

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020216\
 Data File : BE091382.D
 Acq On : 2 Feb 2016 17:58
 Operator : UM/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Quant Time: Feb 02 18:32:03 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 02 17:23:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	44729	5.00	ng	-0.01
4) Naphthalene-d8	9.54	136	214111	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	132610	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	323851	5.00	ng	0.00
18) Chrysene-d12	20.22	240	390239	5.00	ng	0.00
24) Perylene-d12	22.09	264	364667	5.00	ng	0.00

System Monitoring Compounds						
2) 2-Fluorophenol	4.91	112	50494	10.60	ng	-0.03
3) Phenol-d6	6.53	99	70468	9.25	ng	-0.04
5) Nitrobenzene-d5	8.13	82	67049	5.40	ng	-0.03
9) 2,4,6-Tribromophenol	14.89	330	30731	11.29	ng	0.00
10) 2-Fluorobiphenyl	11.99	172	182756	6.38	ng	-0.02
20) Terphenyl-d14	18.61	244	324301	8.76	ng	0.00

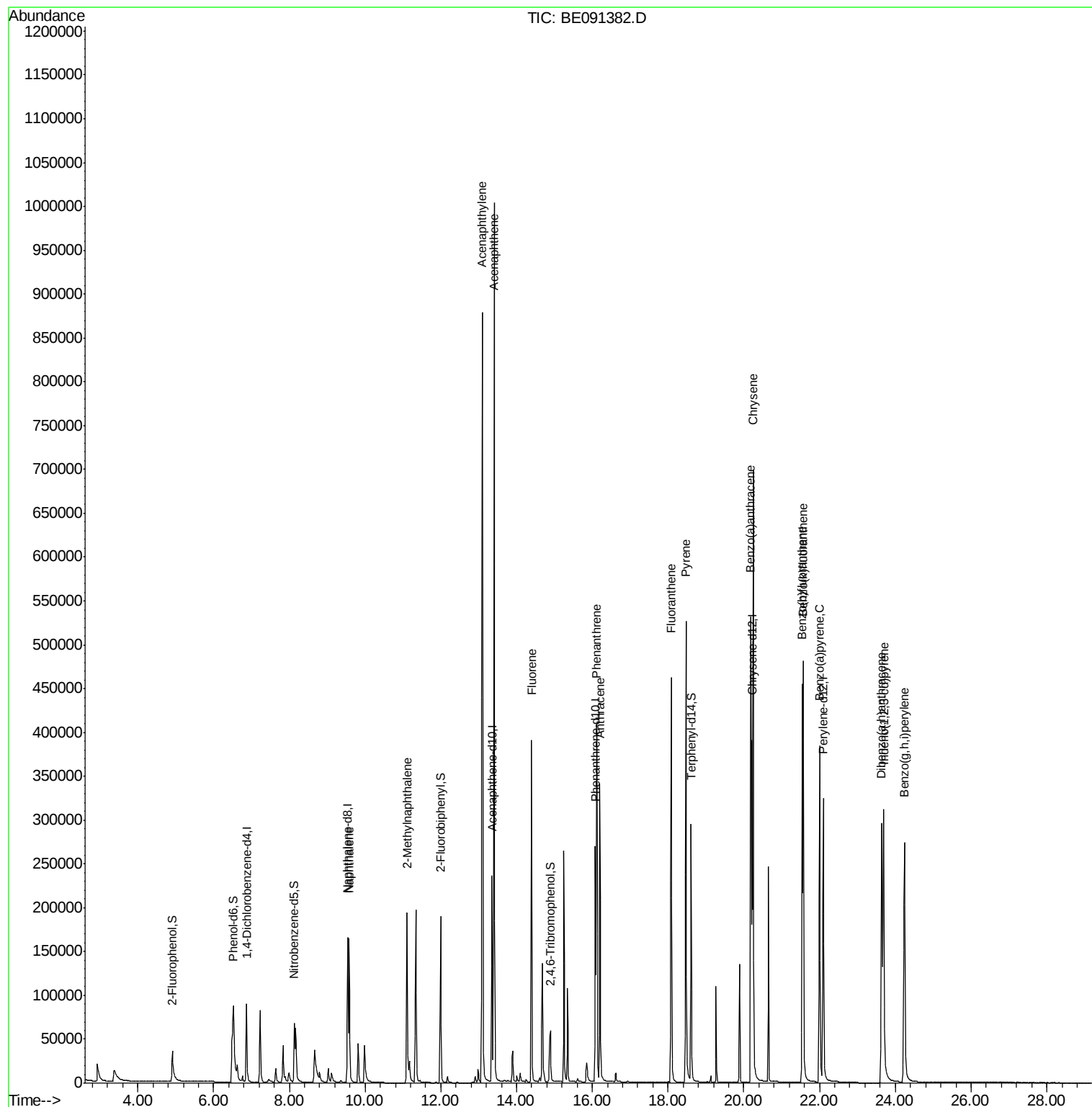
Target Compounds				Qvalue		
6) Naphthalene	9.58	128	237988	5.21	ng	99
7) 2-Methylnaphthalene	11.10	142	153026	8.57	ng	93
11) Acenaphthylene	13.09	152	1158214	6.66	ng	99
12) Acenaphthene	13.41	154	179171	4.76	ng	# 69
13) Fluorene	14.39	166	247561	5.93	ng	95
15) Phenanthrene	16.12	178	415032	5.18	ng	99
16) Anthracene	16.20	178	401503	7.15	ng	100
17) Fluoranthene	18.09	202	460417	7.96	ng	100
19) Pyrene	18.47	202	478648	8.03	ng	100
21) Benzo(a)anthracene	20.18	228	441730	8.13	ng	99
22) Chrysene	20.24	228	509293	5.38	ng	98
23) Indeno(1,2,3-cd)pyrene	23.69	276	449683	7.27	ng	94
25) Benzo(b)fluoranthene	21.54	252	461602	7.54	ng	# 97
26) Benzo(k)fluoranthene	21.57	252	471338	6.59	ng	# 96
27) Benzo(a)pyrene	22.00	252	421979	6.75	ng	# 96
28) Dibenzo(a,h)anthracene	23.64	278	405854	8.74	ng	# 95
29) Benzo(g,h,i)perylene	24.24	276	453211	7.66	ng	# 92

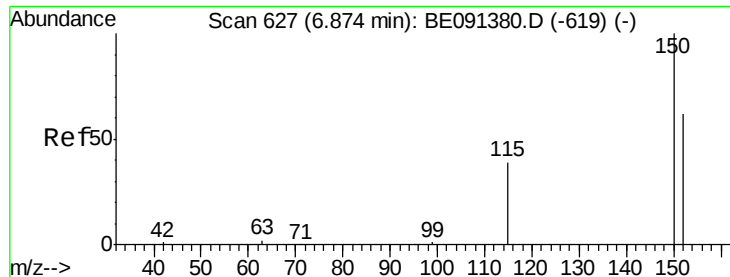
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 626

Delta R.T. -0.01 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

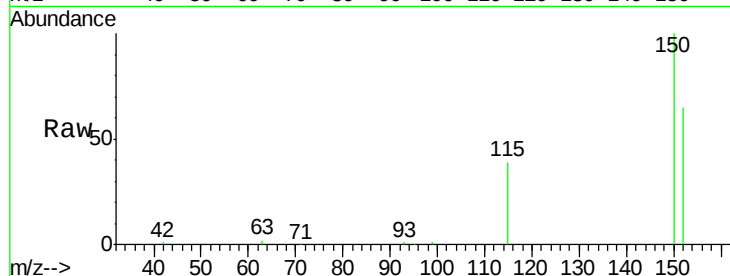
Tot Ion:152 Resp: 44729

Ion Ratio Lower Upper

152 100

150 152.8 121.6 182.4

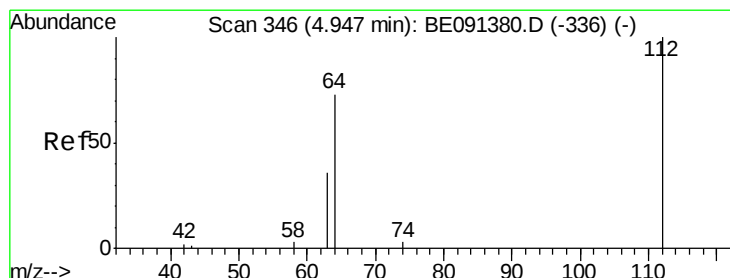
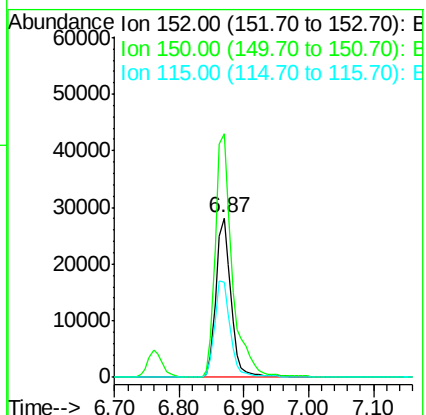
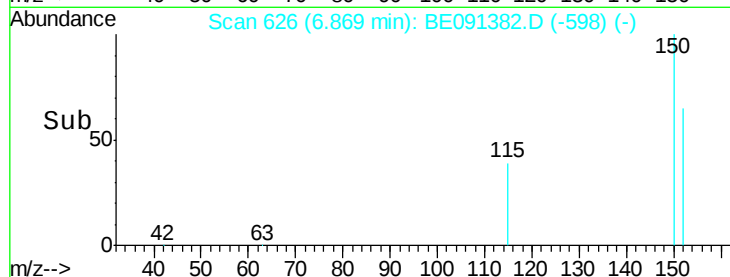
115 60.0 50.6 75.8



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

2-Fluorophenol

Concen: 10.60 ng

RT: 4.91 min Scan# 341

Delta R.T. -0.03 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

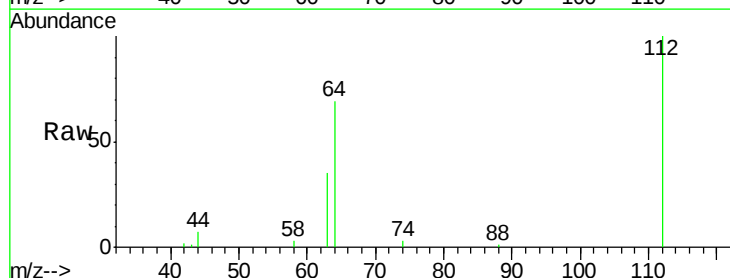
Tgt Ion:112 Resp: 50494

Ion Ratio Lower Upper

112 100

64 72.2 57.4 86.0

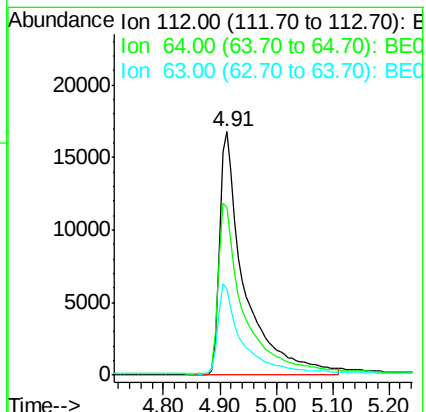
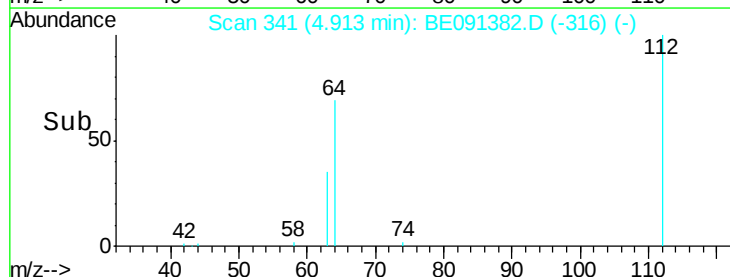
63 36.6 32.2 48.2

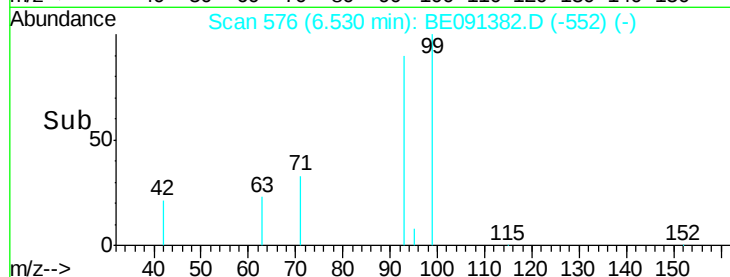
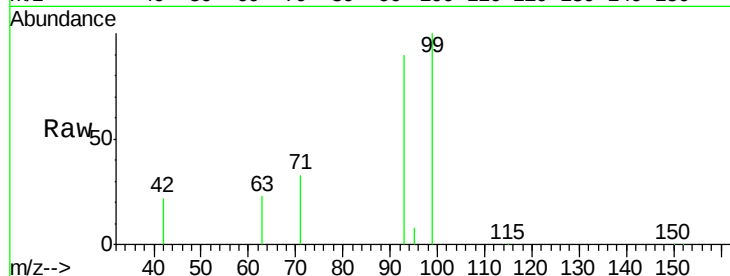
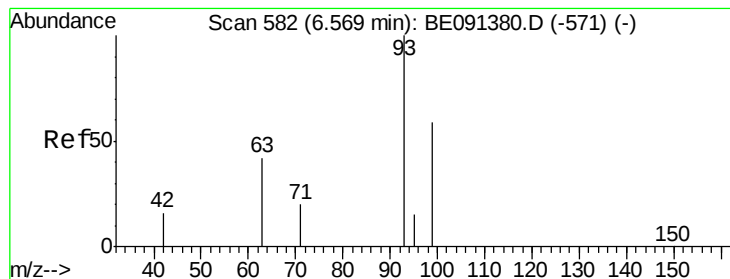


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 9.25 ng

RT: 6.53 min Scan# 576

Delta R.T. -0.04 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

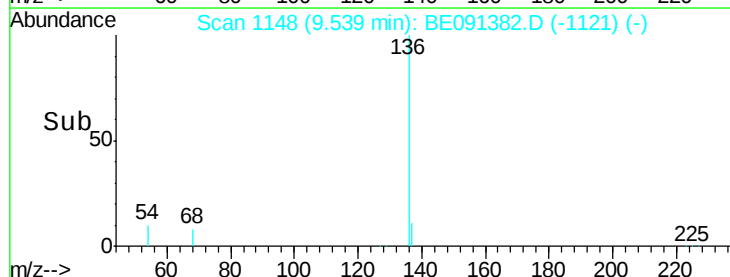
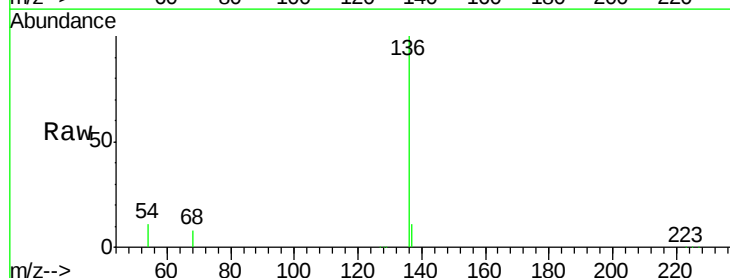
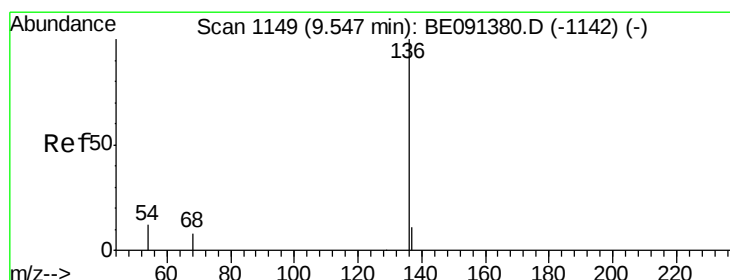
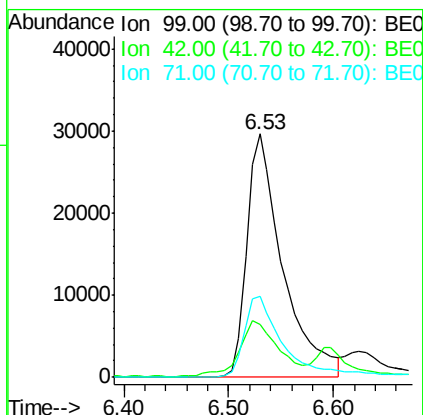
Tot Ion: 99 Resp: 70468

Ion Ratio Lower Upper

99 100

42 24.4 22.9 34.3

71 37.2 35.4 53.2



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.54 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Tgt Ion: 136 Resp: 214111

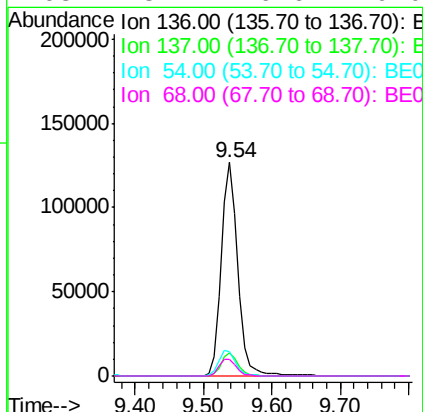
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 11.3 9.8 14.6

68 8.1 6.6 10.0





#5

Nitrobenzene-d5

Concen: 5.40 ng

RT: 8.13 min Scan# 854

Delta R.T. -0.03 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

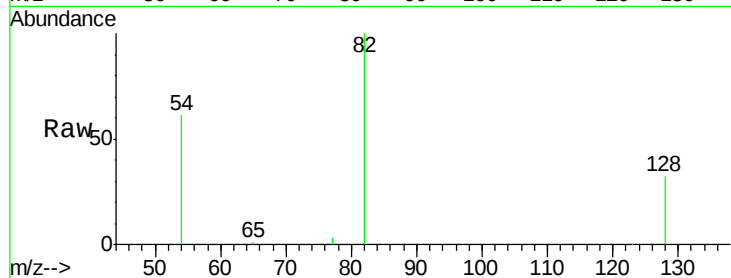
Tot Ion: 82 Resp: 67049

Ion Ratio Lower Upper

82 100

128 31.7 24.6 36.8

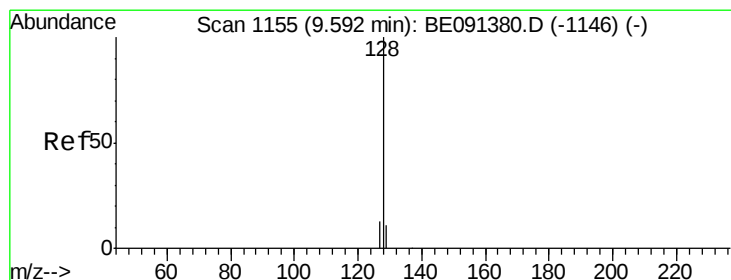
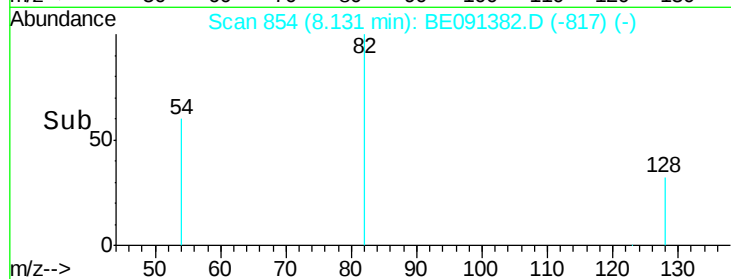
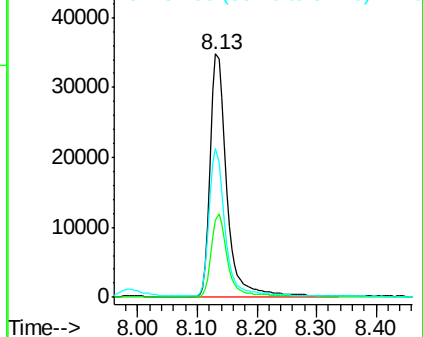
54 61.0 52.7 79.1



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: 5.21 ng

RT: 9.58 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

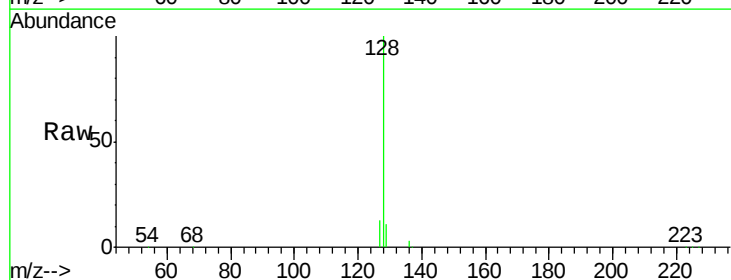
Tgt Ion: 128 Resp: 237988

Ion Ratio Lower Upper

128 100

129 11.1 9.3 13.9

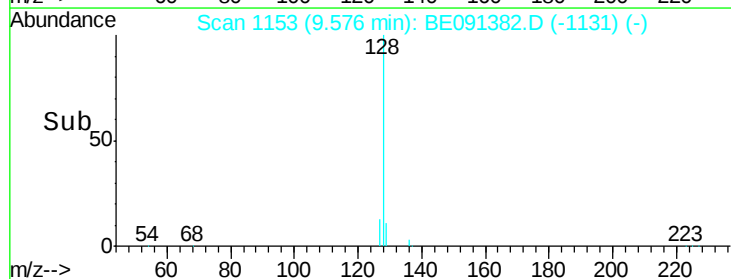
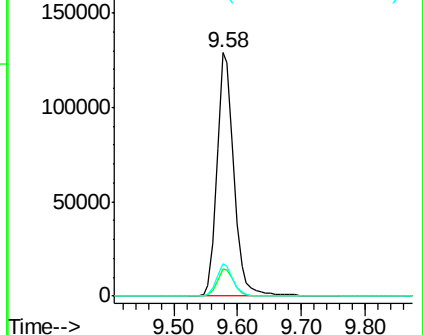
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#7

2-Methylnaphthalene

Concen: 8.57 ng

RT: 11.10 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

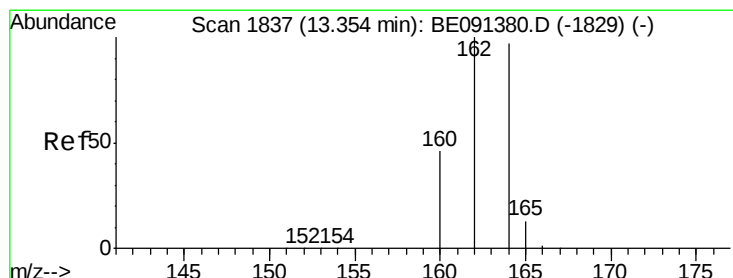
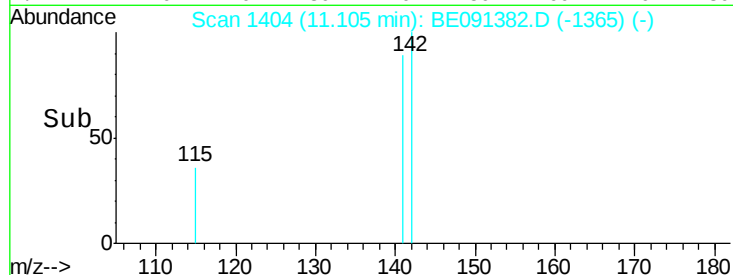
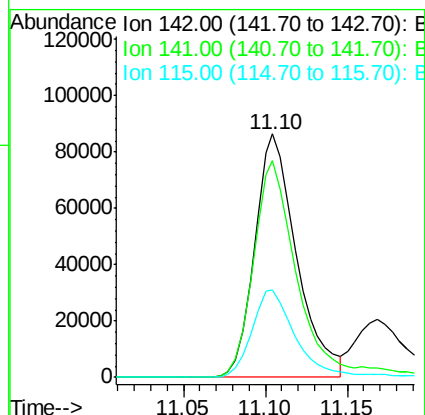
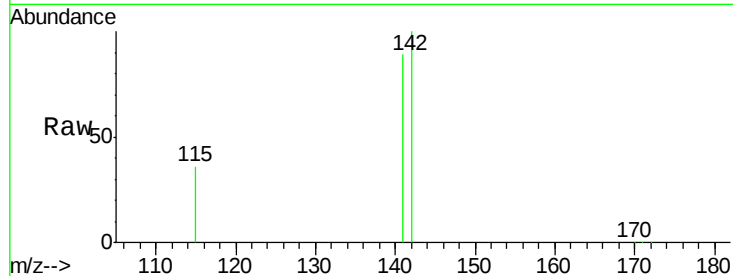
Tot Ion:142 Resp: 153026

Ion Ratio Lower Upper

142 100

141 88.8 74.5 111.7

115 36.0 35.2 52.8



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.35 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

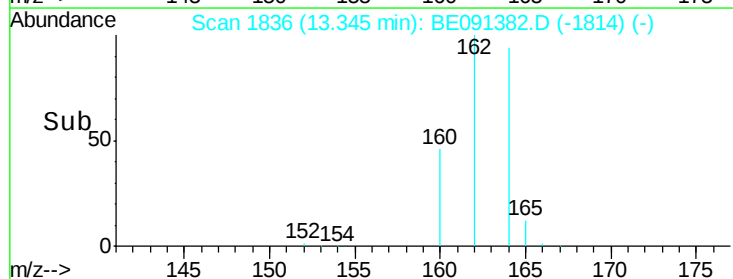
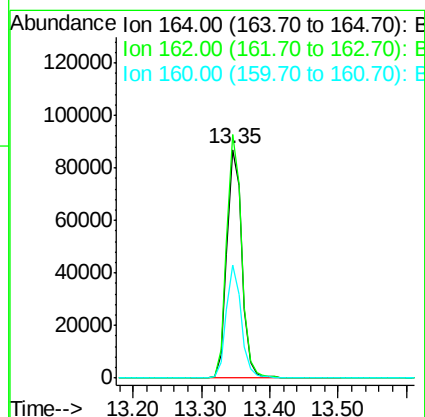
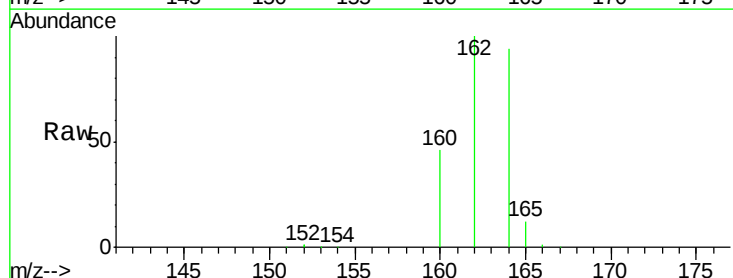
Tgt Ion:164 Resp: 132610

Ion Ratio Lower Upper

164 100

162 106.6 88.5 132.7

160 49.4 76.7 115.1#





#9

2,4,6-Tribromophenol

Concen: 11.29 ng

RT: 14.89 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

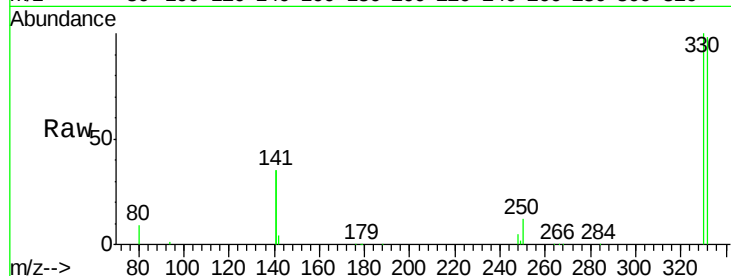
Tot Ion:330 Resp: 30731

Ion Ratio Lower Upper

330 100

332 97.2 78.6 118.0

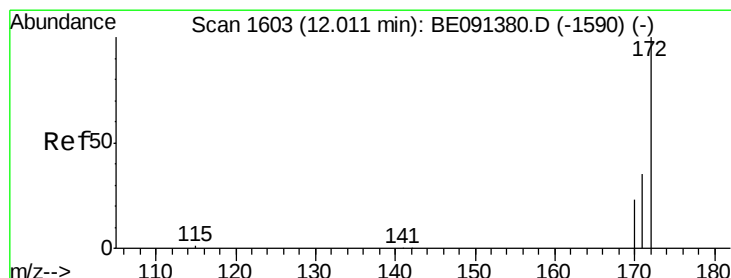
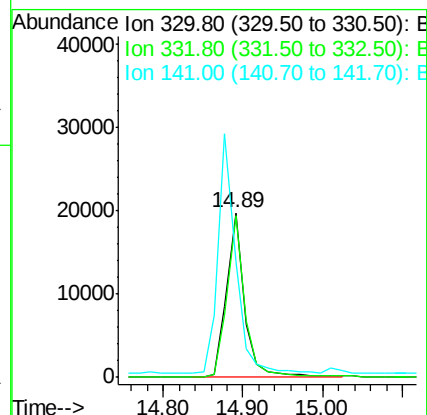
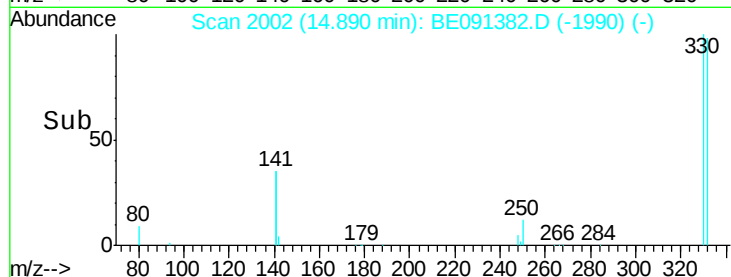
141 147.6 147.8 221.8#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#10

2-Fluorobiphenyl

Concen: 6.38 ng

RT: 11.99 min Scan# 1599

Delta R.T. -0.02 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

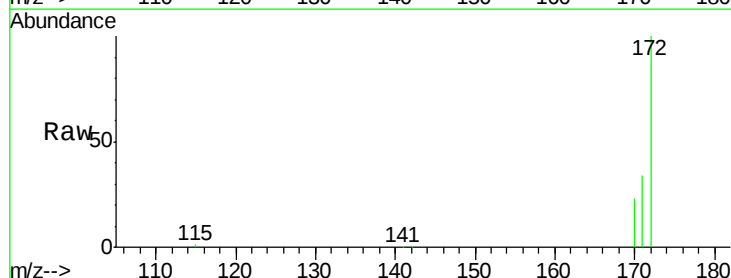
Tgt Ion:172 Resp: 182756

Ion Ratio Lower Upper

172 100

171 34.1 27.3 40.9

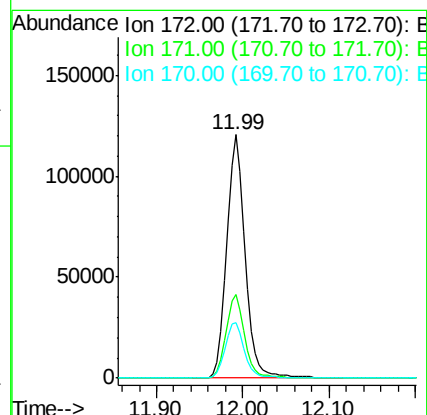
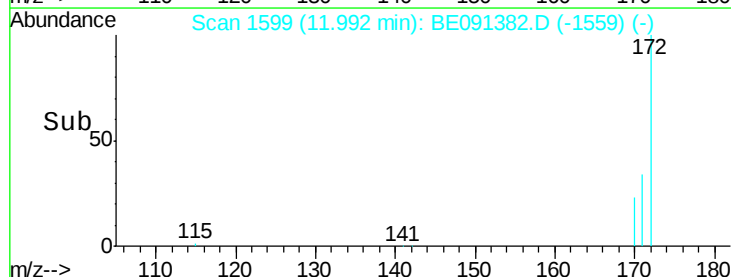
170 22.7 19.8 29.6

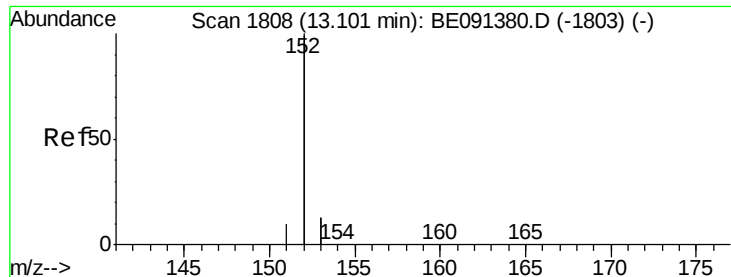


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

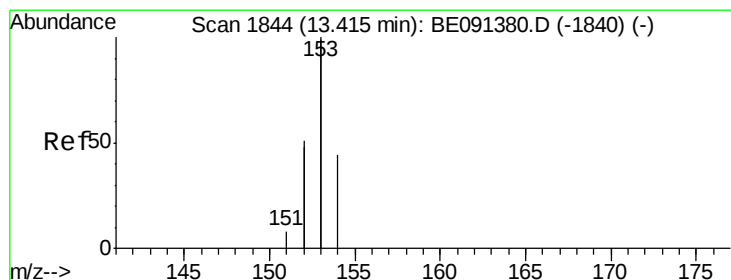
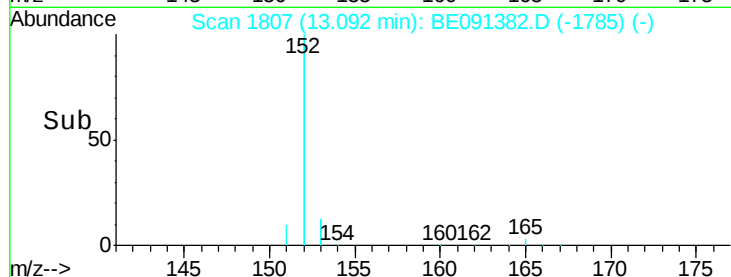
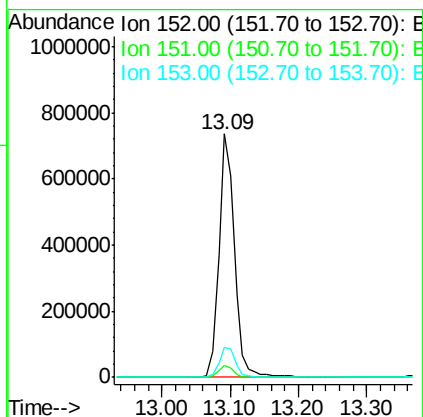
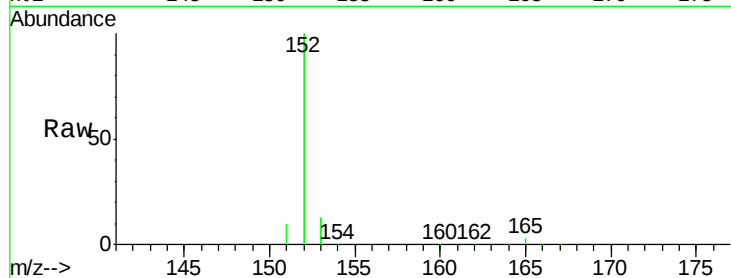




#11
Acenaphthylene
Concen: 6.66 ng
RT: 13.09 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BE091382.D
Acq: 2 Feb 2016 17:58

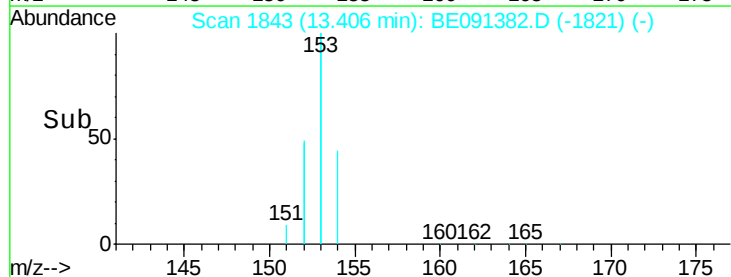
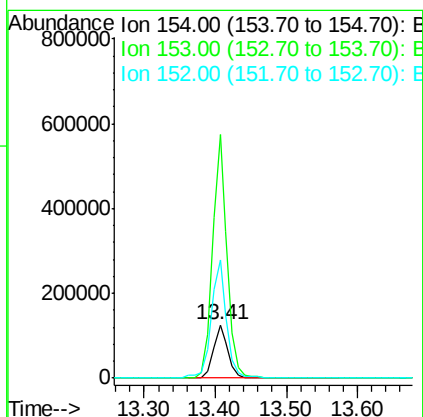
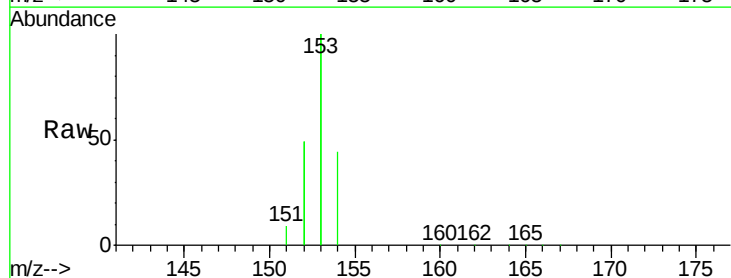
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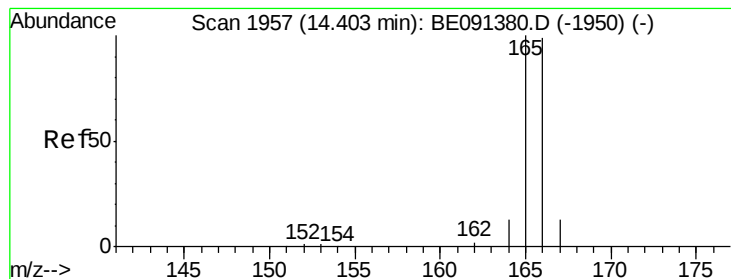
Tot Ion:152 Resp: 1158214
Ion Ratio Lower Upper
152 100
151 4.8 3.8 5.8
153 13.0 10.1 15.1



#12
Acenaphthene
Concen: 4.76 ng
RT: 13.41 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BE091382.D
Acq: 2 Feb 2016 17:58

Tgt Ion:154 Resp: 179171
Ion Ratio Lower Upper
154 100
153 458.7 370.2 555.4
152 233.4 310.5 465.7#





#13

Fluorene

Concen: 5.93 ng

RT: 14.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

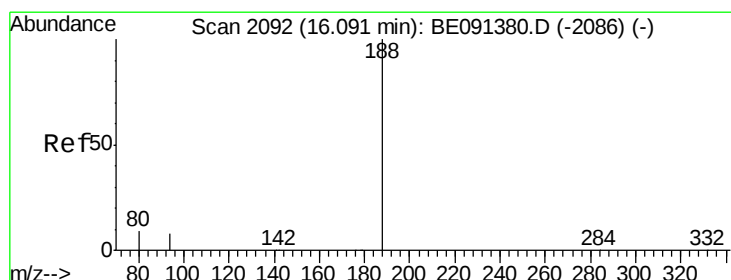
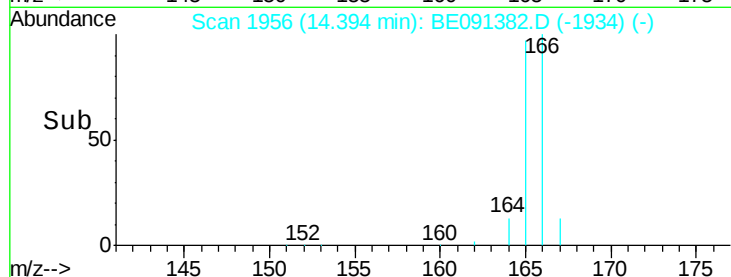
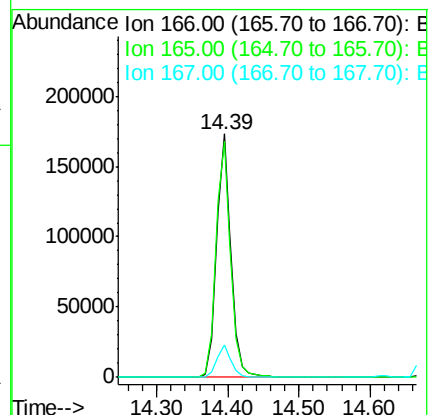
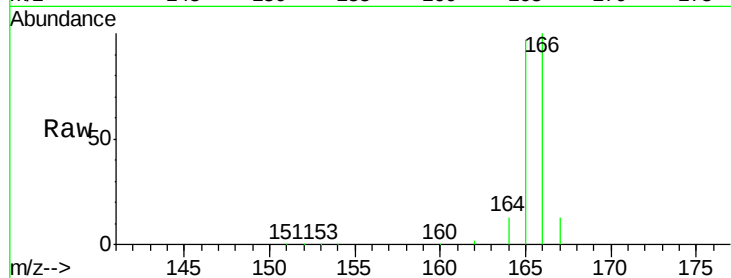
Tot Ion:166 Resp: 247561

Ion Ratio Lower Upper

166 100

165 98.6 83.0 124.6

167 13.4 11.1 16.7



#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.08 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

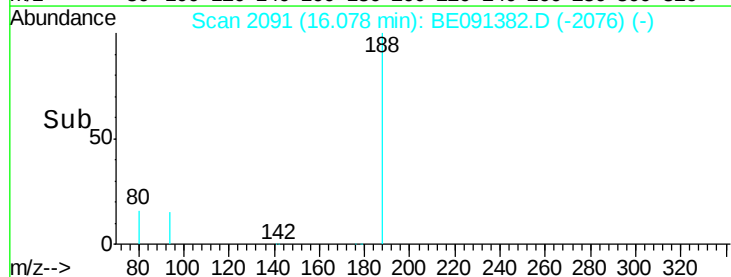
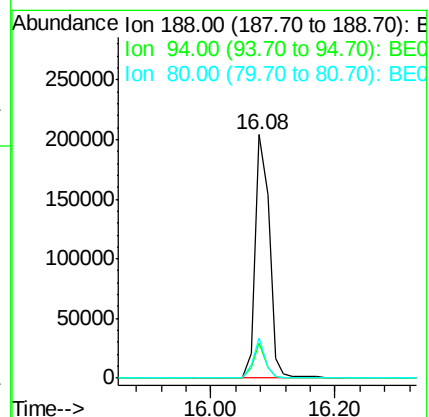
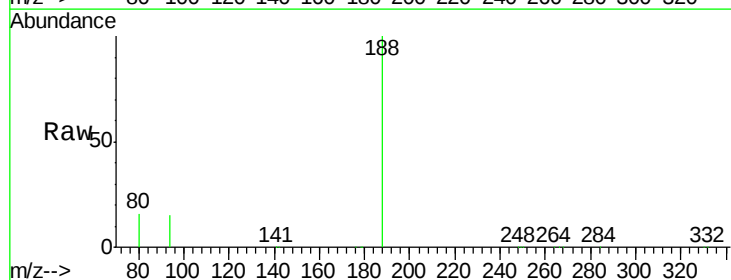
Tgt Ion:188 Resp: 323851

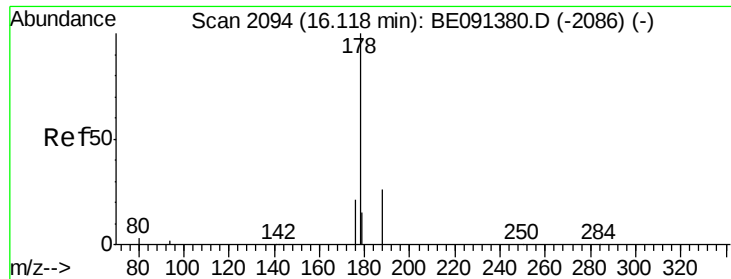
Ion Ratio Lower Upper

188 100

94 14.6 7.5 11.3#

80 16.4 8.2 12.2#





#15

Phenanthrene

Concen: 5.18 ng

RT: 16.12 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

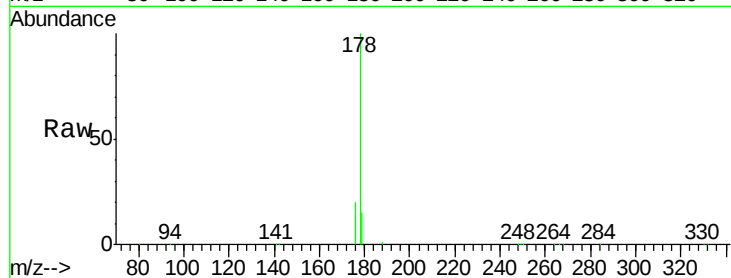
Tot Ion:178 Resp: 415032

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

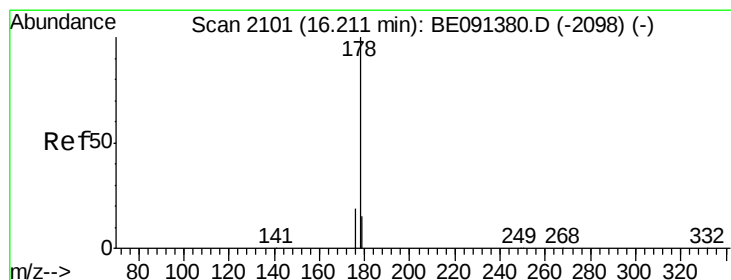
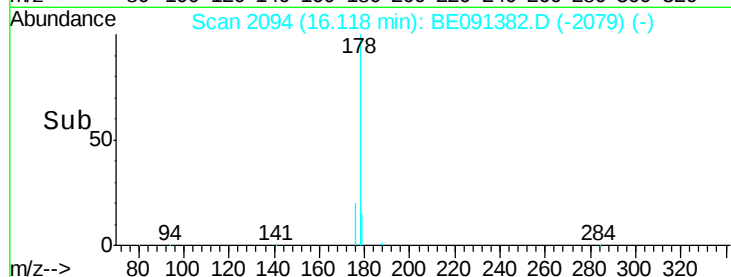
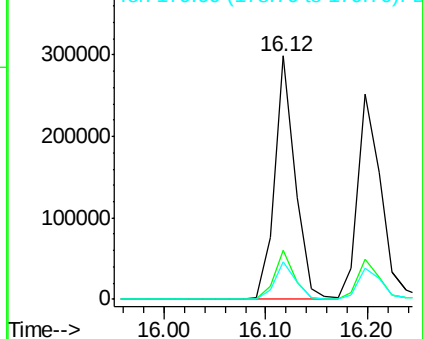
179 15.6 12.8 19.2



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



#16

Anthracene

Concen: 7.15 ng

RT: 16.20 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

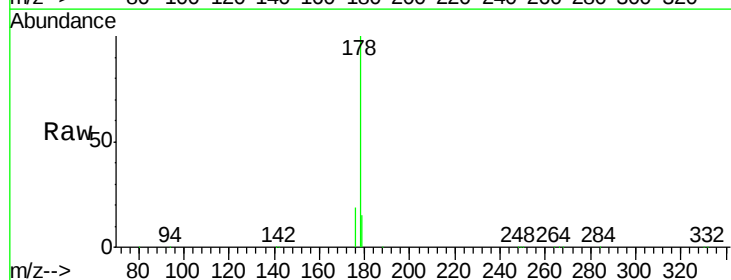
Tgt Ion:178 Resp: 401503

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

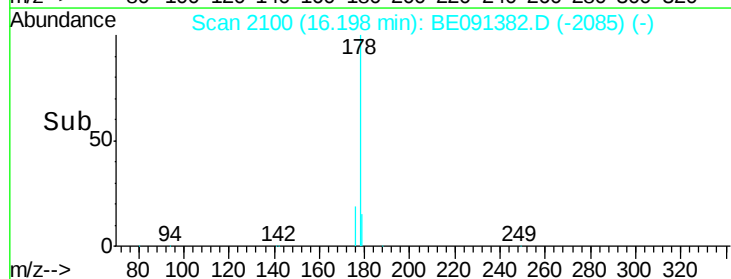
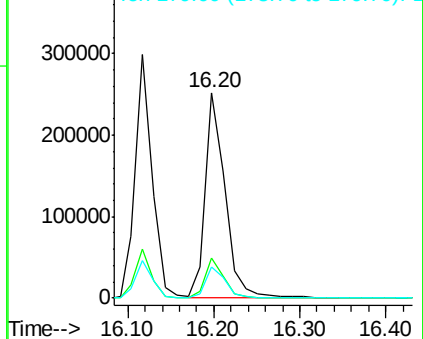
179 15.5 12.4 18.6

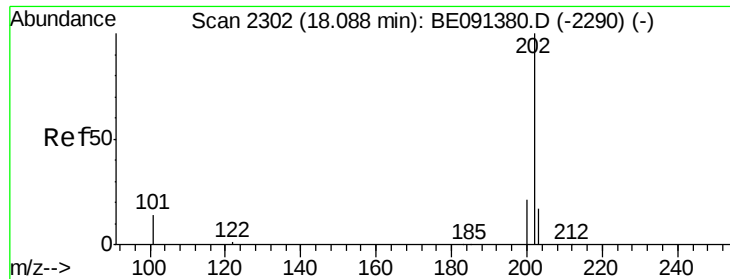


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

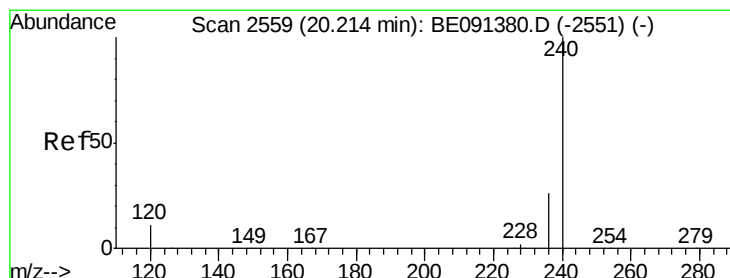
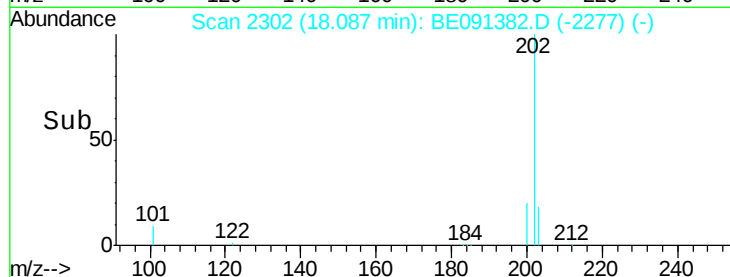
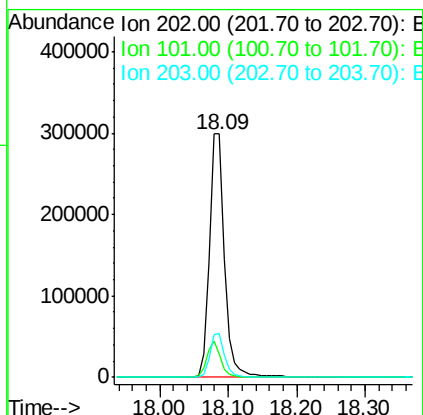
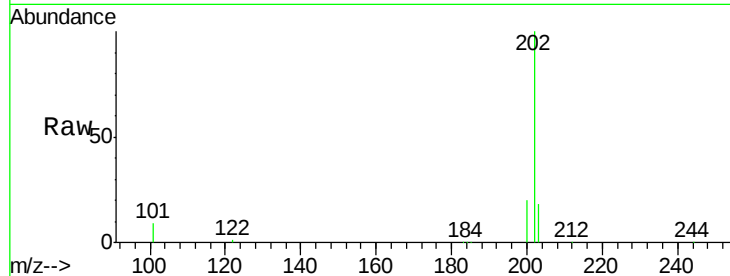




#17
 Fluoranthene
 Concen: 7.96 ng
 RT: 18.09 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BE091382.D
 Acq: 2 Feb 2016 17:58

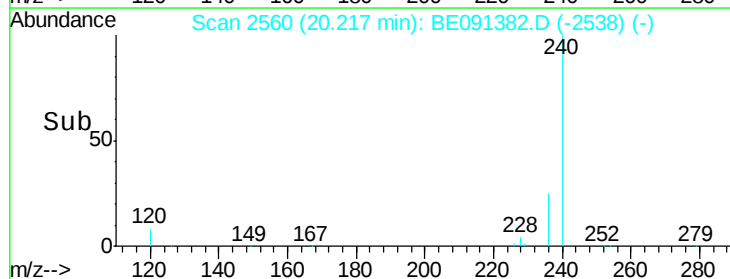
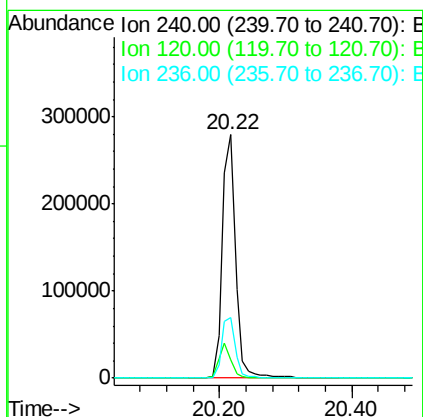
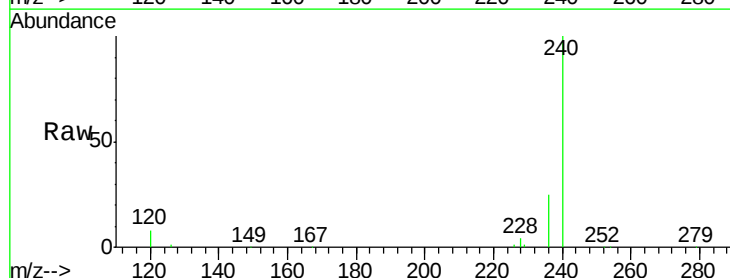
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.0	16.4
203	17.6	13.9	20.9



#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2560
 Delta R.T. 0.00 min
 Lab File: BE091382.D
 Acq: 2 Feb 2016 17:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.8	12.6	19.0#
236	24.8	22.7	34.1





#19

Pvrene

Concen: 8.03 ng

RT: 18.47 min Scan# 2353

Delta R.T. -0.01 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

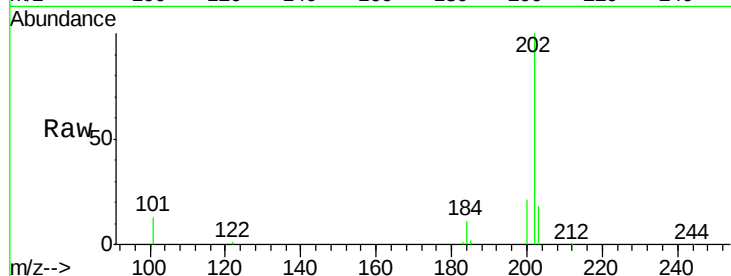
Tot Ion:202 Resp: 478648

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

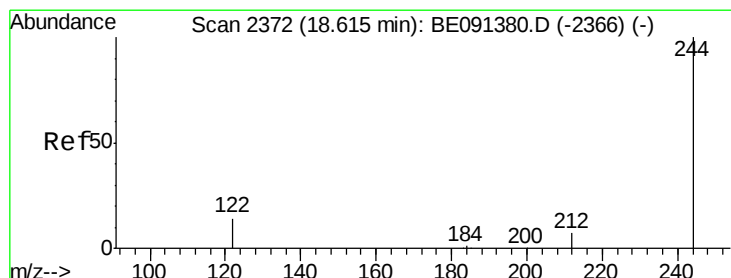
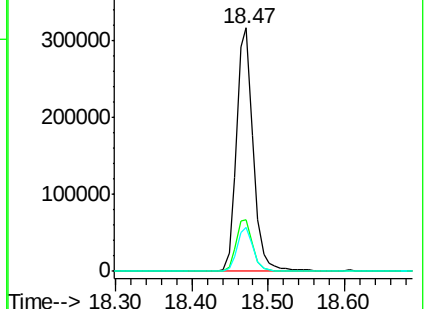
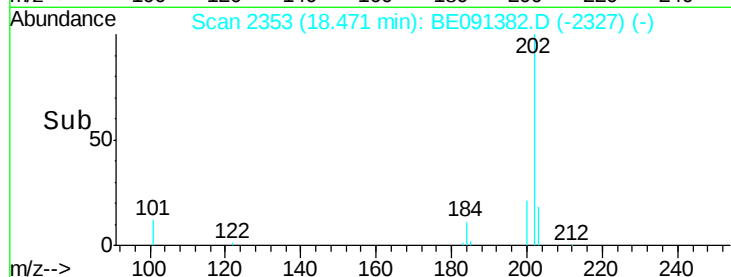
203 17.8 14.2 21.4



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



#20

Terphenyl-d14

Concen: 8.76 ng

RT: 18.61 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

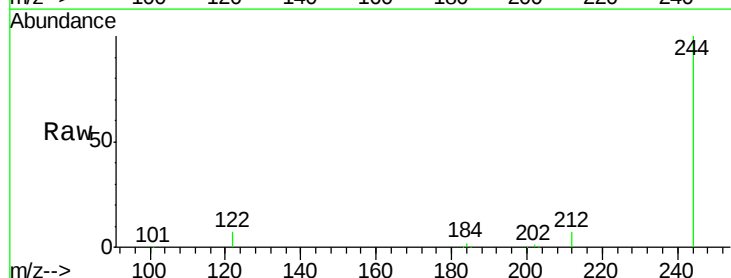
Tgt Ion:244 Resp: 324301

Ion Ratio Lower Upper

244 100

212 6.9 7.0 10.4#

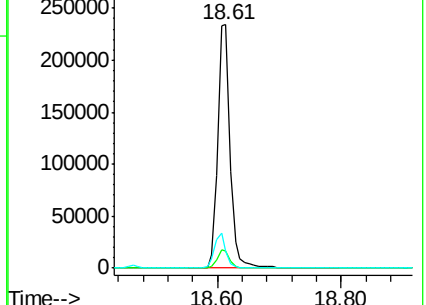
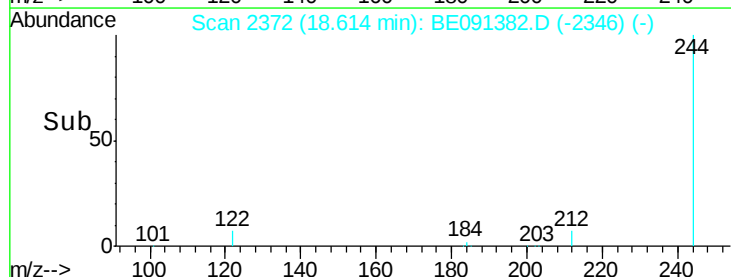
122 6.8 8.5 12.7#

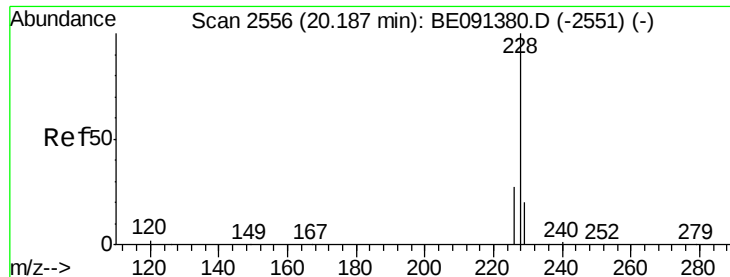


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

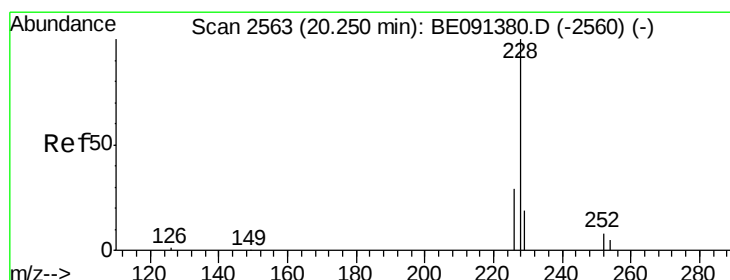
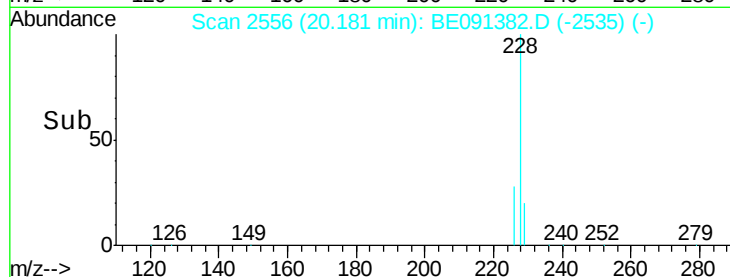
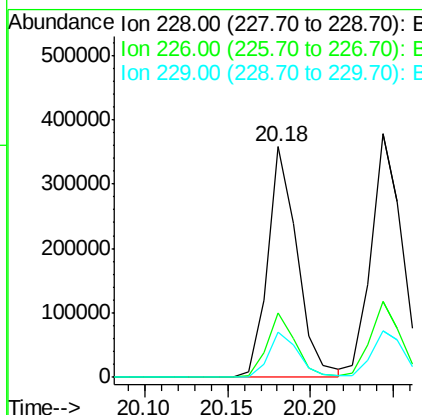
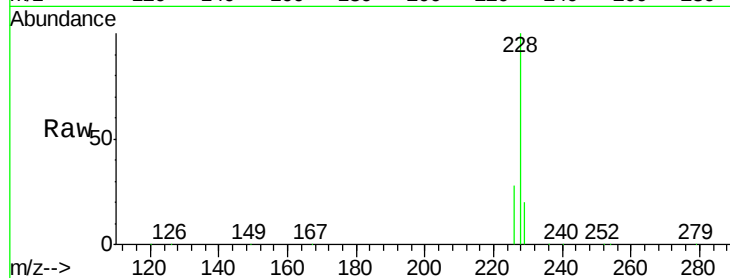




#21
Benzo(a)anthracene
Concen: 8.13 ng
RT: 20.18 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BE091382.D
Acq: 2 Feb 2016 17:58

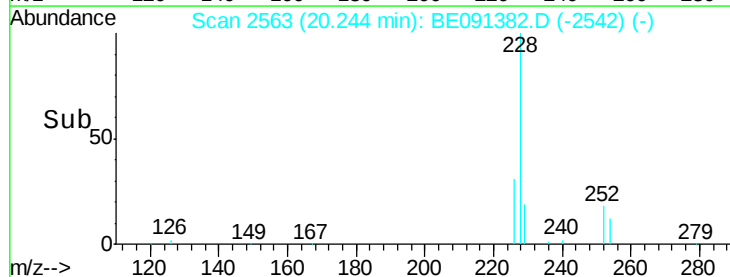
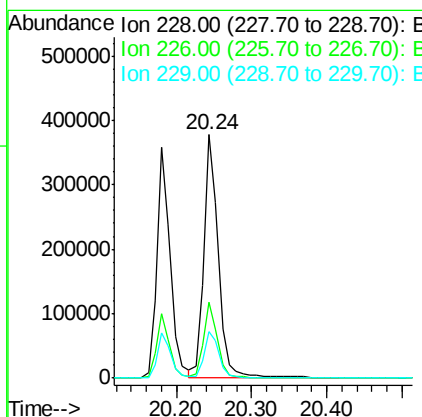
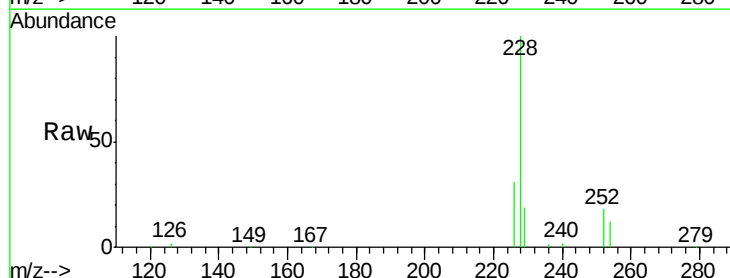
Instrument :
BNA_E
ClientSampleId :
SSTDICC005

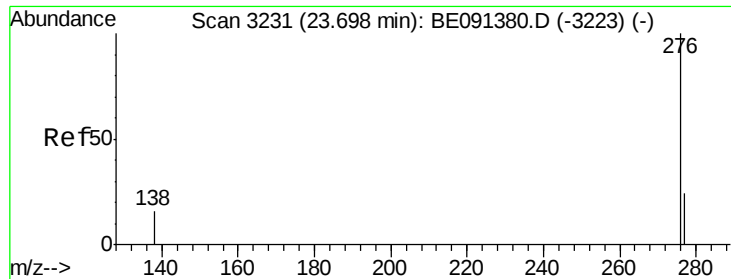
Tot Ion:228 Resp: 441730
Ion Ratio Lower Upper
228 100
226 28.2 22.5 33.7
229 19.6 16.2 24.4



#22
Chrysene
Concen: 5.38 ng
RT: 20.24 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BE091382.D
Acq: 2 Feb 2016 17:58

Tgt Ion:228 Resp: 509293
Ion Ratio Lower Upper
228 100
226 31.1 23.7 35.5
229 19.3 16.0 24.0

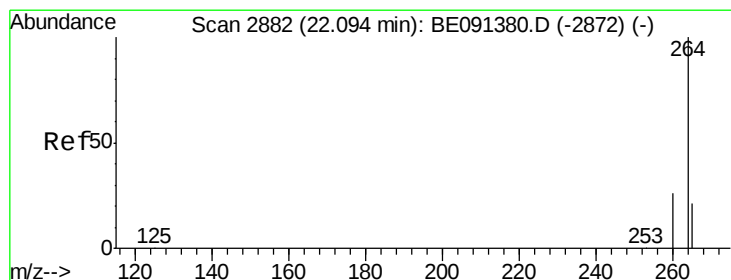
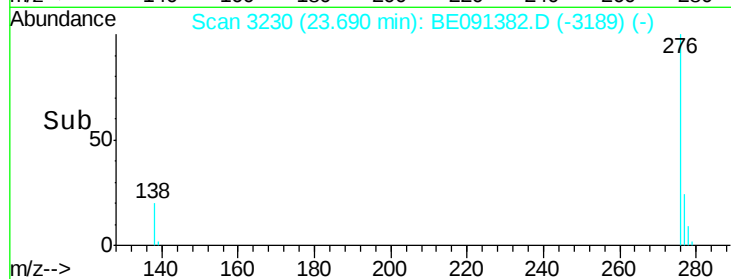
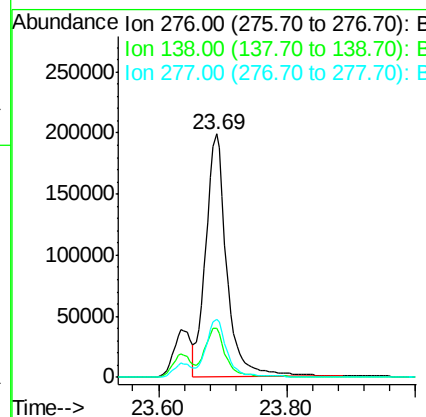
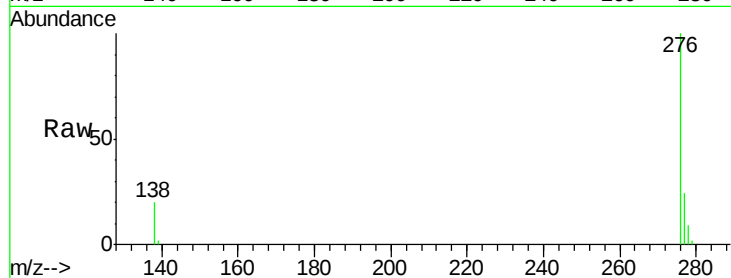




#23
Indeno(1,2,3-cd)pyrene
Concen: 7.27 ng
RT: 23.69 min Scan# 3230
Delta R.T. -0.01 min
Lab File: BE091382.D
Acq: 2 Feb 2016 17:58

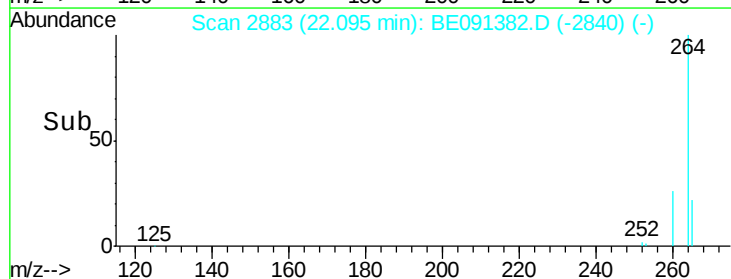
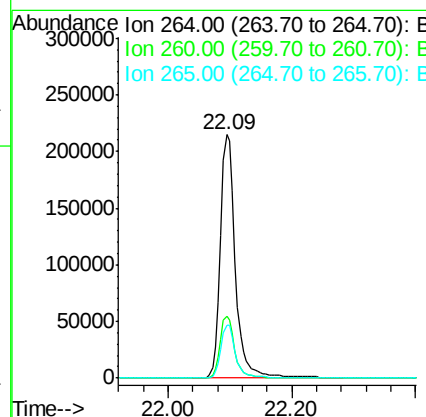
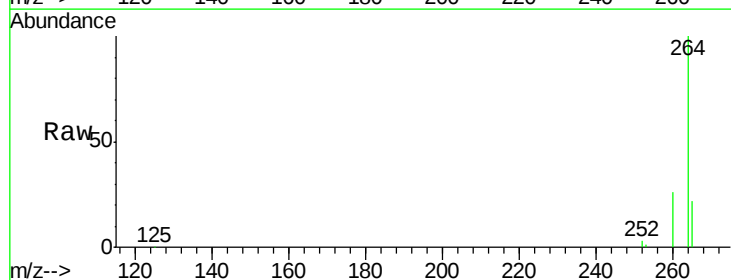
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion:276 Resp: 449683
Ion Ratio Lower Upper
276 100
138 20.3 18.6 27.8
277 23.8 16.5 24.7



#24
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091382.D
Acq: 2 Feb 2016 17:58

Tgt Ion:264 Resp: 364667
Ion Ratio Lower Upper
264 100
260 25.7 20.4 30.6
265 21.8 17.2 25.8





#25

Benzo(b)fluoranthene

Concen: 7.54 ng

RT: 21.54 min Scan# 2761

Delta R.T. -0.01 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

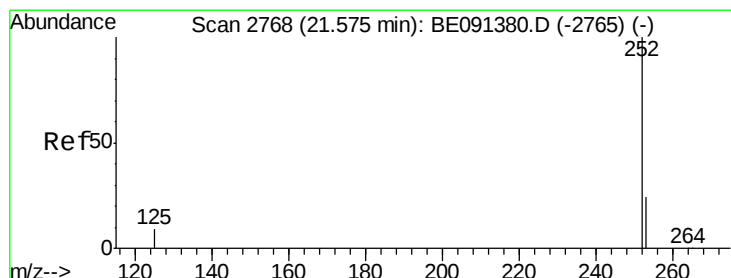
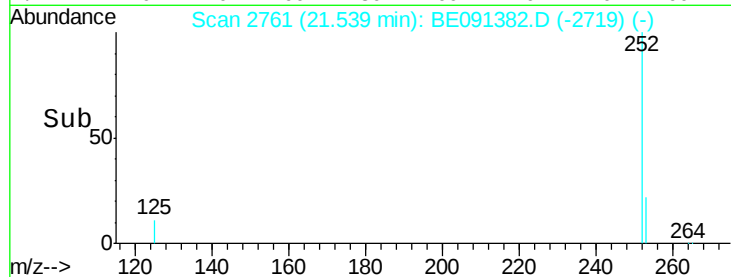
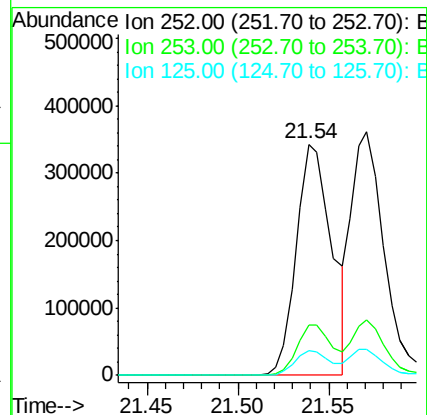
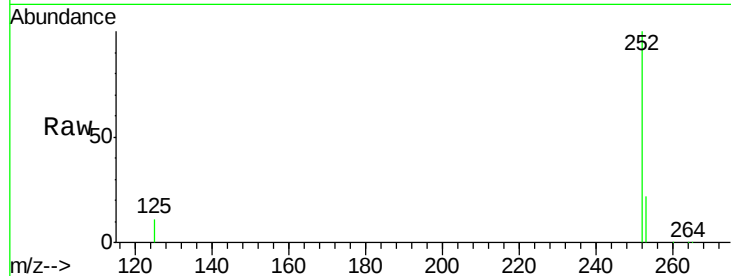
Tot Ion:252 Resp: 461602

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 11.0 11.0 16.6#



#26

Benzo(k)fluoranthene

Concen: 6.59 ng

RT: 21.57 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

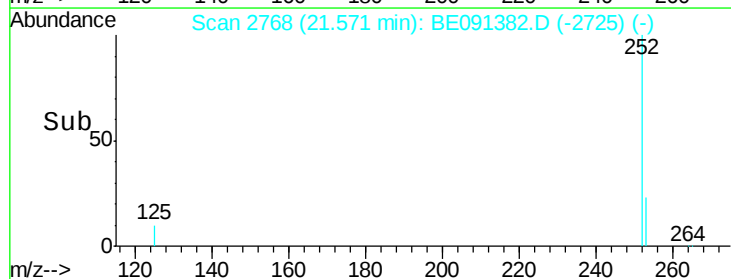
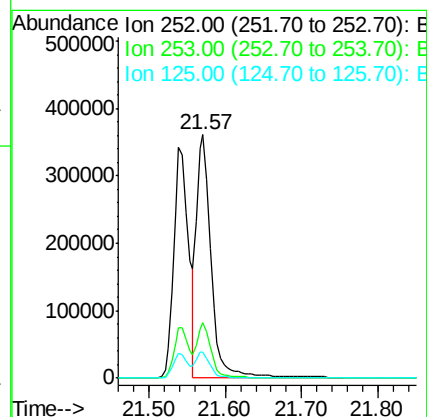
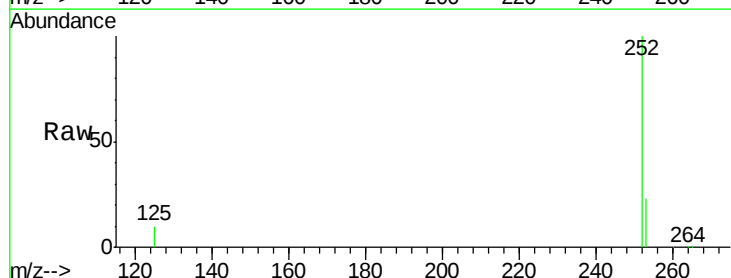
Tgt Ion:252 Resp: 471338

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.5 11.3 16.9#





#27

Benzo(a)pyrene

Concen: 6.75 ng

RT: 22.00 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

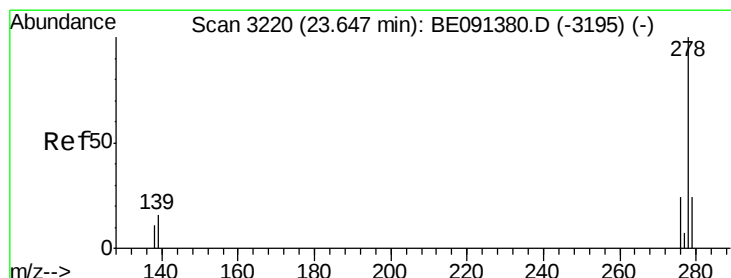
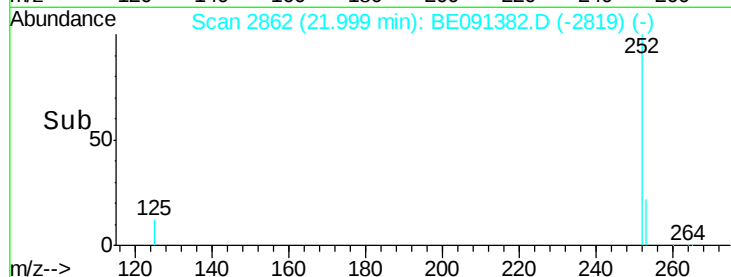
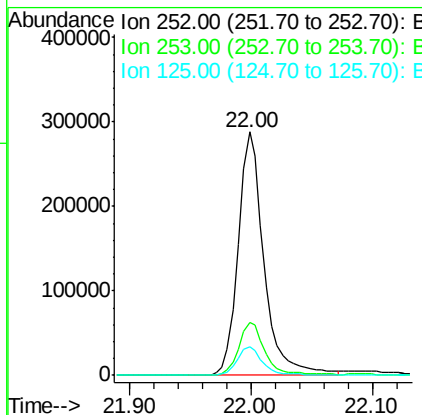
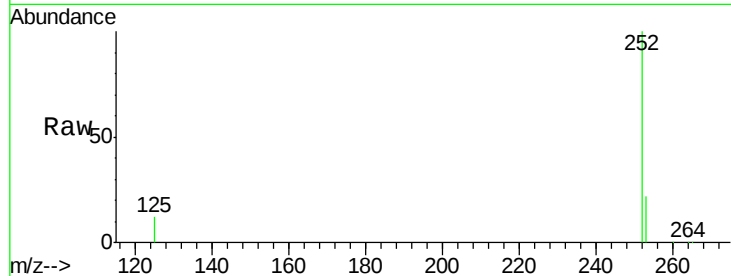
Instrument :

BNA_E

ClientSampleId :

SSTDIC005

Tot Ion:	252	Resp:	421979
Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	11.8	12.2	18.4#



#28

Dibenzo(a,h)anthracene

Concen: 8.74 ng

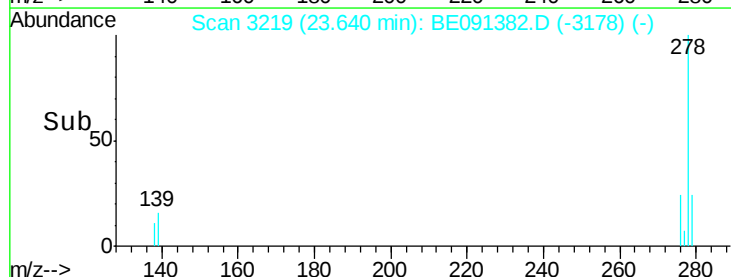
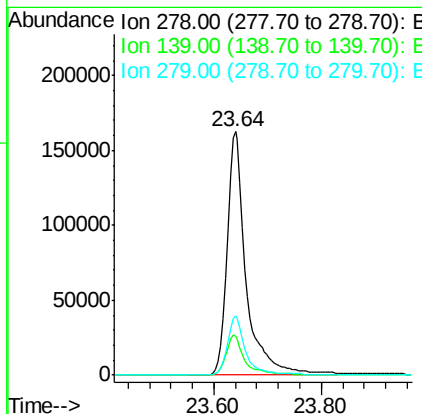
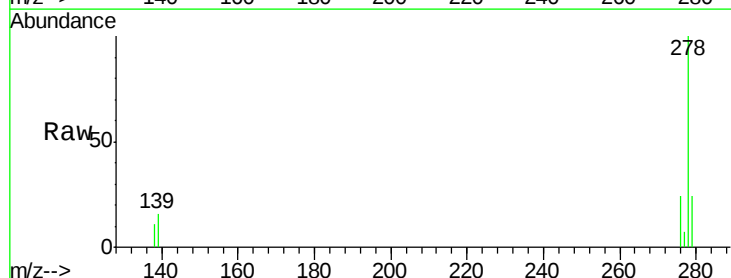
RT: 23.64 min Scan# 3219

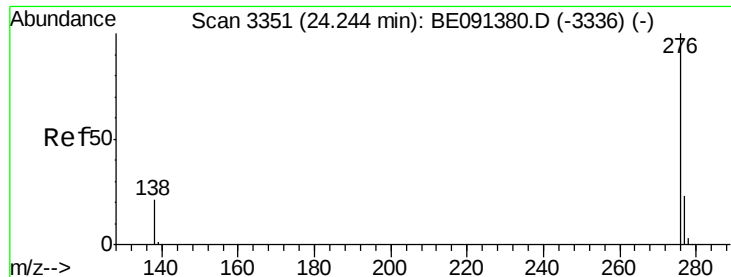
Delta R.T. -0.01 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Tgt Ion:	278	Resp:	405854
Ion	Ratio	Lower	Upper
278	100		
139	15.9	16.3	24.5#
279	24.4	19.4	29.2





#29

Benzo(a,h,i)perylene

Concen: 7.66 ng

RT: 24.24 min Scan# 3350

Delta R.T. -0.02 min

Lab File: BE091382.D

Acq: 2 Feb 2016 17:58

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

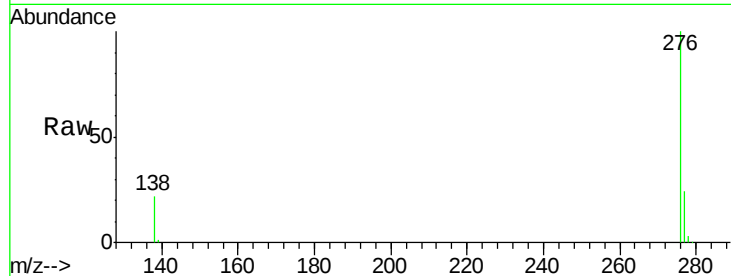
Tot Ion: 276 Resp: 453211

Ion Ratio Lower Upper

276 100

277 23.6 19.8 29.6

138 22.0 23.3 34.9#



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

