Resp: 4446

Ion Ratio Lower Upper

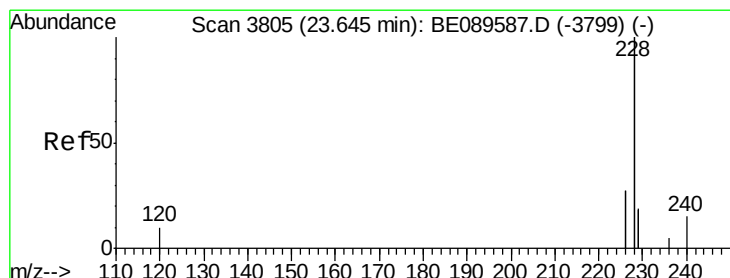
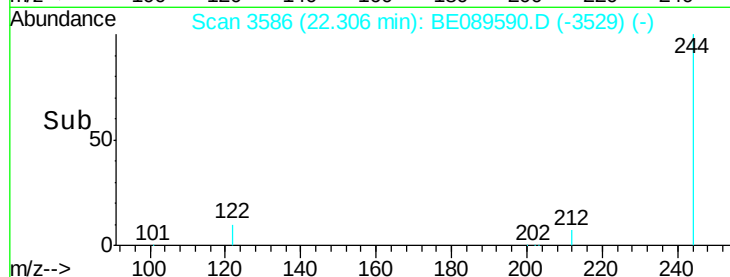
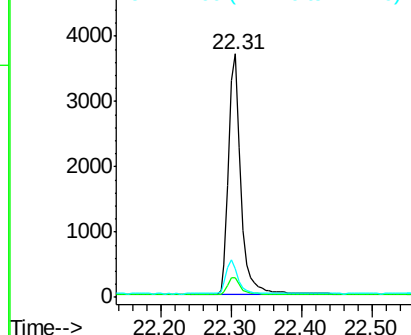
244 100

212 8.0 5.5 8.3

122 11.8 8.6 12.8



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: 0.18 ng

RT: 23.65 min Scan# 3806

Delta R.T. 0.01 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

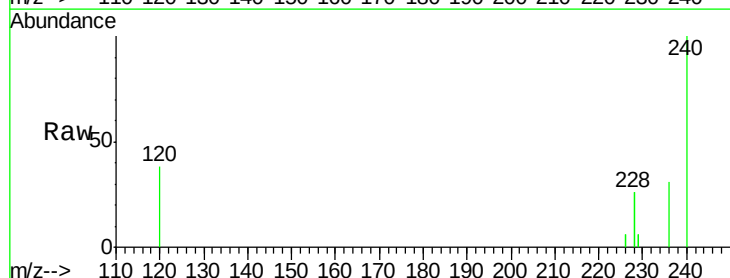
Tgt Ion:228 Resp: 22008

Ion Ratio Lower Upper

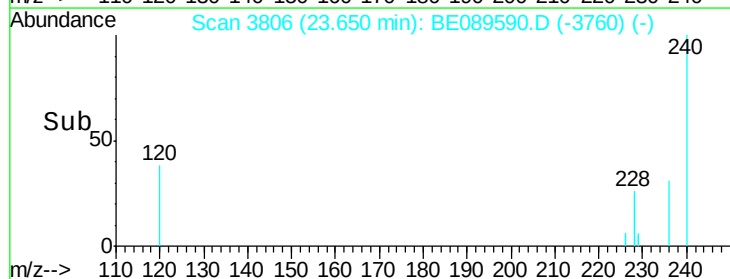
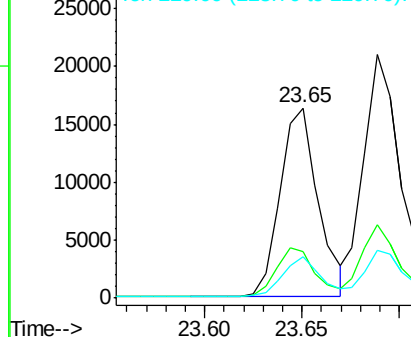
228 100

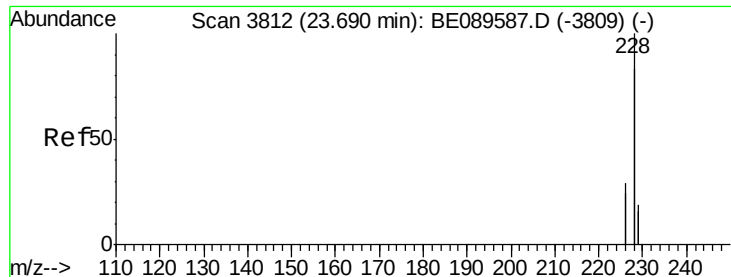
226 24.5 21.5 32.3

229 21.6 15.0 22.4



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: 0.22 ng

RT: 23.69 min Scan# 3812

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampled :

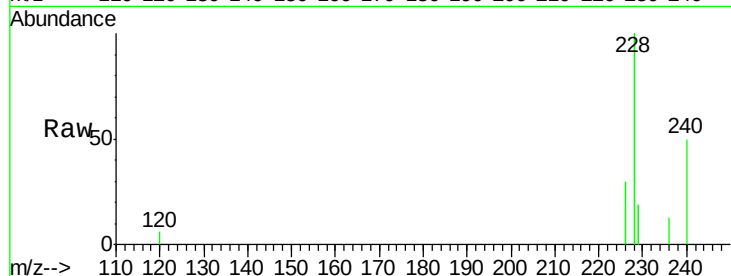
Tot Ion:228 Resp: 31988

Ion Ratio Lower Upper

228 100

226 30.4 23.3 34.9

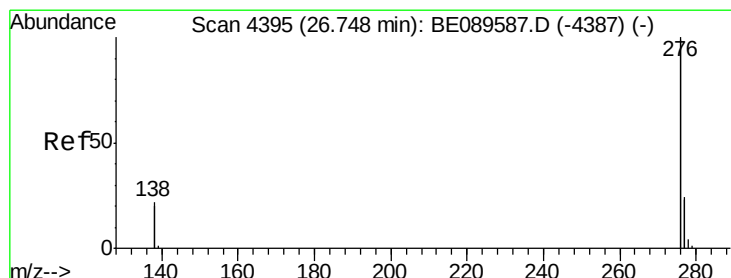
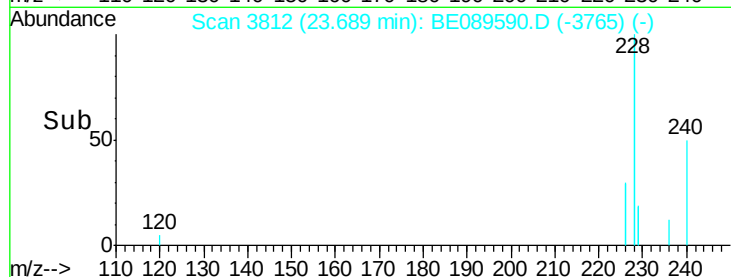
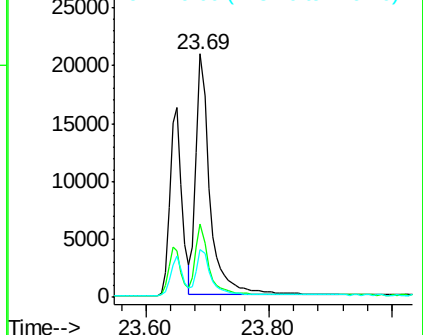
229 19.4 15.4 23.2



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: 0.15 ng

RT: 26.75 min Scan# 4395

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

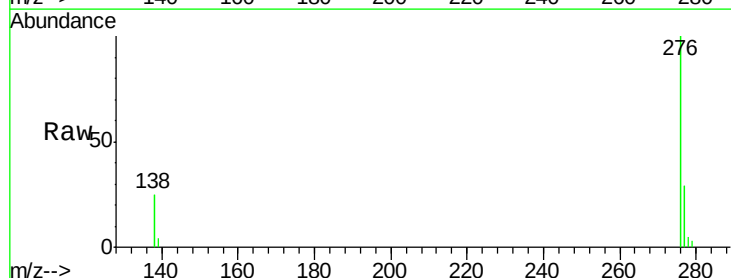
Tgt Ion:276 Resp: 15974

Ion Ratio Lower Upper

276 100

138 23.6 21.0 31.6

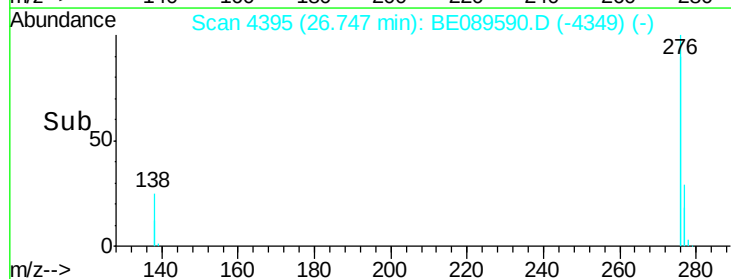
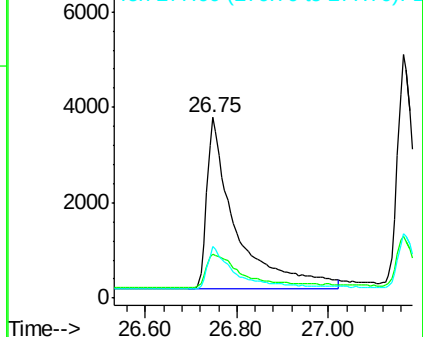
277 22.2 20.0 30.0

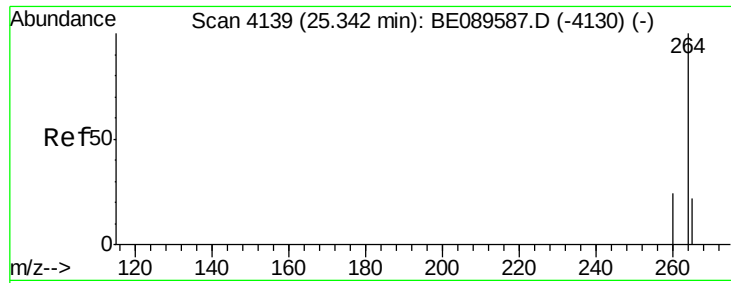


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

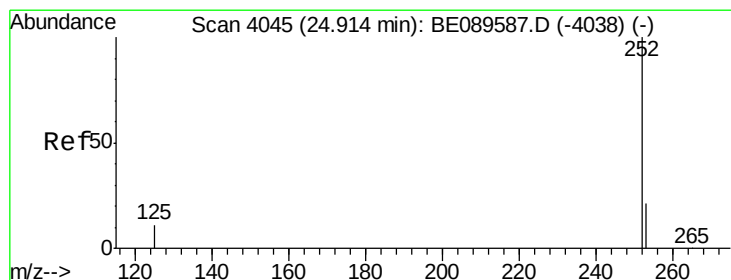
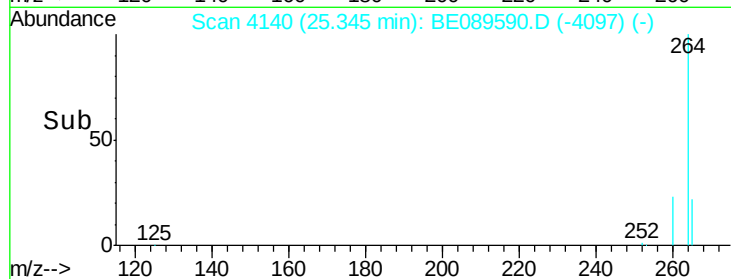
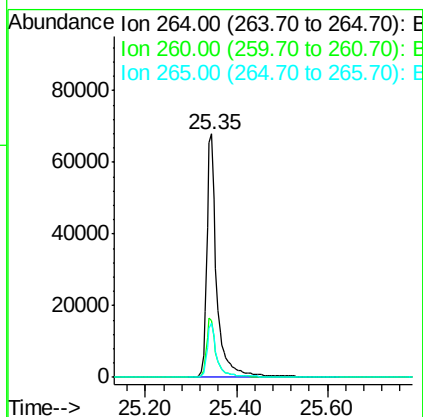
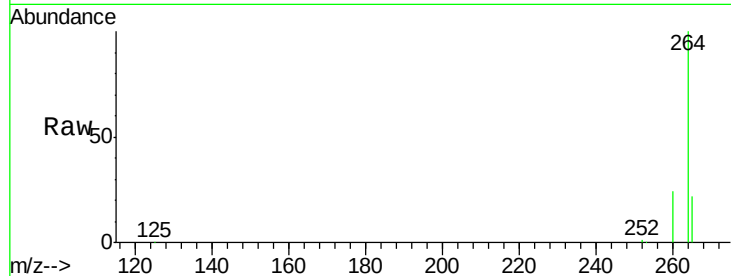




#25
Pervlene-d12
Concen: 5.00 ng
RT: 25.35 min Scan# 4140
Delta R.T. 0.00 min
Lab File: BE089590.D
Acq: 17 Feb 2015 5:34

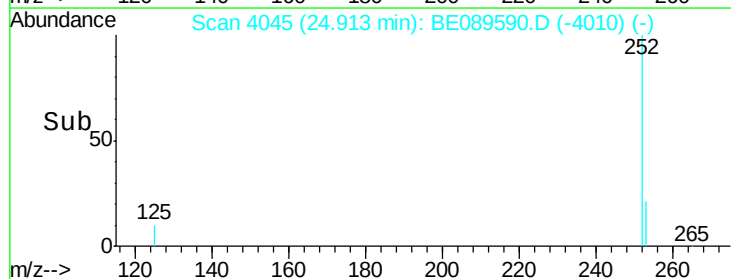
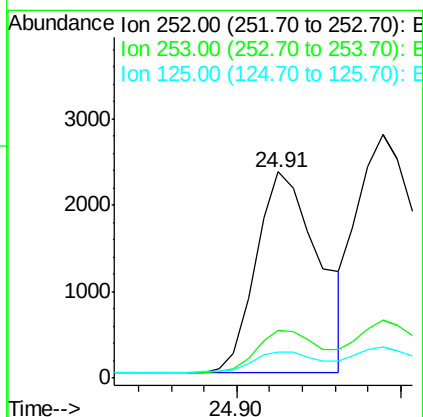
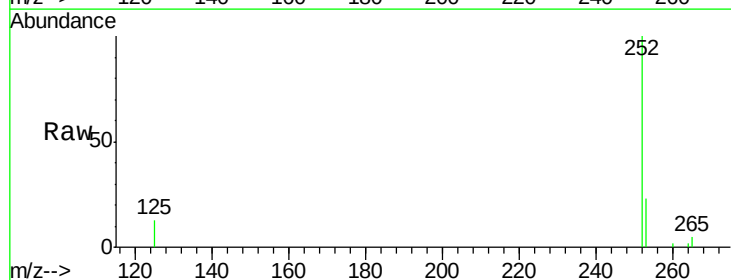
Instrument :
BNA_E
ClientSampleId :

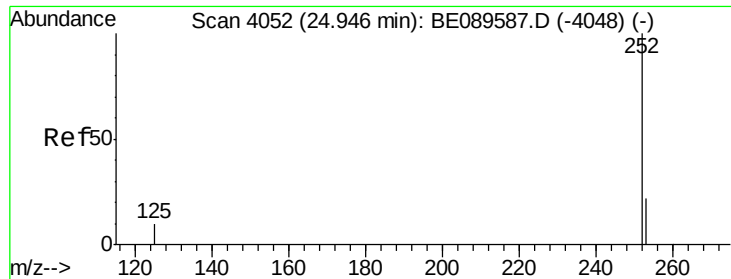
Tot Ion:264 Resp: 102174
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.0
265 22.0 17.4 26.0



#26
Benzo(b)fluoranthene
Concen: 0.15 ng
RT: 24.91 min Scan# 4045
Delta R.T. -0.00 min
Lab File: BE089590.D
Acq: 17 Feb 2015 5:34

Tgt Ion:252 Resp: 3125
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 12.6 8.9 13.3





#27

Benzo(k)fluoranthene

Concen: 0.18 ng

RT: 24.94 min Scan# 4052

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

Instrument :

BNA_E

ClientSampleId :

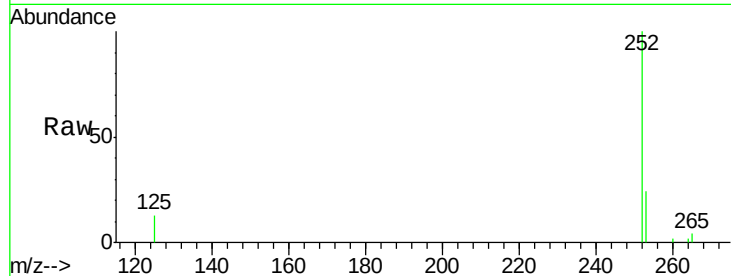
Tot Ion:252 Resp: 6043

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

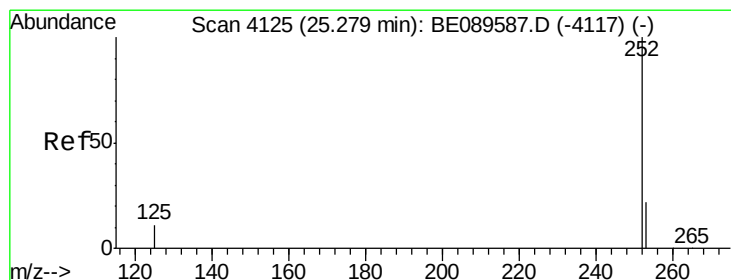
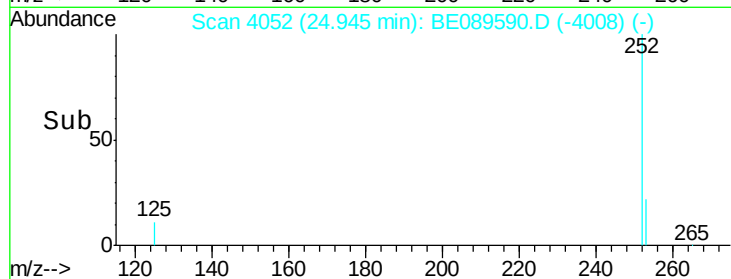
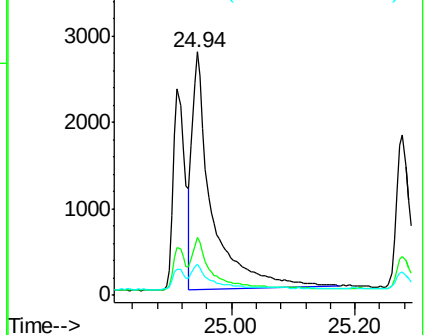
125 12.7 8.6 13.0



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: 0.15 ng

RT: 25.28 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BE089590.D

Acq: 17 Feb 2015 5:34

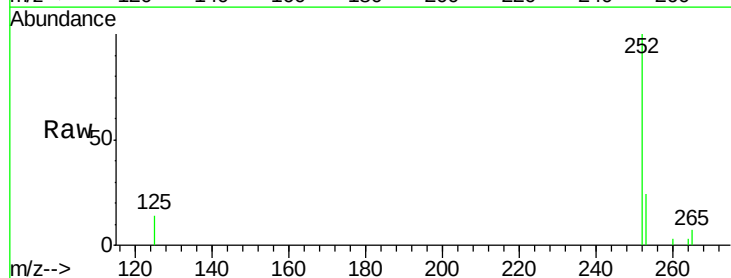
Tgt Ion:252 Resp: 2924

Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

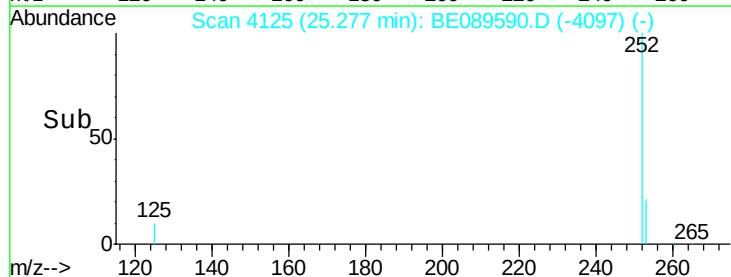
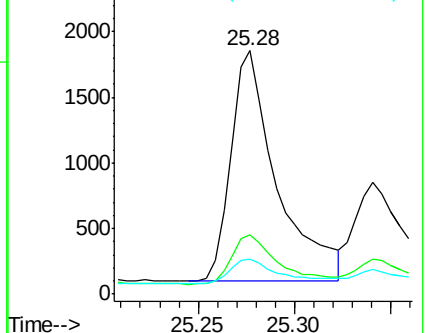
125 14.3 9.6 14.4

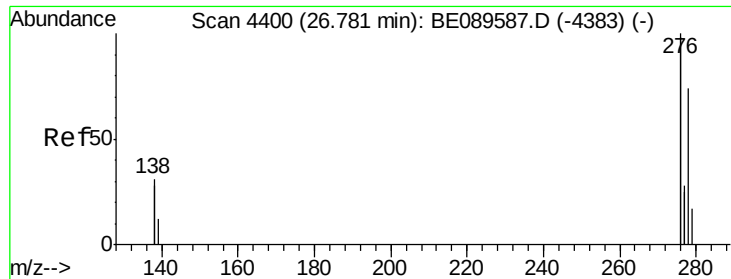


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

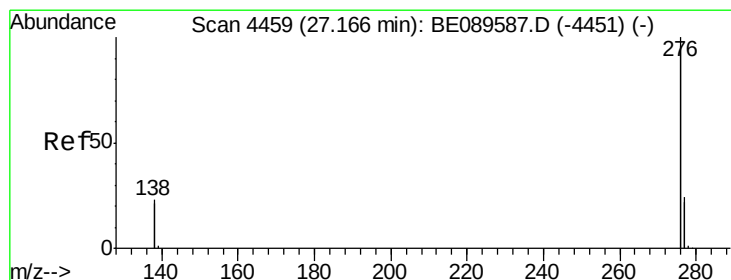
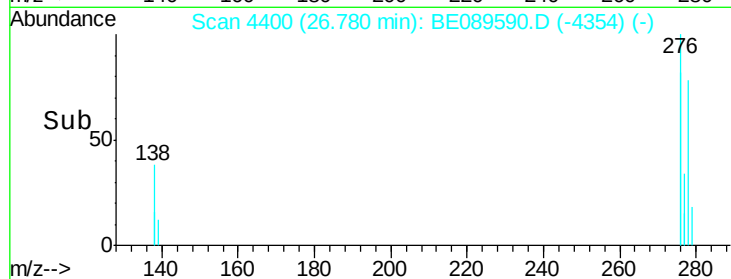
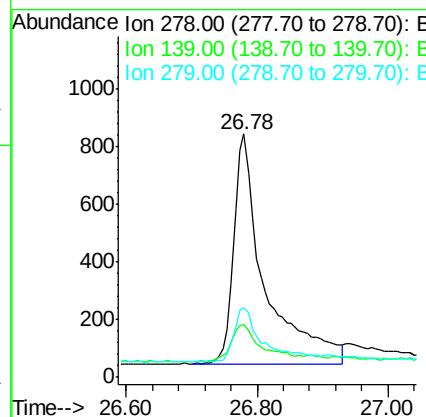
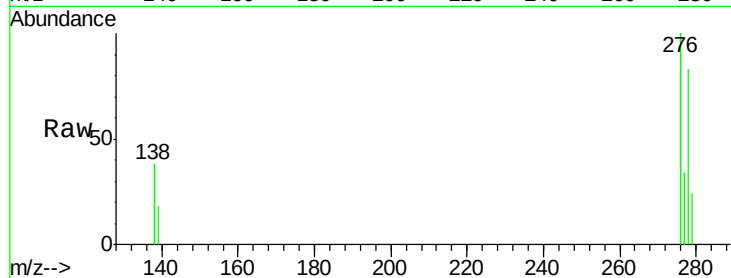




#29
Dibenzo(a,h)anthracene
Concen: 0.13 ng
RT: 26.78 min Scan# 4400
Delta R.T. -0.00 min
Lab File: BE089590.D
Acq: 17 Feb 2015 5:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 2630
Ion Ratio Lower Upper
278 100
139 21.5 13.9 20.9#
279 28.4 19.5 29.3



#30
Benzo(g,h,i)perylene
Concen: 0.17 ng
RT: 27.16 min Scan# 4459
Delta R.T. -0.00 min
Lab File: BE089590.D
Acq: 17 Feb 2015 5:34

Tgt Ion:276 Resp: 17014
Ion Ratio Lower Upper
276 100
277 26.3 19.1 28.7
138 25.4 18.5 27.7

