

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE030316\
 Data File : BE091427.D
 Acq On : 3 Mar 2016 17:53
 Operator : UM/IZ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Quant Time: Mar 04 03:19:18 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 03:11:46 2016
 Response via : Initial Calibration

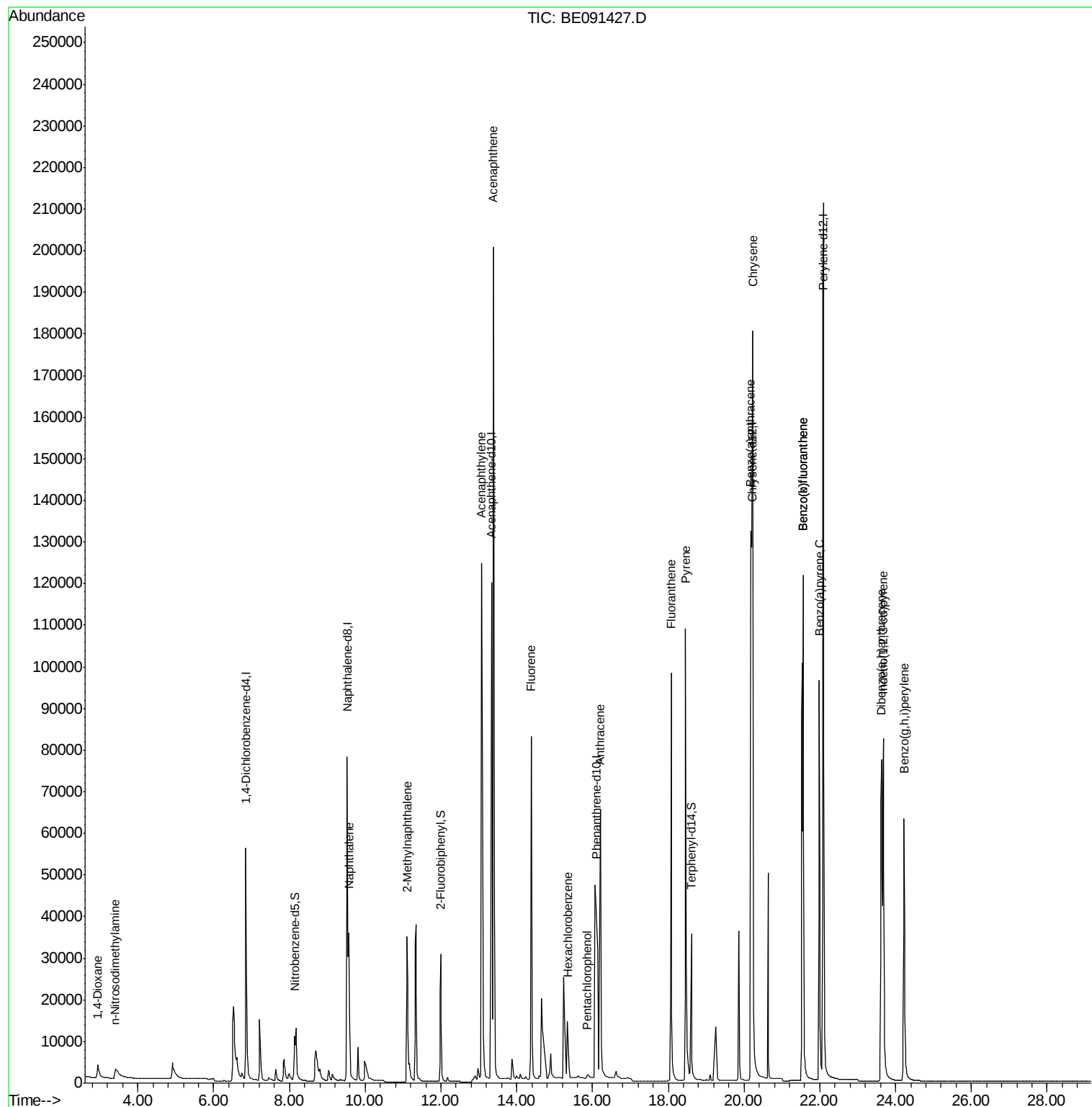
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	31150	5.00	ng	-0.02
4) Naphthalene-d8	9.53	136	144182	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	84128	5.00	ng	0.00
13) Phenanthrene-d10	16.10	188	99787	5.00	ng	0.00
19) Chrysene-d12	20.21	240	228899	5.00	ng	0.00
25) Perylene-d12	22.09	264	269176	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.13	82	13367	1.68	ng	-0.05
9) 2-Fluorobiphenyl	11.99	172	35361	1.62	ng	-0.01
21) Terphenyl-d14	18.61	244	56816	1.65	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.93	88	4816	0.93	ng	84
3) n-Nitrosodimethylamine	3.40	42	6146	14.23	ng	# 84
6) Naphthalene	9.57	128	54733	1.78	ng	97
7) 2-Methylnaphthalene	11.10	142	33646	1.82	ng	98
10) Acenaphthylene	13.06	152	244192	2.18	ng	# 76
11) Acenaphthene	13.38	154	40712	1.96	ng	# 100
12) Fluorene	14.39	166	59940	2.19	ng	98
14) Hexachlorobenzene	15.34	284	8155	1.78	ng	# 100
15) Pentachlorophenol	15.86	266	1955	4.42	ng	# 81
17) Anthracene	16.20	178	153035	6.70	ng	# 85
18) Fluoranthene	18.07	202	109415	4.32	ng	98
20) Pyrene	18.46	202	113753	2.17	ng	100
22) Benzo(a)anthracene	20.17	228	148417	3.14	ng	96
23) Chrysene	20.24	228	129573	2.02	ng	98
24) Indeno(1,2,3-cd)pyrene	23.67	276	140345	3.08	ng	94
26) Benzo(b)fluoranthene	21.56	252	250845	4.51	ng	100
27) Benzo(k)fluoranthene	21.56	252	251928	3.82	ng	94
28) Benzo(a)pyrene	21.99	252	111845	2.19	ng	98
29) Dibenzo(a,h)anthracene	23.63	278	108106	2.54	ng	99
30) Benzo(g,h,i)perylene	24.22	276	114794	2.10	ng	96

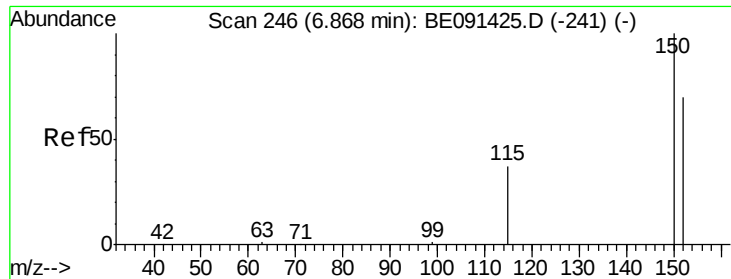
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.85 min Scan# 245

Delta R.T. -0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

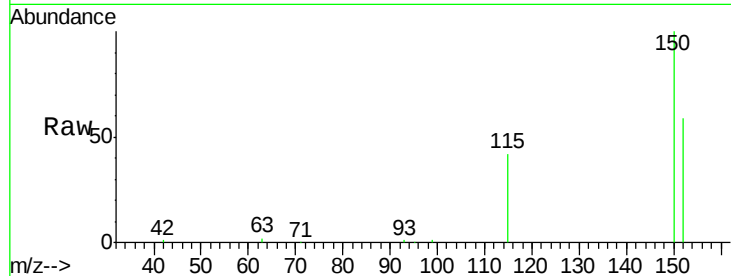
Tgt Ion:152 Resp: 31150

Ion Ratio Lower Upper

152 100

150 168.4 115.0 172.4

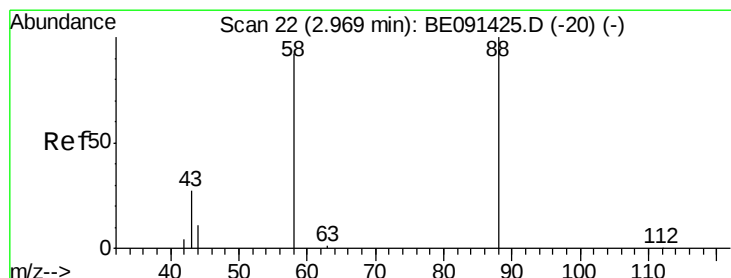
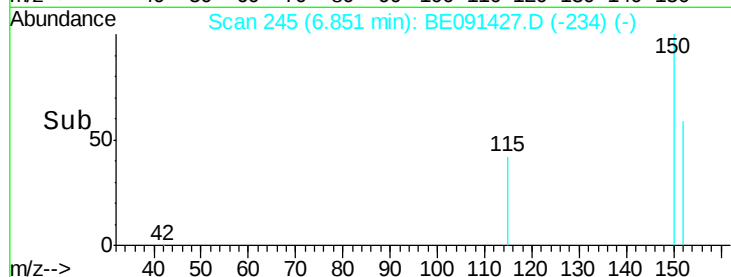
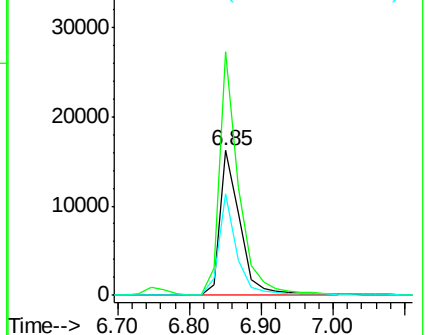
115 70.6 42.2 63.4#



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: 0.93 ng

RT: 2.93 min Scan# 20

Delta R.T. -0.04 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

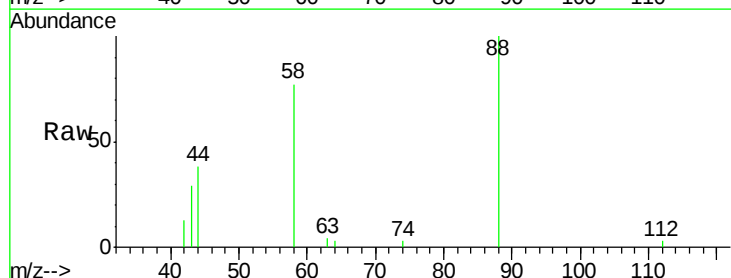
Tgt Ion: 88 Resp: 4816

Ion Ratio Lower Upper

88 100

58 99.6 96.9 145.3

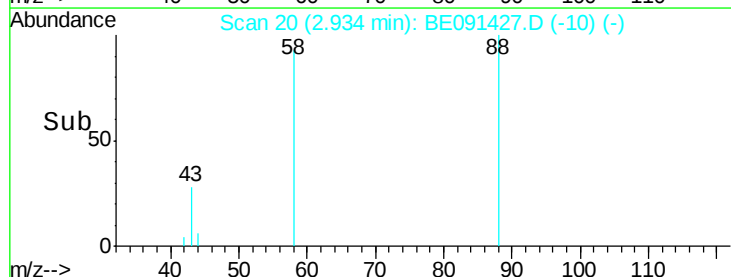
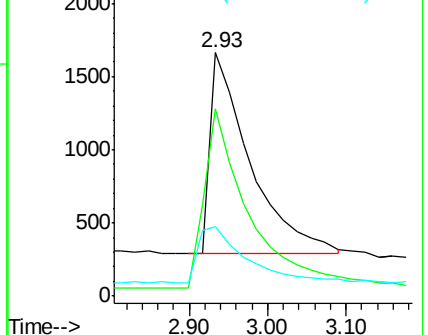
43 33.6 29.3 43.9

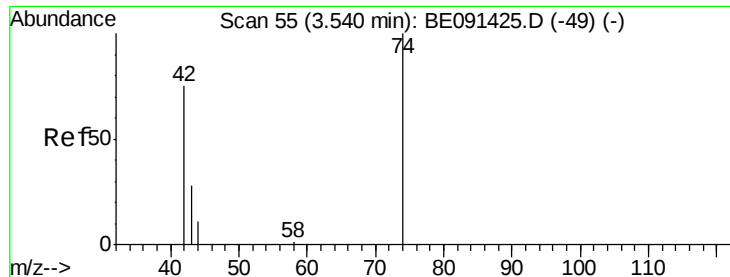


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 14.23 ng

RT: 3.40 min Scan# 47

Delta R.T. -0.14 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

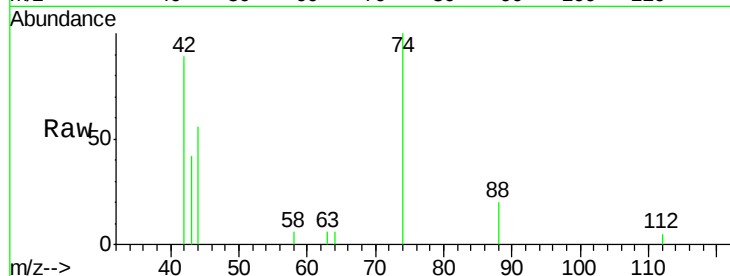
Tgt Ion: 42 Resp: 6146

Ion Ratio Lower Upper

42 100

74 138.4 96.6 144.8

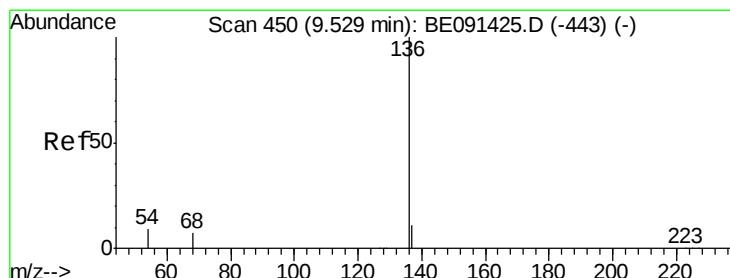
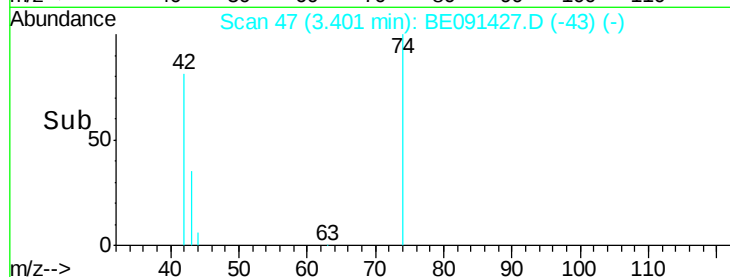
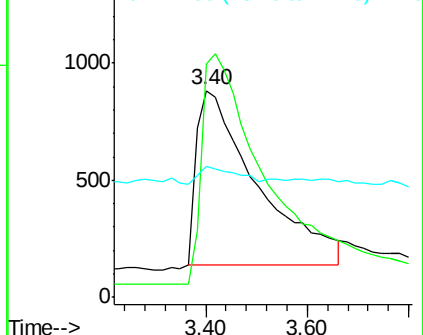
44 6.7 0.0 0.0#



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: 9.53 min Scan# 450

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

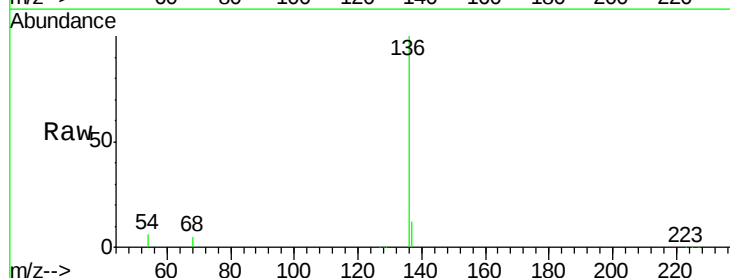
Tgt Ion: 136 Resp: 144182

Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

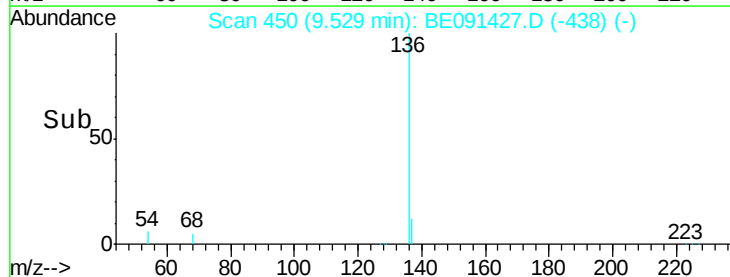
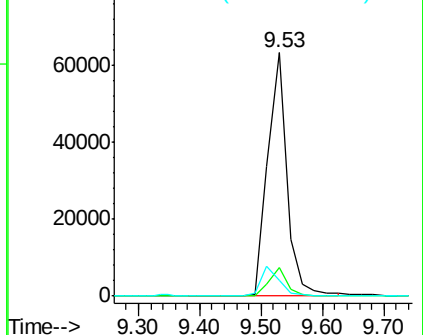
54 6.4 6.9 10.3#

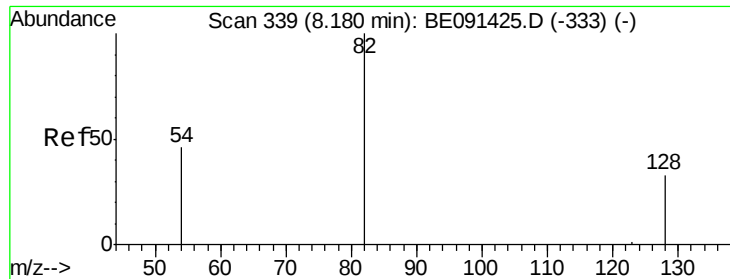


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 1.68 ng

RT: 8.13 min Scan# 335

Delta R.T. -0.05 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

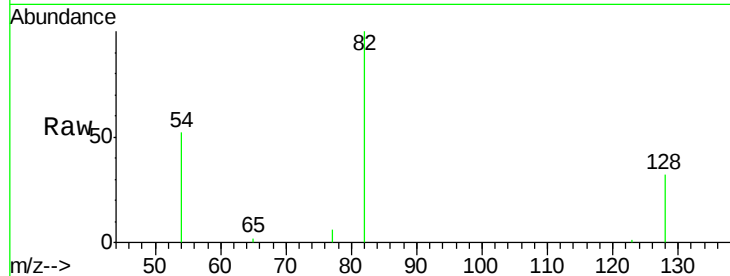
Tgt Ion: 82 Resp: 13367

Ion Ratio Lower Upper

82 100

128 32.4 30.0 45.0

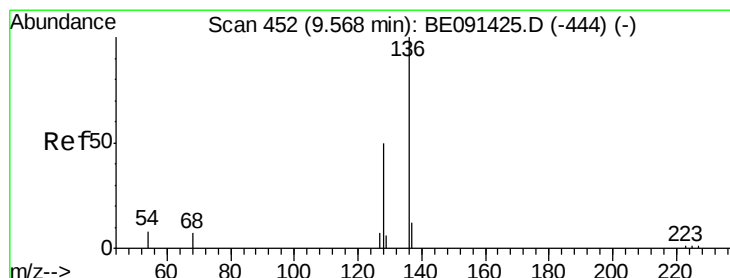
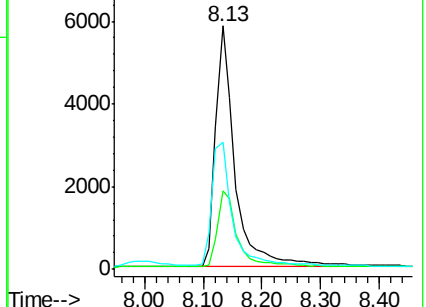
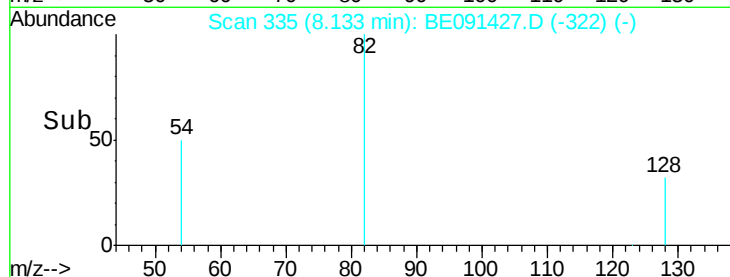
54 52.4 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BE091427.D (-333) (-)

Ion 128.00 (127.70 to 128.70): BE091427.D (-333) (-)

Ion 54.00 (53.70 to 54.70): BE091427.D (-333) (-)



#6

Naphthalene

Concen: 1.78 ng

RT: 9.57 min Scan# 452

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

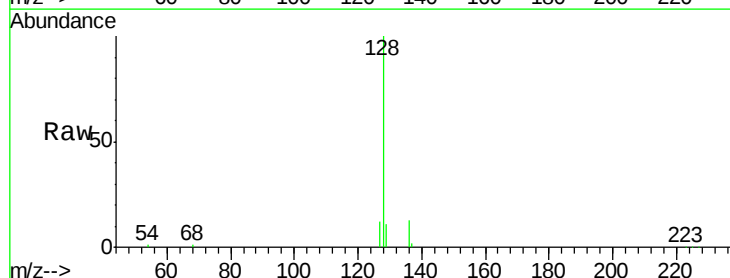
Tgt Ion: 128 Resp: 54733

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

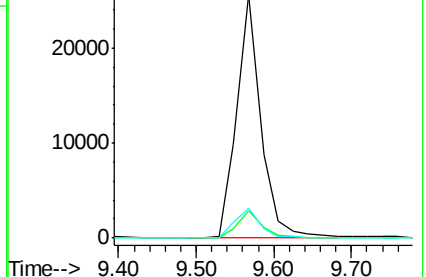
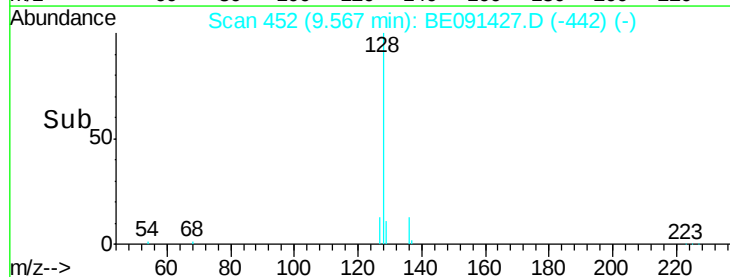
127 12.5 11.4 17.0

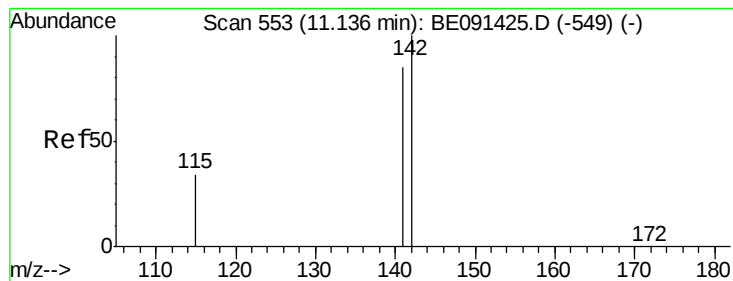


Abundance Ion 128.00 (127.70 to 128.70): BE091427.D (-442) (-)

Ion 129.00 (128.70 to 129.70): BE091427.D (-442) (-)

Ion 127.00 (126.70 to 127.70): BE091427.D (-442) (-)





#7

2-Methylnaphthalene

Concen: 1.82 ng

RT: 11.10 min Scan# 550

Delta R.T. -0.04 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

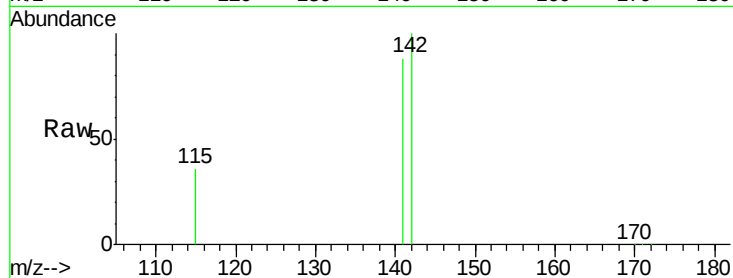
Tgt Ion:142 Resp: 33646

Ion Ratio Lower Upper

142 100

141 88.2 68.3 102.5

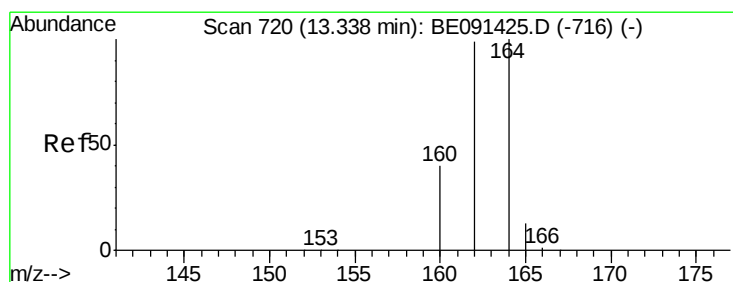
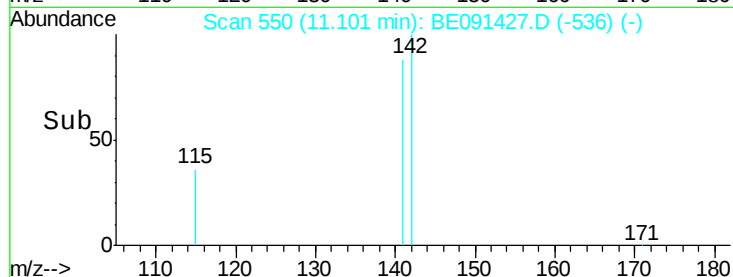
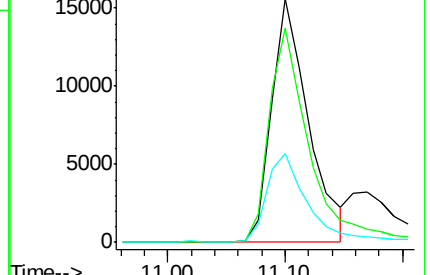
115 36.3 28.9 43.3



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: 13.34 min Scan# 720

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

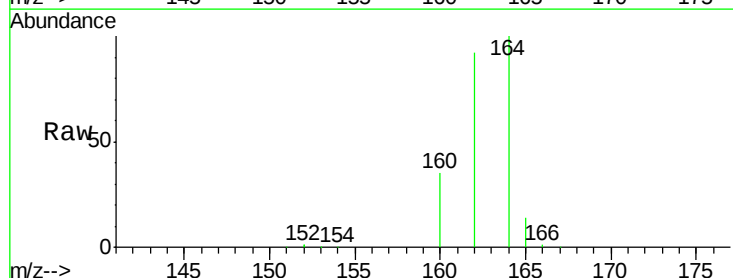
Tgt Ion:164 Resp: 84128

Ion Ratio Lower Upper

164 100

162 92.2 79.1 118.7

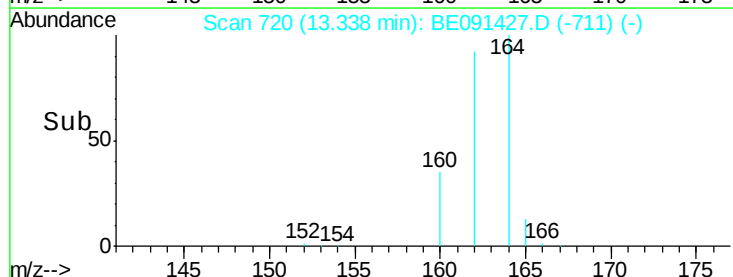
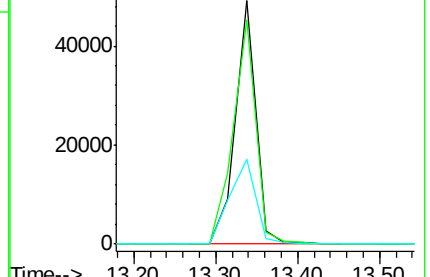
160 35.1 32.4 48.6

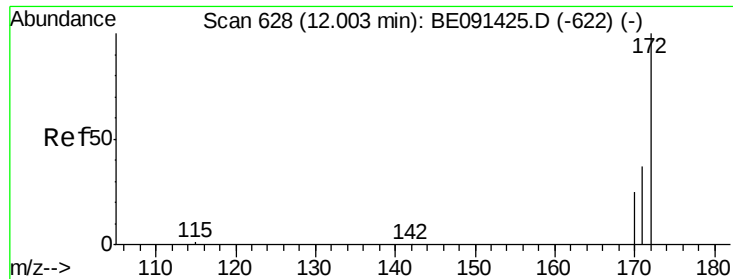


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 1.62 ng

RT: 11.99 min Scan# 627

Delta R.T. -0.01 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

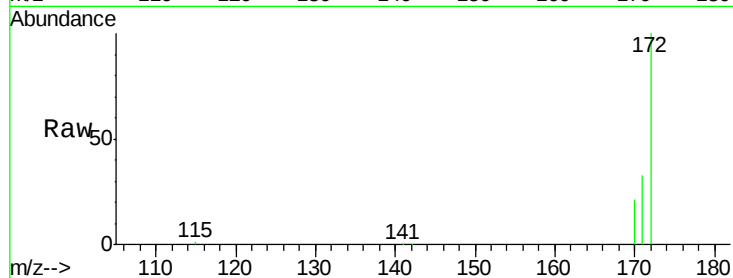
Tgt Ion:172 Resp: 35361

Ion Ratio Lower Upper

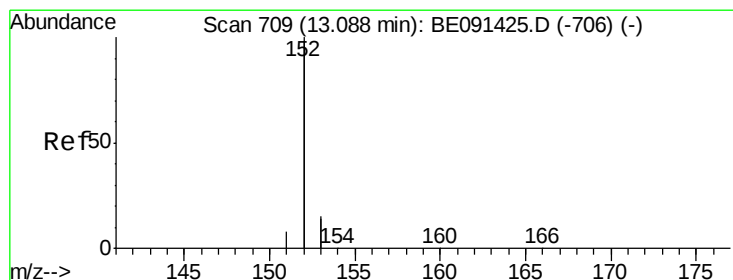
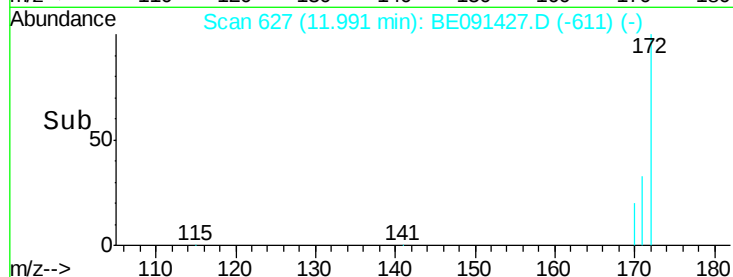
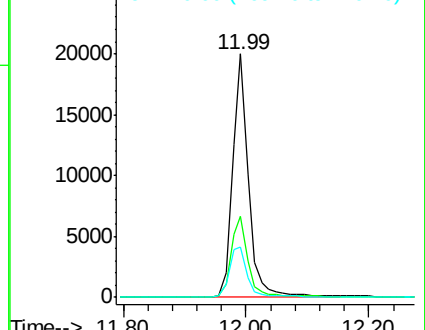
172 100

171 33.2 30.2 45.4

170 20.6 20.9 31.3#



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: 2.18 ng

RT: 13.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

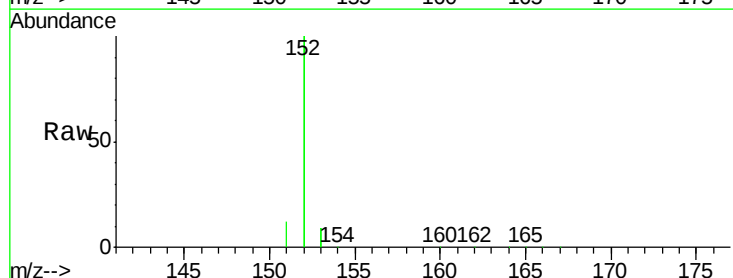
Tgt Ion:152 Resp: 244192

Ion Ratio Lower Upper

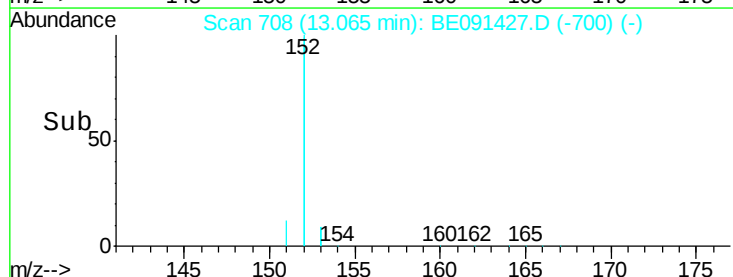
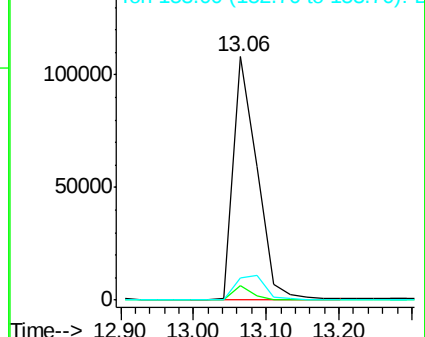
152 100

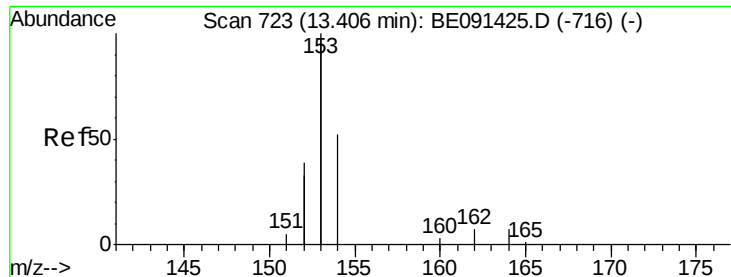
151 5.0 3.9 5.9

153 0.0 10.5 15.7#



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: 1.96 ng

RT: 13.38 min Scan# 722

Delta R.T. -0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

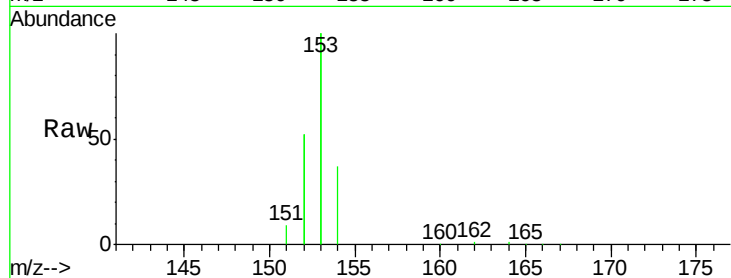
Tgt Ion:154 Resp: 40712

Ion Ratio Lower Upper

154 100

153 479.0 0.0 0.0#

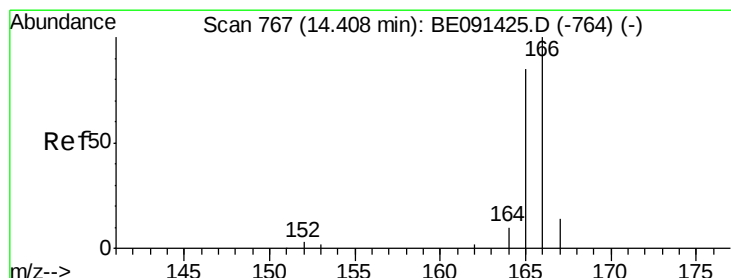
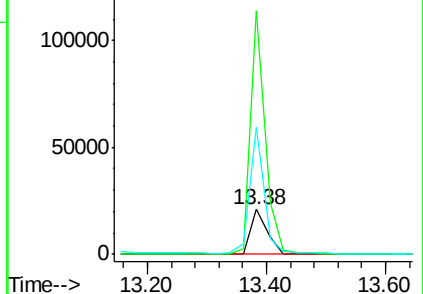
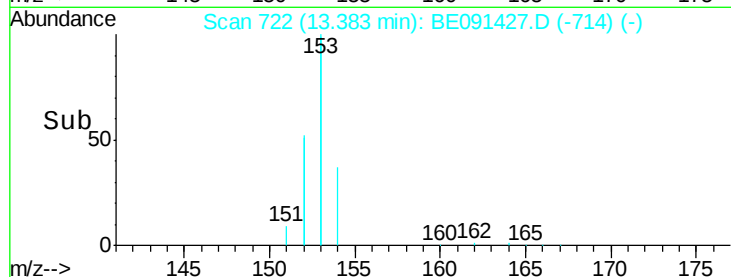
152 239.5 0.0 0.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 2.19 ng

RT: 14.39 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

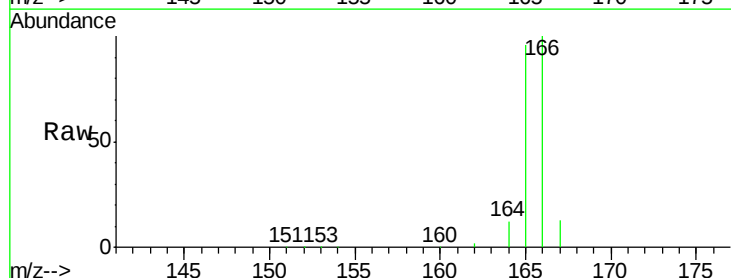
Tgt Ion:166 Resp: 59940

Ion Ratio Lower Upper

166 100

165 96.8 79.4 119.2

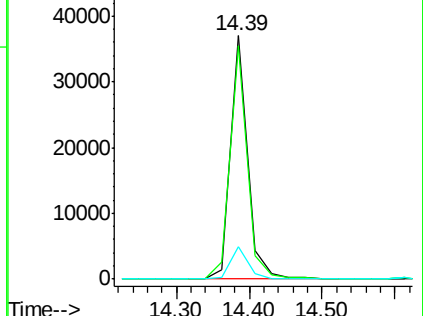
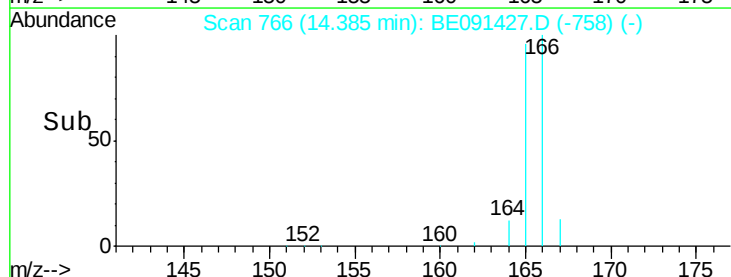
167 13.4 10.7 16.1

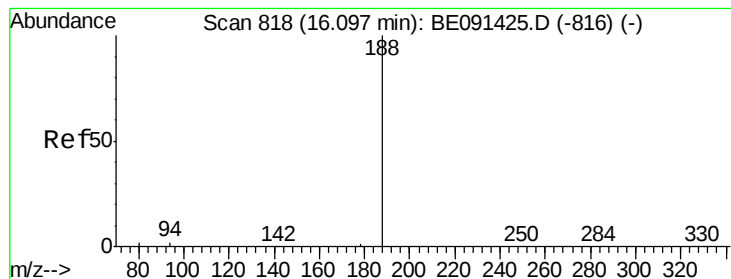


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.10 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

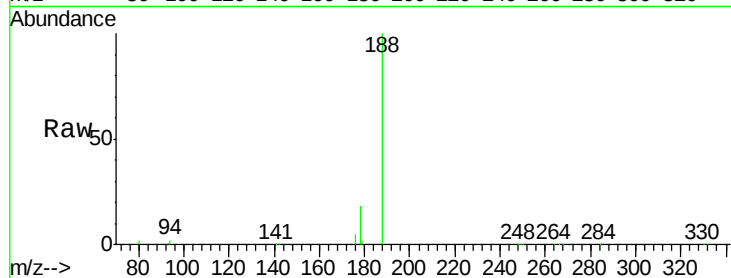
Tgt Ion:188 Resp: 99787

Ion Ratio Lower Upper

188 100

94 2.3 2.1 3.1

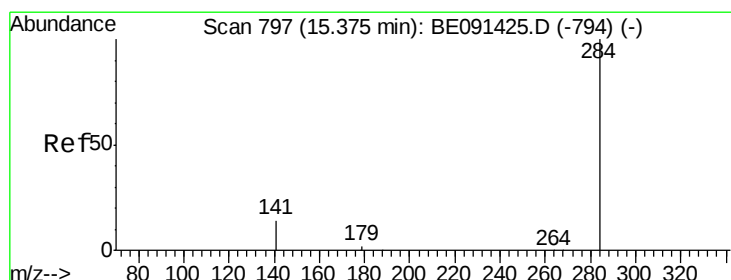
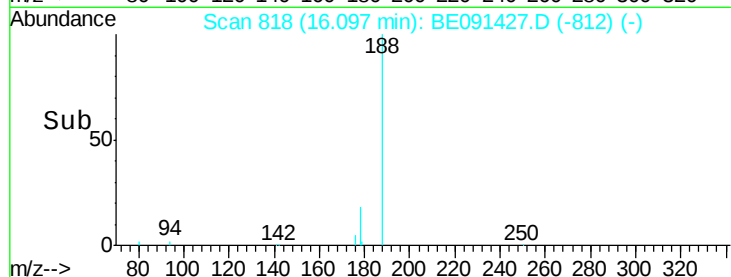
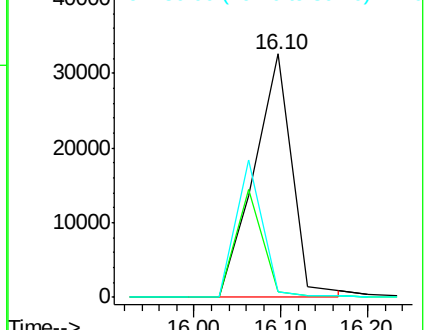
80 2.2 1.9 2.9



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: 1.78 ng

RT: 15.34 min Scan# 796

Delta R.T. -0.03 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

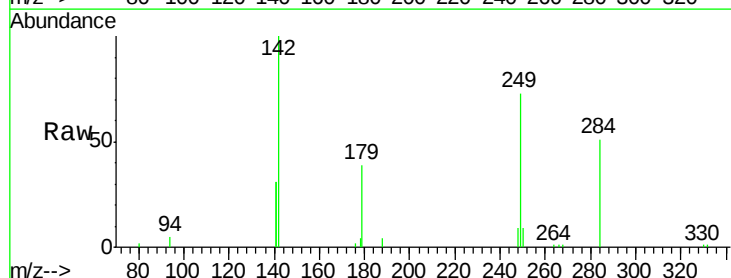
Tgt Ion:284 Resp: 8155

Ion Ratio Lower Upper

284 100

142 101.8 0.0 0.0#

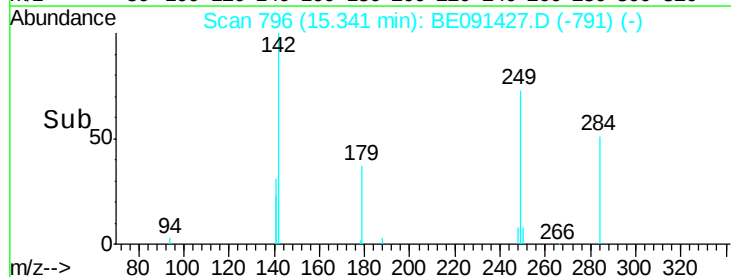
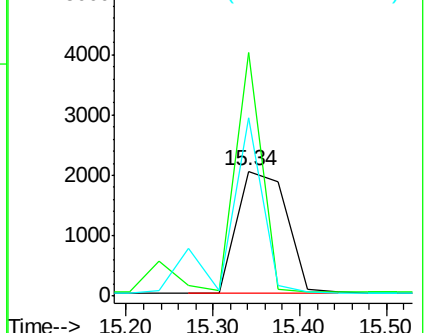
249 95.1 0.0 0.0#

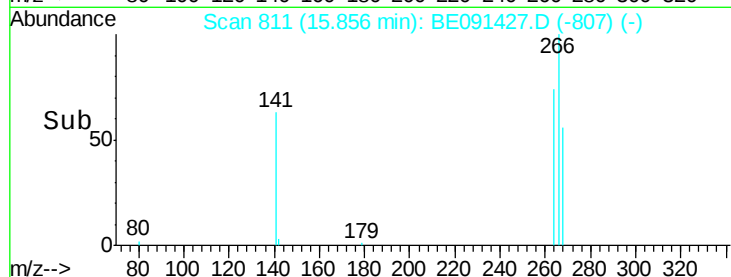
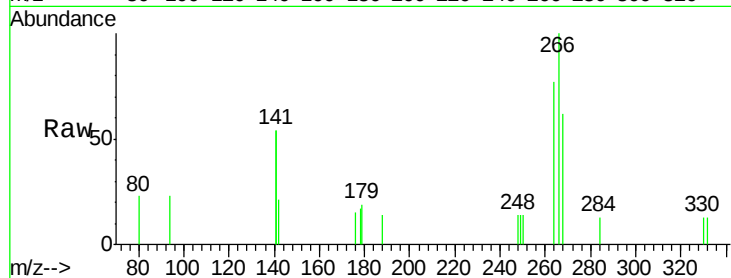
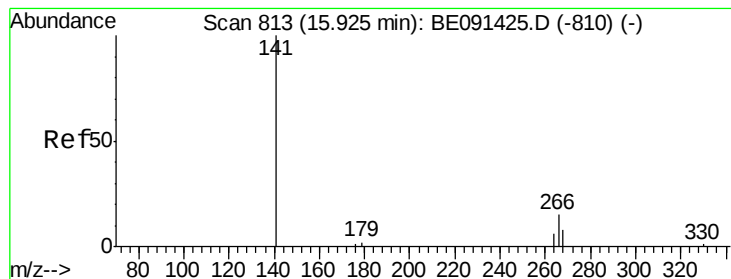


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#15

Pentachlorophenol

Concen: 4.42 ng

RT: 15.86 min Scan# 811

Delta R.T. -0.07 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

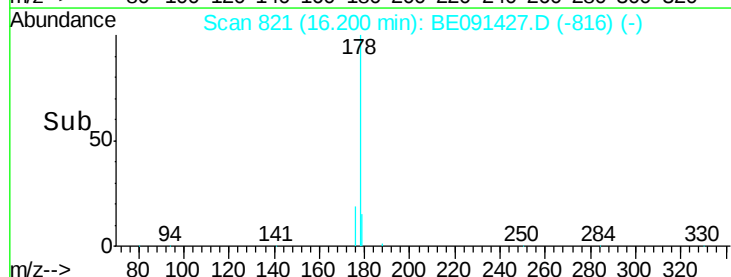
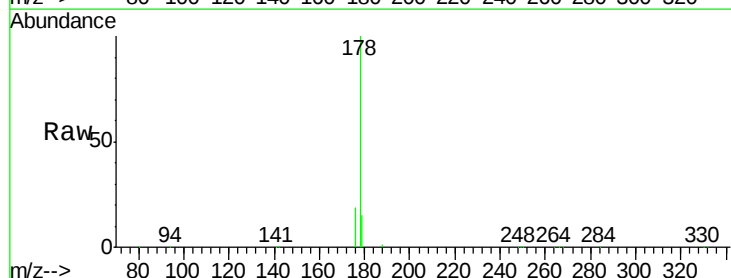
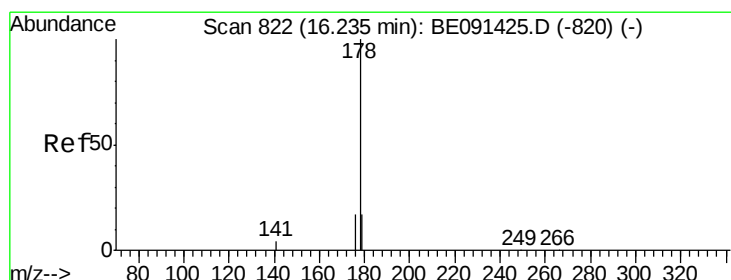
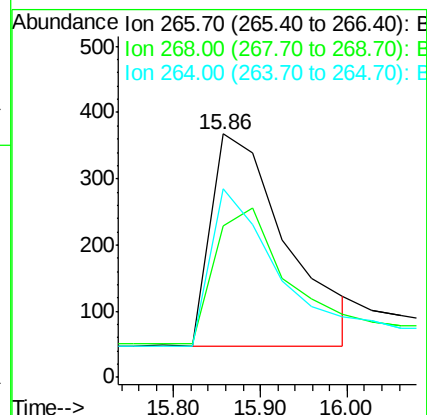
Tgt Ion:266 Resp: 1955

Ion Ratio Lower Upper

266 100

268 62.2 73.0 109.6#

264 77.4 66.1 99.1



#17

Anthracene

Concen: 6.70 ng

RT: 16.20 min Scan# 821

Delta R.T. -0.03 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

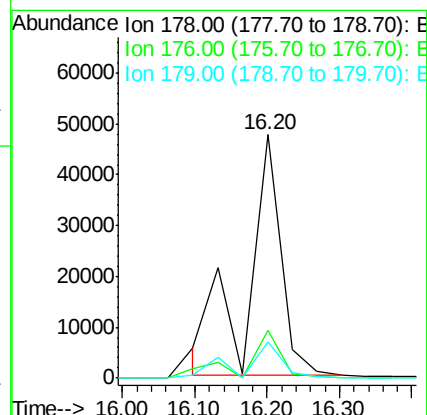
Tgt Ion:178 Resp: 153035

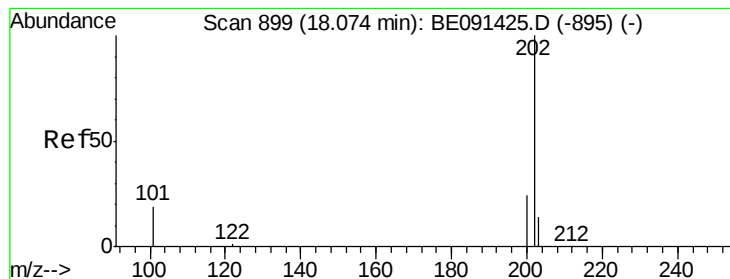
Ion Ratio Lower Upper

178 100

176 17.8 23.5 35.3#

179 16.0 14.3 21.5





#18

Fluoranthene

Concen: 4.32 ng

RT: 18.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

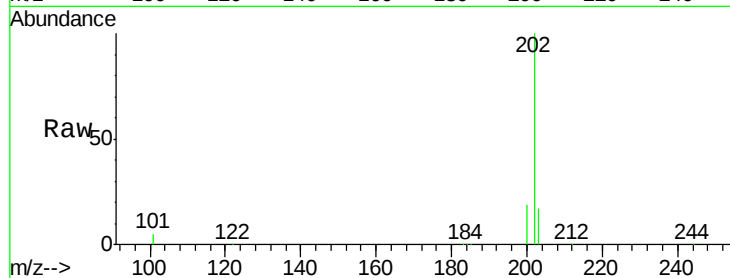
Tgt Ion: 202 Resp: 109415

Ion Ratio Lower Upper

202 100

101 11.9 11.0 16.4

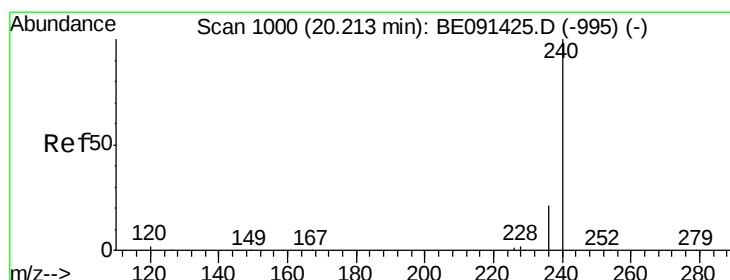
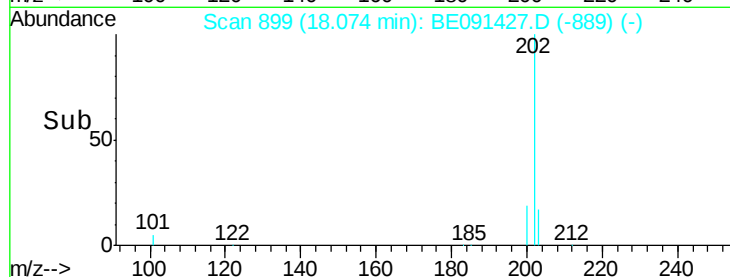
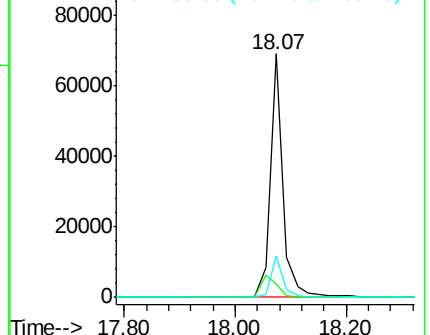
203 17.0 13.7 20.5



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: 20.21 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

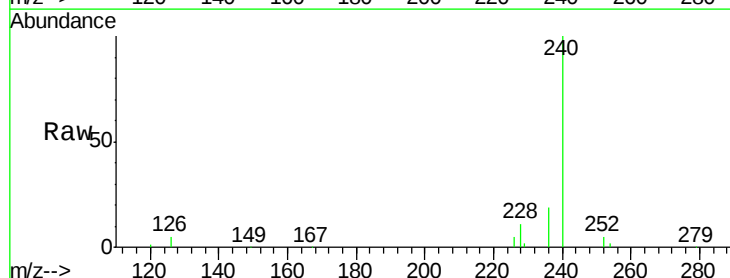
Tgt Ion: 240 Resp: 228899

Ion Ratio Lower Upper

240 100

120 1.2 1.4 2.0#

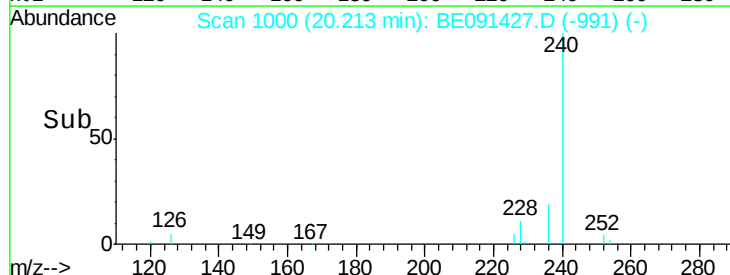
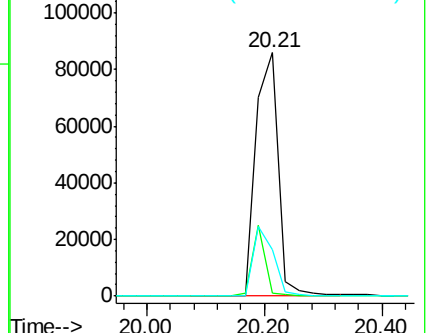
236 19.3 16.7 25.1

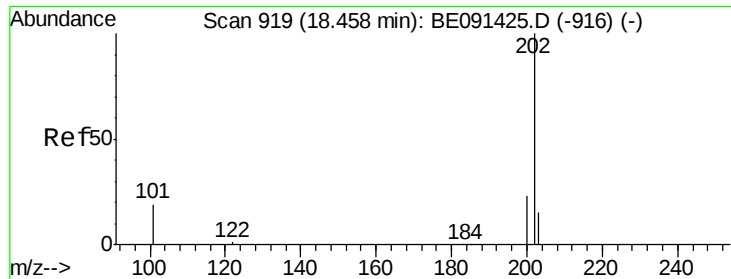


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

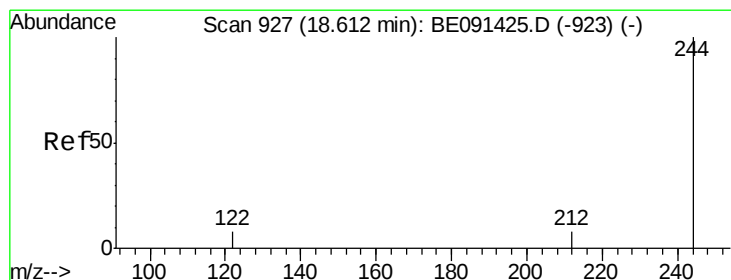
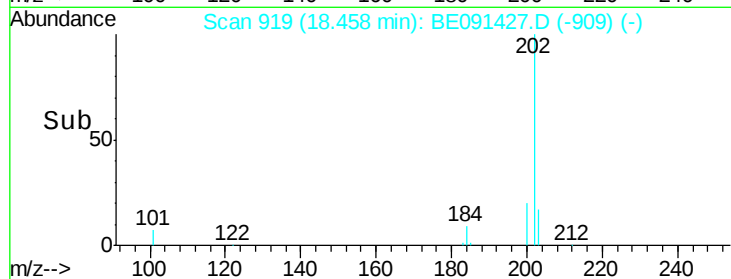
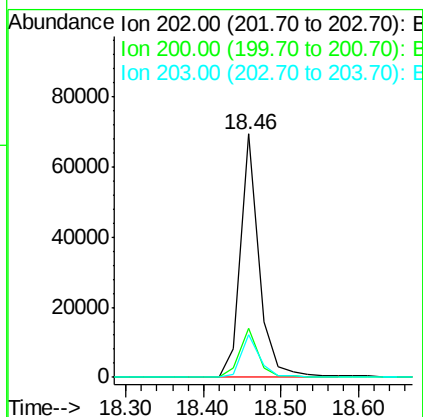
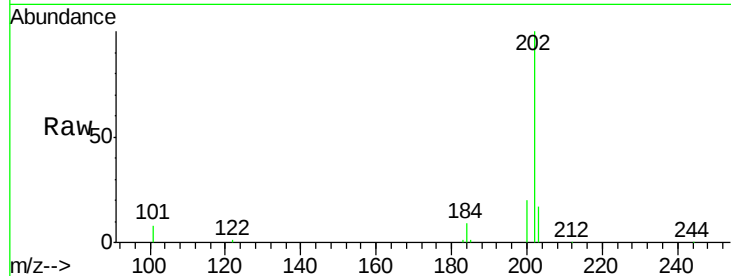




#20
Pyrene
Concen: 2.17 ng
RT: 18.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE091427.D
Acq: 3 Mar 2016 17:53

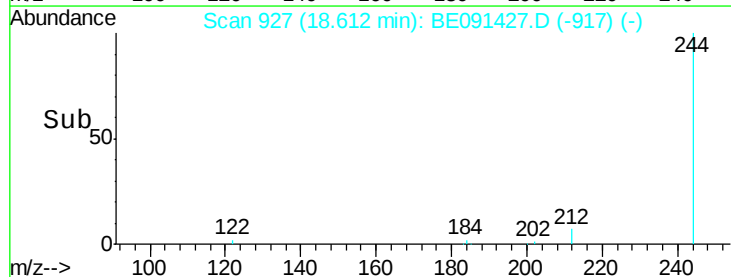
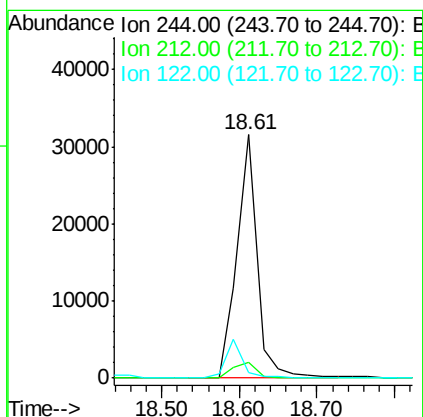
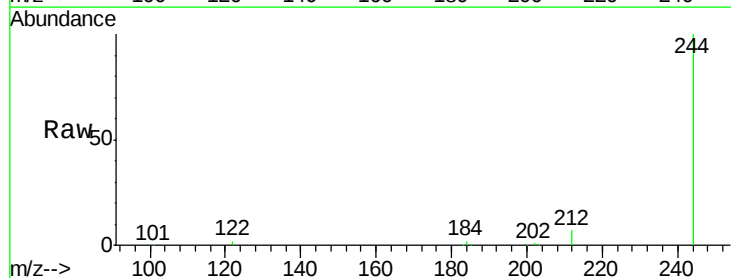
Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

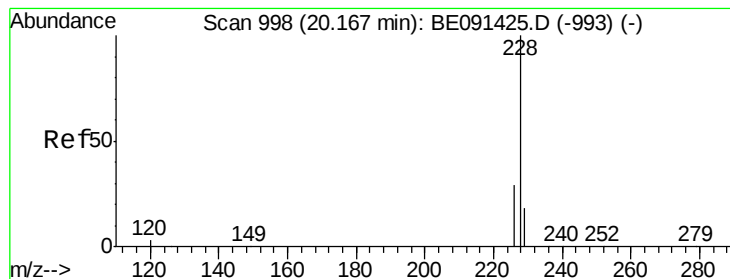
Tgt Ion:202 Resp: 113753
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.5 13.8 20.6



#21
Terphenyl-d14
Concen: 1.65 ng
RT: 18.61 min Scan# 927
Delta R.T. -0.00 min
Lab File: BE091427.D
Acq: 3 Mar 2016 17:53

Tgt Ion:244 Resp: 56816
Ion Ratio Lower Upper
244 100
212 6.7 7.0 10.6#
122 2.2 6.8 10.2#





#22

Benzo(a)anthracene

Concen: 3.14 ng

RT: 20.17 min Scan# 998

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

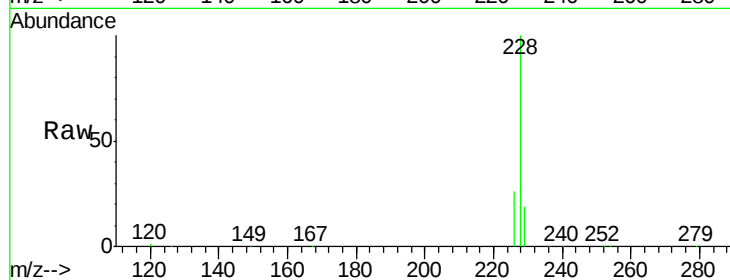
Tgt Ion:228 Resp: 148417

Ion Ratio Lower Upper

228 100

226 26.2 23.1 34.7

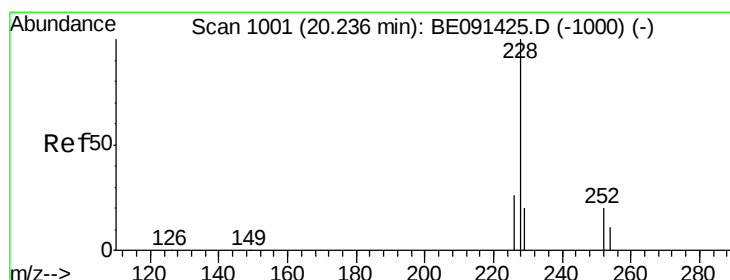
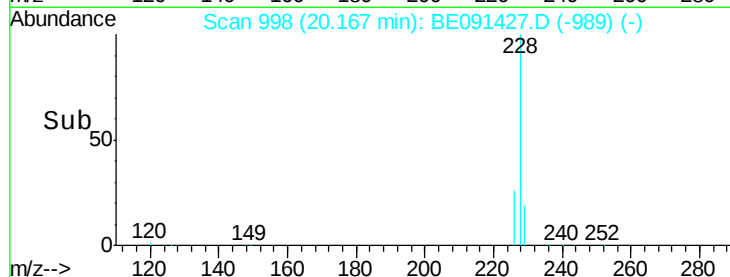
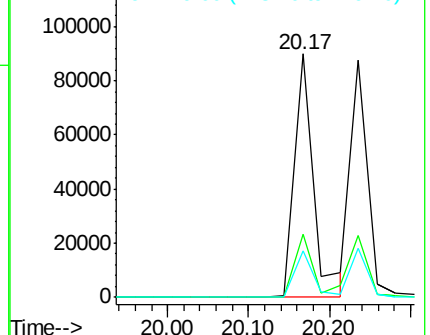
229 18.9 14.5 21.7



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: 2.02 ng

RT: 20.24 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

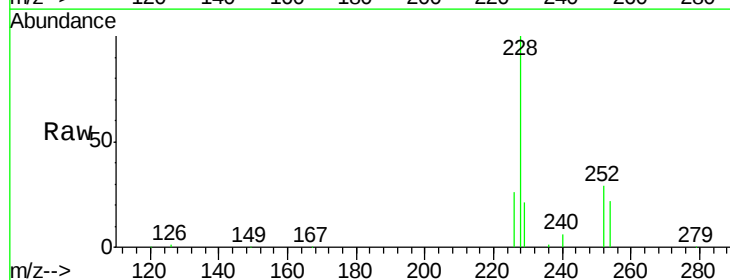
Tgt Ion:228 Resp: 129573

Ion Ratio Lower Upper

228 100

226 25.9 22.0 33.0

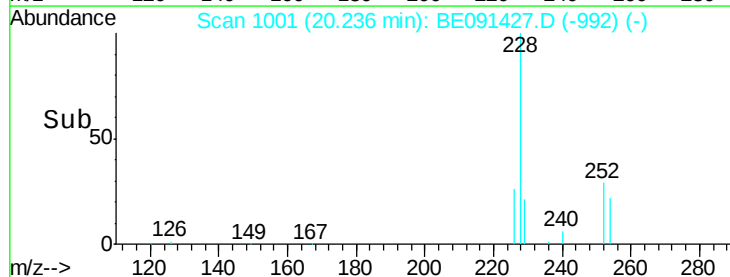
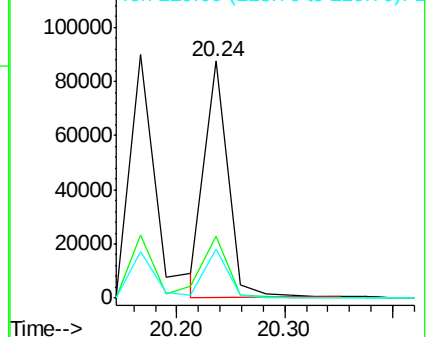
229 20.6 16.2 24.2

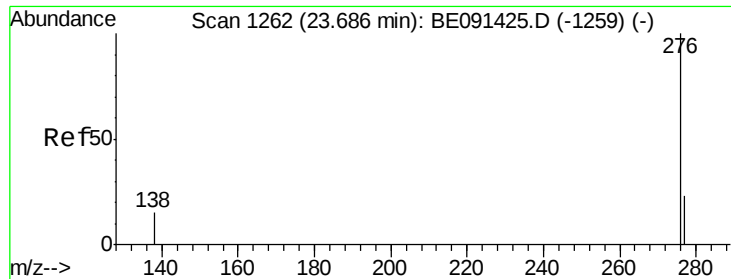


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

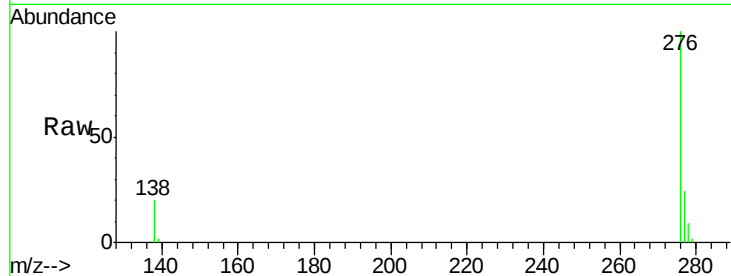




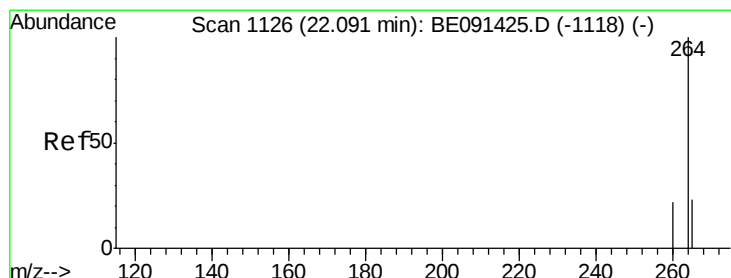
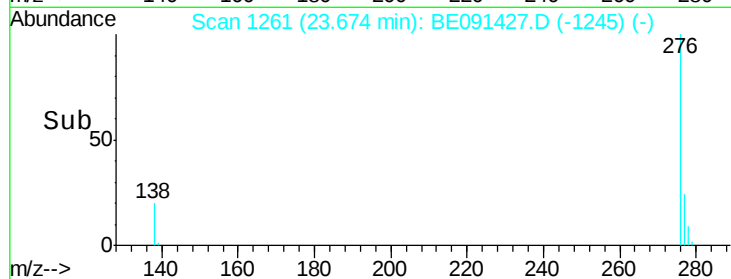
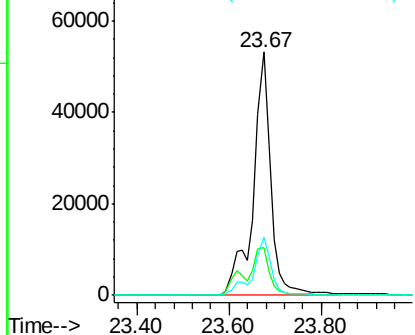
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.08 ng
 RT: 23.67 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BE091427.D
 Acq: 3 Mar 2016 17:53

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	15.9	23.9
277	24.7	22.4	33.6

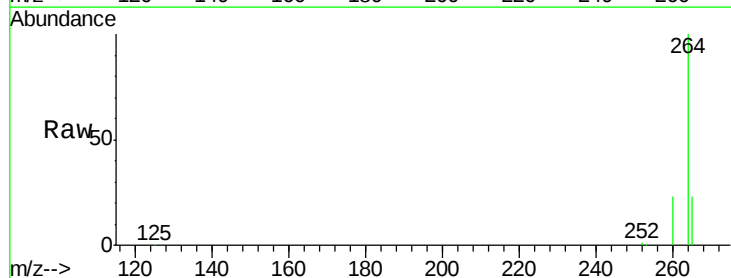


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

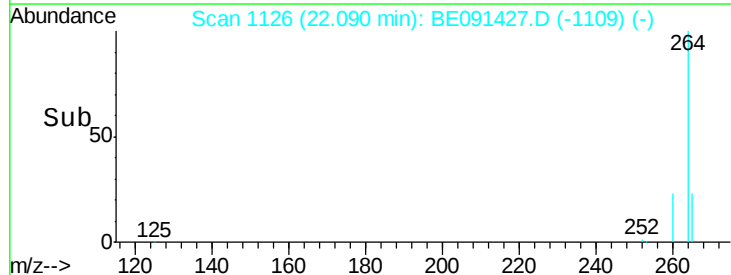
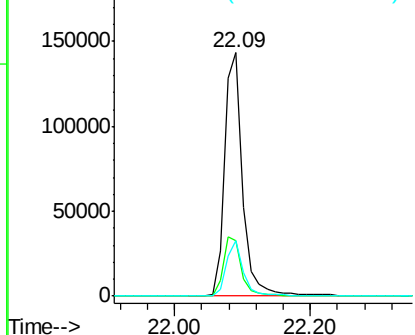


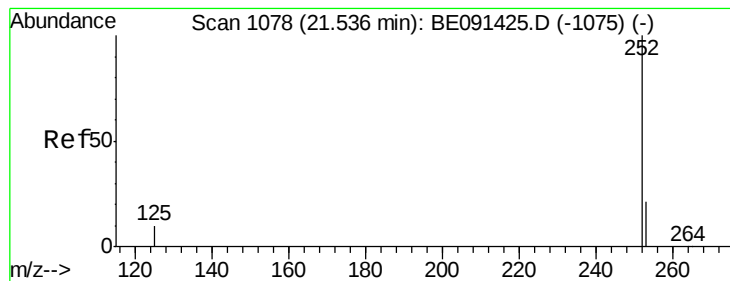
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 22.09 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BE091427.D
 Acq: 3 Mar 2016 17:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.0	27.0
265	22.9	18.2	27.4



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: 4.51 ng

RT: 21.56 min Scan# 1080

Delta R.T. 0.02 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

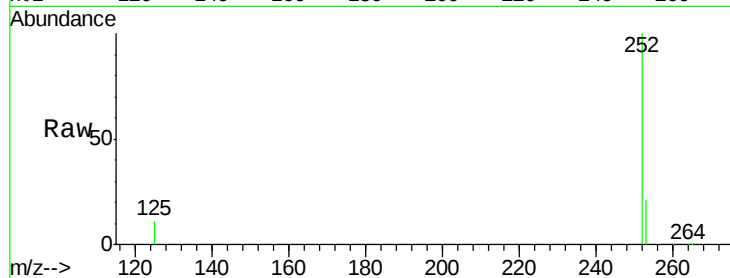
Tgt Ion:252 Resp: 250845

Ion Ratio Lower Upper

252 100

253 20.9 17.0 25.4

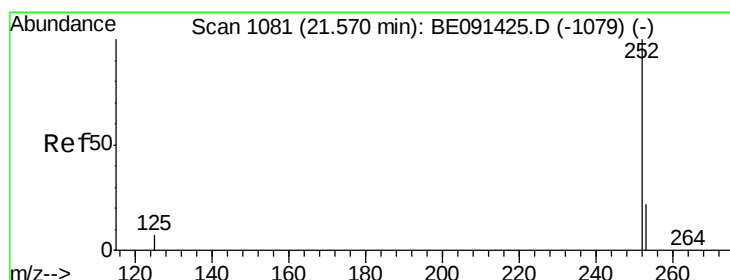
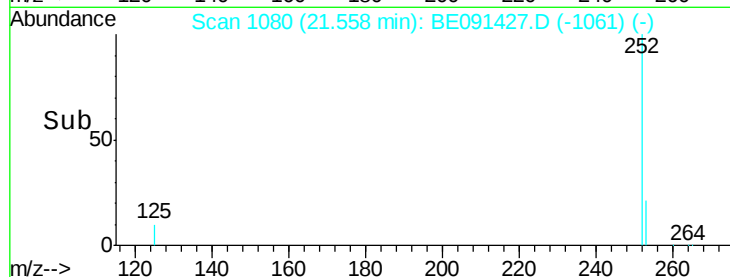
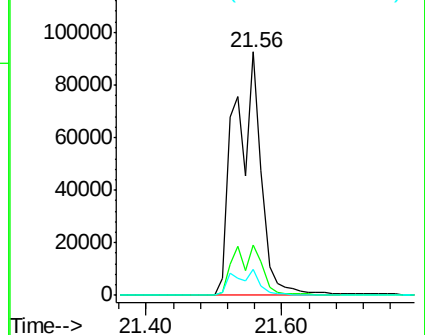
125 10.5 8.3 12.5



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



#27

Benzo(k)fluoranthene

Concen: 3.82 ng

RT: 21.56 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

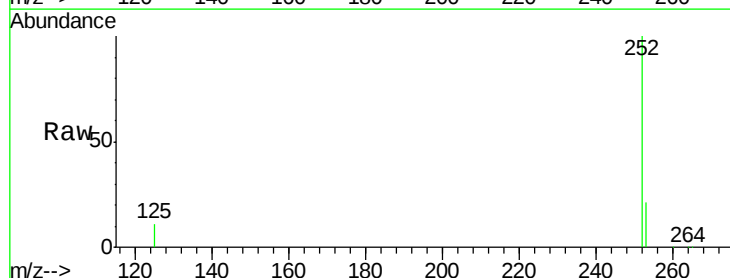
Tgt Ion:252 Resp: 251928

Ion Ratio Lower Upper

252 100

253 20.9 19.5 29.3

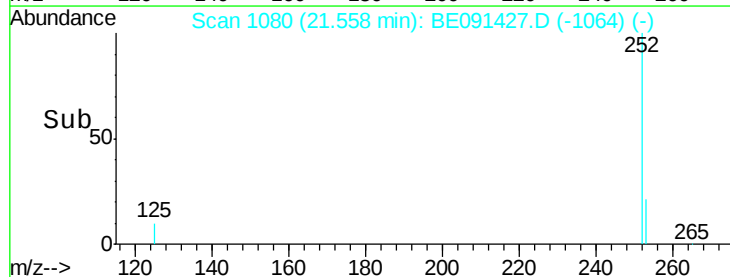
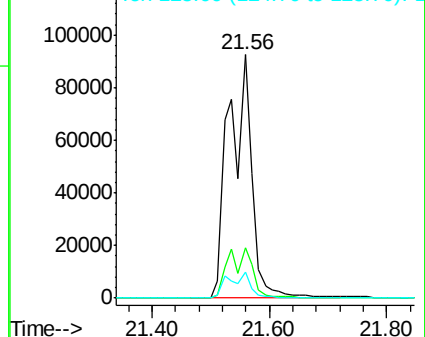
125 10.5 7.3 10.9

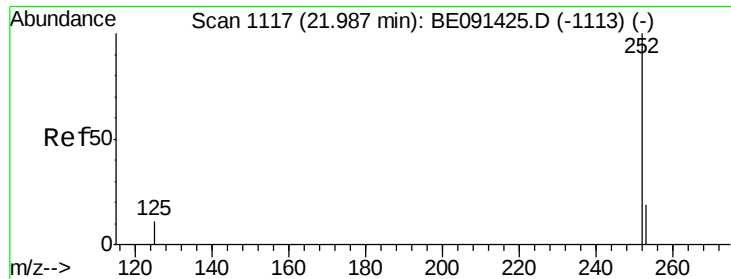


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Benzo(a)pyrene

Concen: 2.19 ng

RT: 21.99 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6

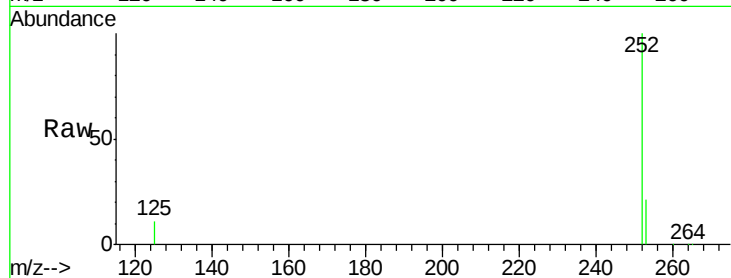
Tgt Ion: 252 Resp: 111845

Ion Ratio Lower Upper

252 100

253 21.0 16.2 24.4

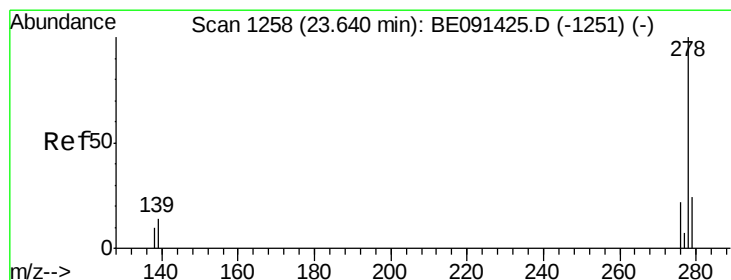
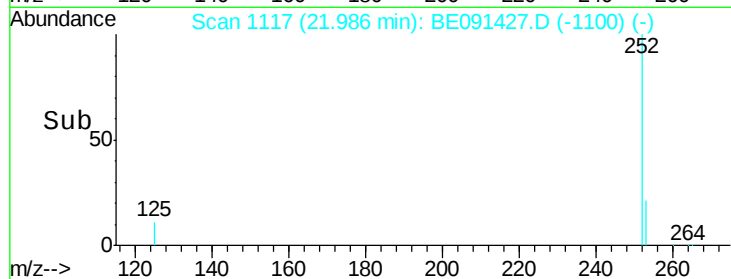
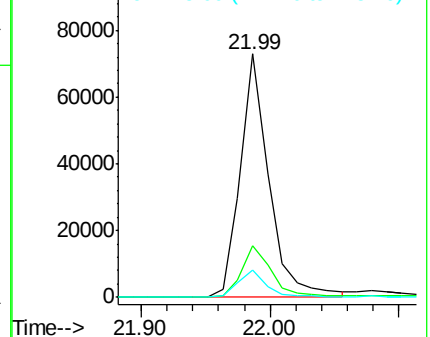
125 11.3 9.6 14.4



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: 2.54 ng

RT: 23.63 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BE091427.D

Acq: 3 Mar 2016 17:53

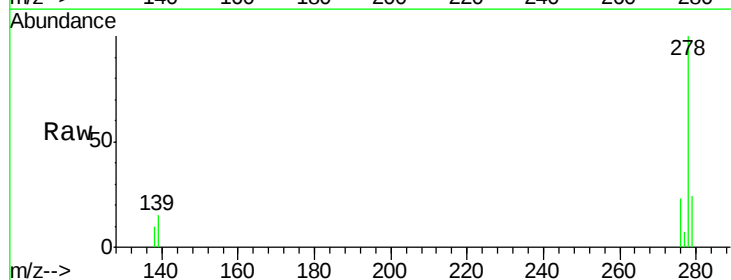
Tgt Ion: 278 Resp: 108106

Ion Ratio Lower Upper

278 100

139 15.3 12.1 18.1

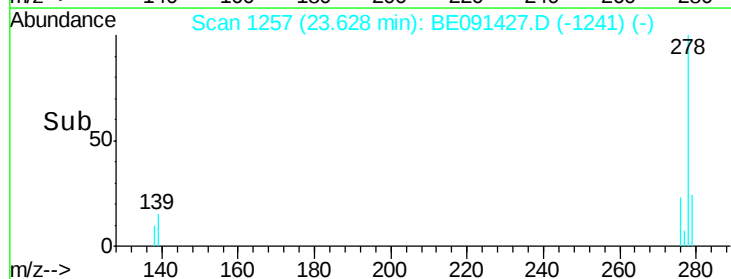
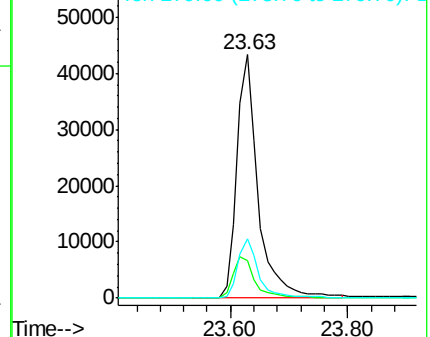
279 24.5 19.4 29.0

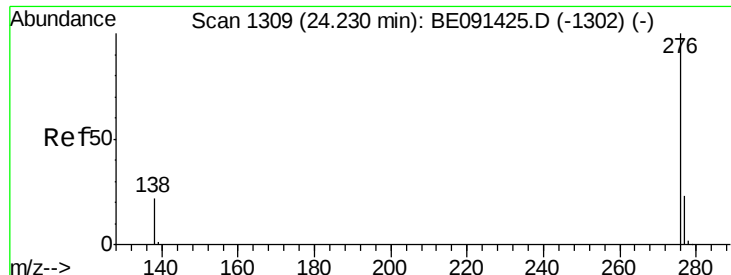


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.10 ng

RT: 24.22 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BE091427.D

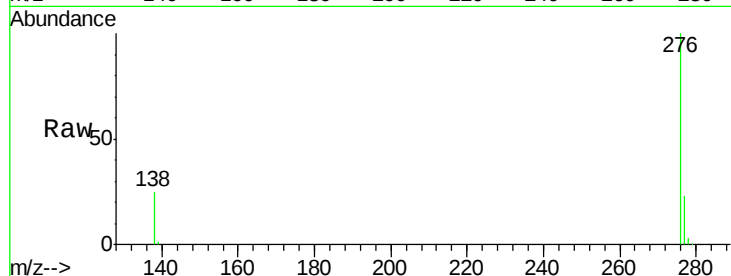
Acq: 3 Mar 2016 17:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC1.6



Tgt Ion: 276 Resp: 114794

Ion Ratio Lower Upper

276 100

277 22.6 19.0 28.6

138 25.3 18.2 27.4

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

