

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020216\
 Data File : BE091377.D
 Acq On : 2 Feb 2016 14:53
 Operator : UM/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Quant Time: Feb 02 17:48:07 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 17:28:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	45080	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	204703	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	131427	5.00	ng	0.00
14) Phenanthrene-d10	16.09	188	356380	5.00	ng	0.00
18) Chrysene-d12	20.22	240	383444	5.00	ng	0.00
24) Perylene-d12	22.09	264	361237	5.00	ng	0.00

System Monitoring Compounds						
2) 2-Fluorophenol	5.04	112	1375	0.29	ng	0.09
3) Phenol-d6	6.63	99	2508	0.33	ng	0.06
5) Nitrobenzene-d5	8.21	82	2015	0.17	ng	0.05
9) 2,4,6-Tribromophenol	14.92	330	724	0.27	ng	0.01
10) 2-Fluorobiphenyl	12.02	172	8321	0.29	ng	0.01
20) Terphenyl-d14	18.62	244	13810	0.38	ng	0.00

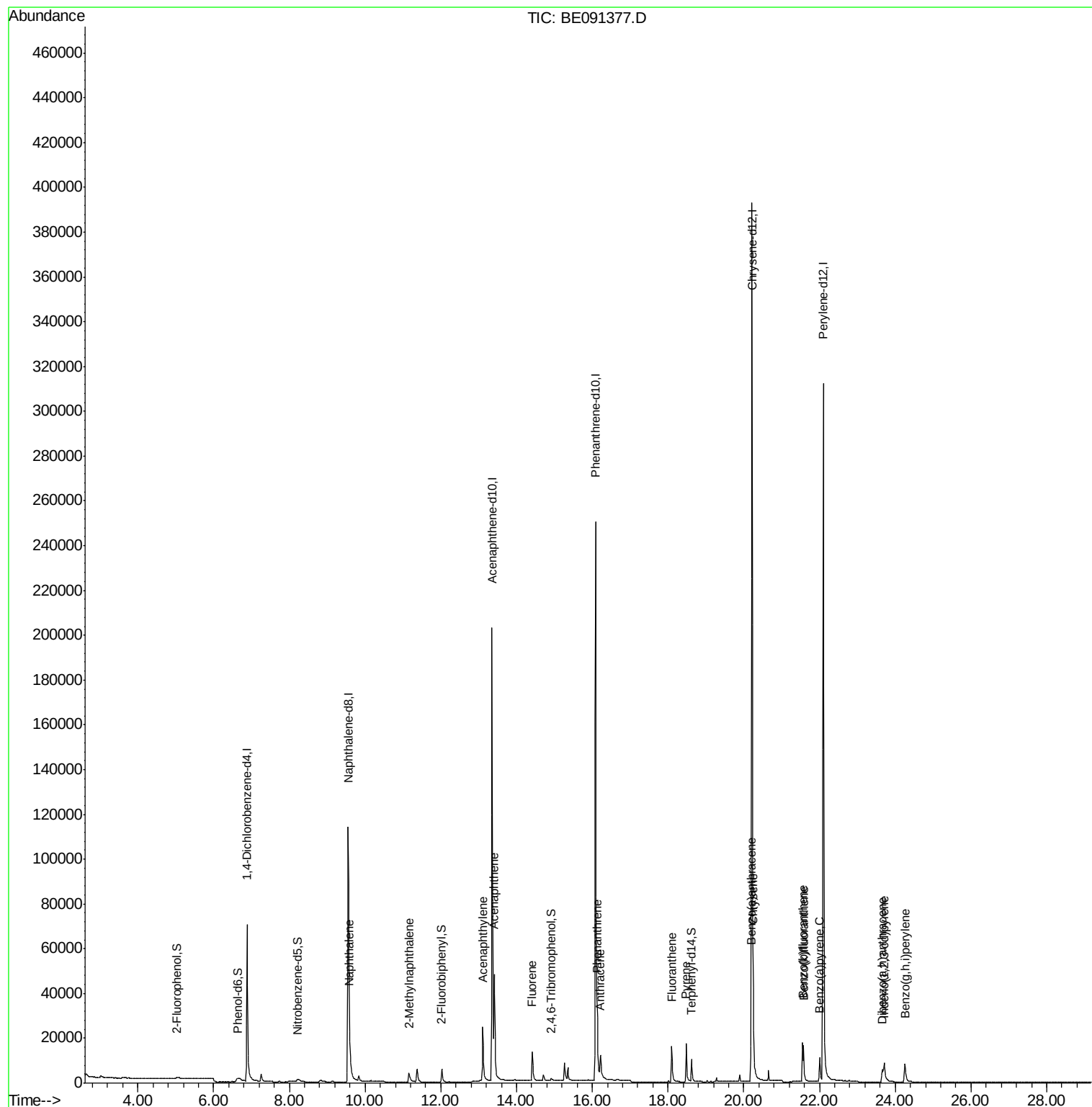
Target Compounds				Qvalue		
6) Naphthalene	9.60	128	11883	0.27	ng	99
7) 2-Methylnaphthalene	11.16	142	5880	0.34	ng	95
11) Acenaphthylene	13.11	152	40808	0.24	ng	99
12) Acenaphthene	13.42	154	9586	0.26	ng	# 72
13) Fluorene	14.41	166	11584	0.28	ng	97
15) Phenanthrene	16.13	178	24770	0.28	ng	99
16) Anthracene	16.21	178	18373	0.30	ng	100
17) Fluoranthene	18.10	202	21489	0.34	ng	99
19) Pyrene	18.48	202	20048	0.34	ng	100
21) Benzo(a)anthracene	20.19	228	16856	0.32	ng	98
22) Chrysene	20.25	228	28906	0.31	ng	98
23) Indeno(1,2,3-cd)pyrene	23.71	276	16342m	0.27	ng	
25) Benzo(b)fluoranthene	21.55	252	17413m	0.29	ng	
26) Benzo(k)fluoranthene	21.58	252	21356	0.30	ng	# 96
27) Benzo(a)pyrene	22.00	252	15585	0.25	ng	97
28) Dibenzo(a,h)anthracene	23.66	278	12284	0.27	ng	98
29) Benzo(a,h,i)perylene	24.26	276	17750	0.30	ng	# 92

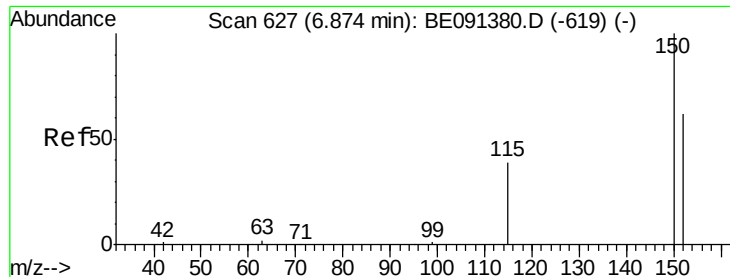
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020216\
Data File : BE091377.D
Acq On : 2 Feb 2016 14:53
Operator : UM/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Quant Time: Feb 02 17:48:07 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 17:28:11 2016
Response via : Initial Calibration



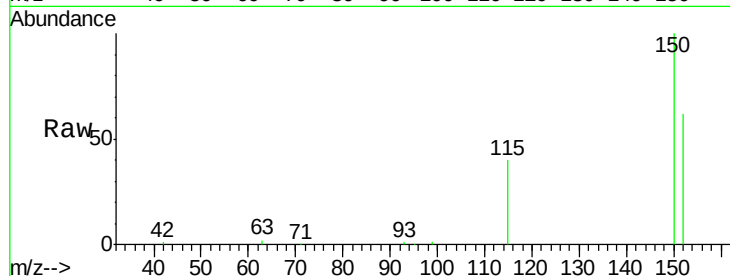


#1

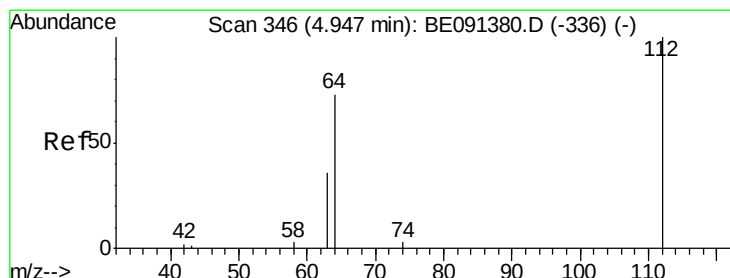
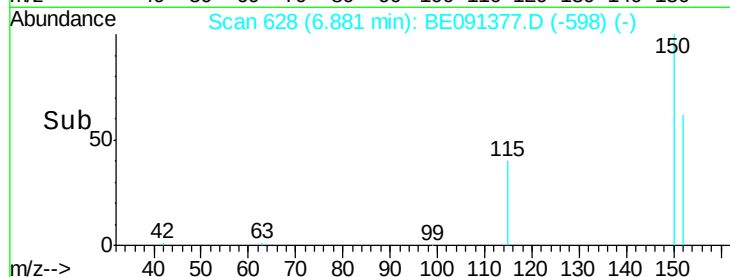
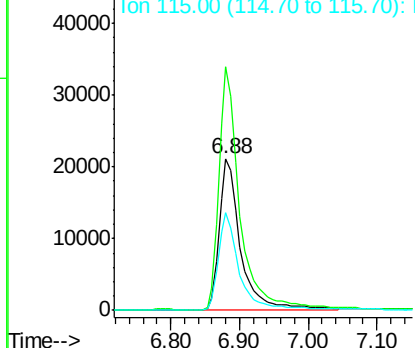
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.88 min Scan# 628
Delta R.T. 0.01 min
Lab File: BE091377.D
Acq: 2 Feb 2016 14:53

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tot Ion:152 Resp: 45080
Ion Ratio Lower Upper
152 100
150 160.4 121.6 182.4
115 64.2 50.6 75.8



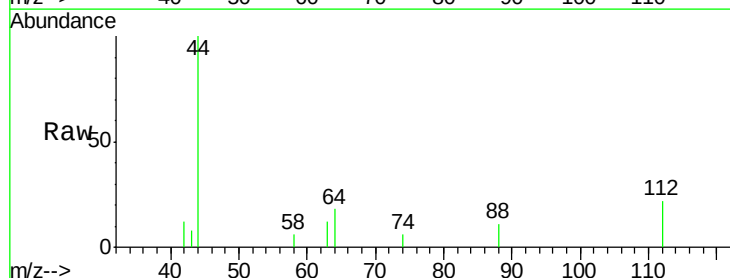
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



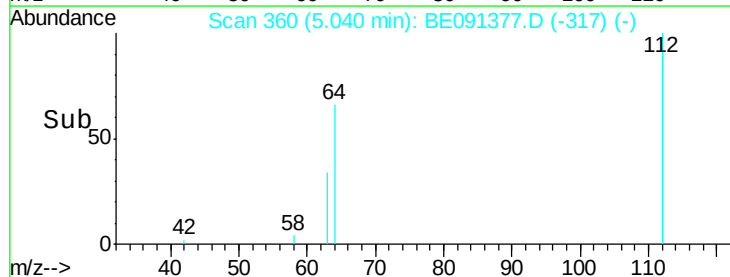
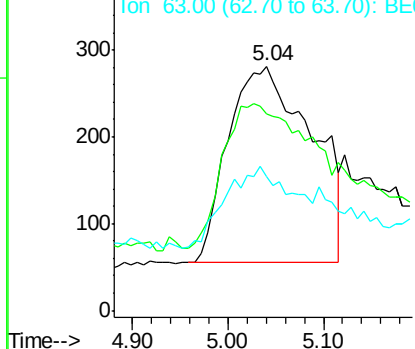
#2

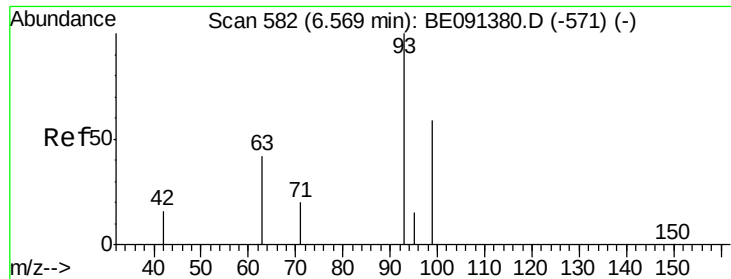
2-Fluorophenol
Concen: 0.29 ng
RT: 5.04 min Scan# 360
Delta R.T. 0.09 min
Lab File: BE091377.D
Acq: 2 Feb 2016 14:53

Tgt Ion:112 Resp: 1375
Ion Ratio Lower Upper
112 100
64 81.6 57.4 86.0
63 34.3 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: 0.33 ng

RT: 6.63 min Scan# 591

Delta R.T. 0.06 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

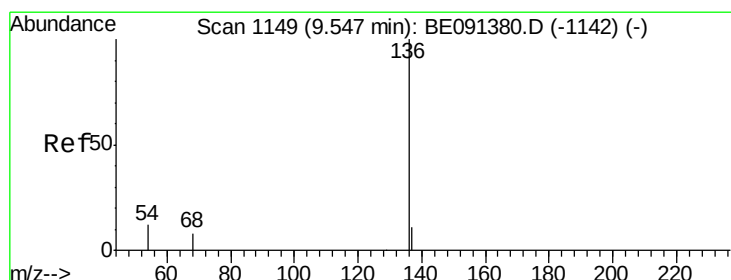
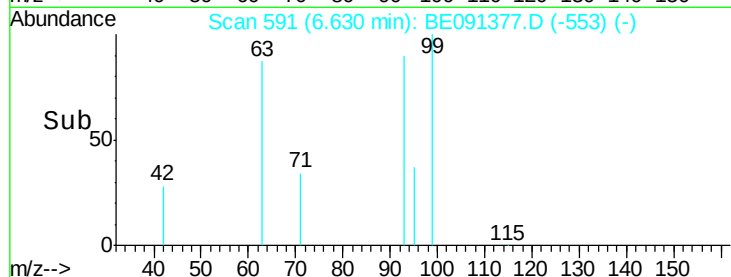
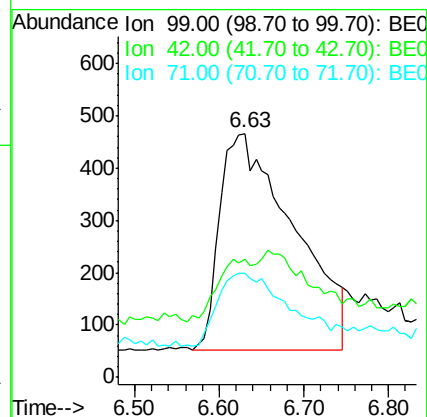
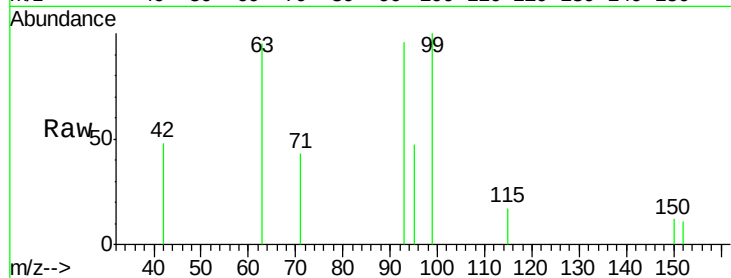
Tot Ion: 99 Resp: 2508

Ion Ratio Lower Upper

99 100

42 13.0 22.9 34.3#

71 33.6 35.4 53.2#



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.55 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Tgt Ion: 136 Resp: 204703

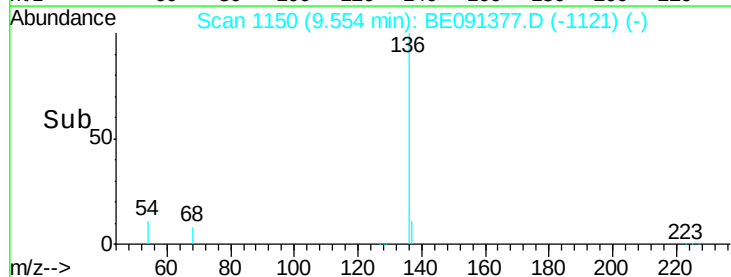
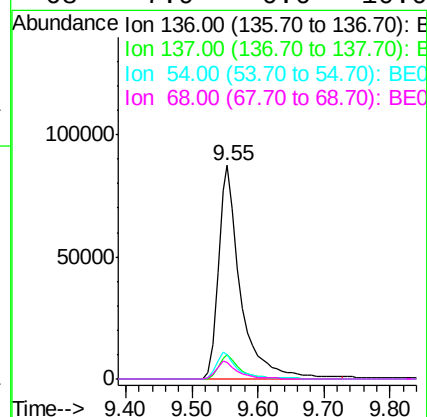
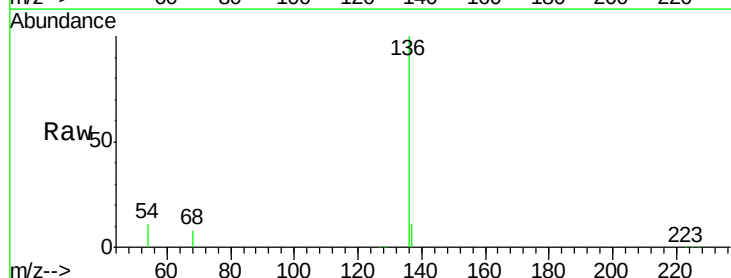
Ion Ratio Lower Upper

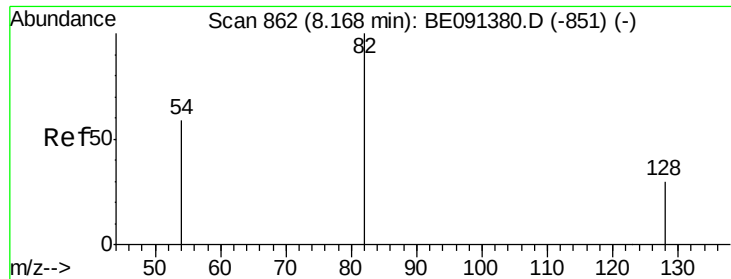
136 100

137 11.2 8.7 13.1

54 11.1 9.8 14.6

68 7.9 6.6 10.0





#5

Nitrobenzene-d5

Concen: 0.17 ng

RT: 8.21 min Scan# 872

Delta R.T. 0.05 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

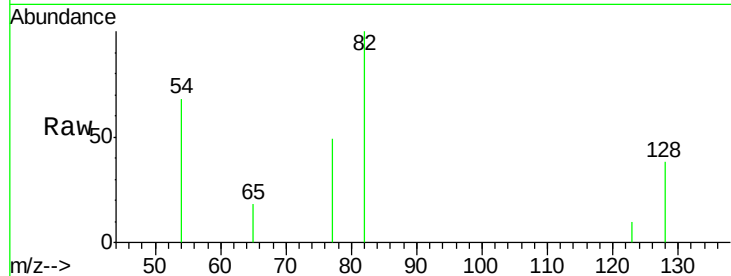
Tot Ion: 82 Resp: 2015

Ion Ratio Lower Upper

82 100

128 38.1 24.6 36.8#

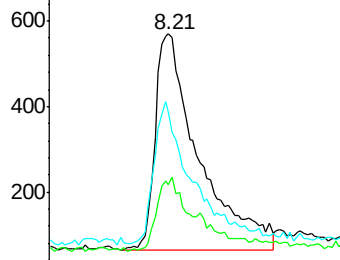
54 68.1 52.7 79.1



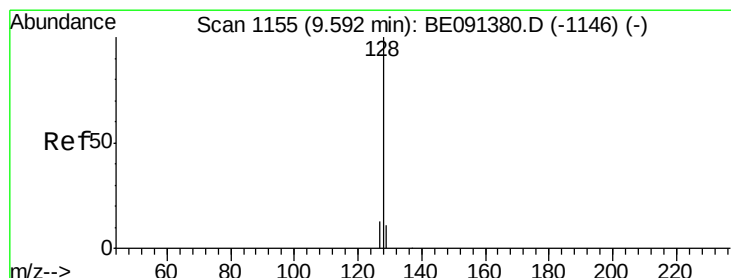
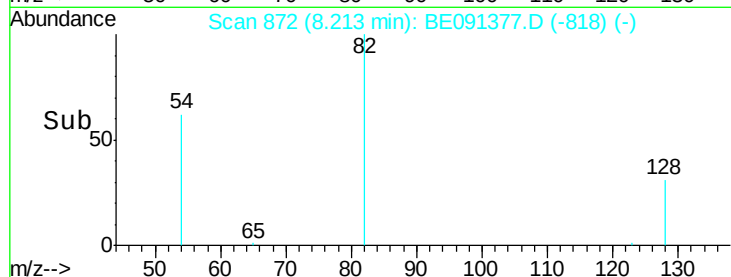
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#6

Naphthalene

Concen: 0.27 ng

RT: 9.60 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

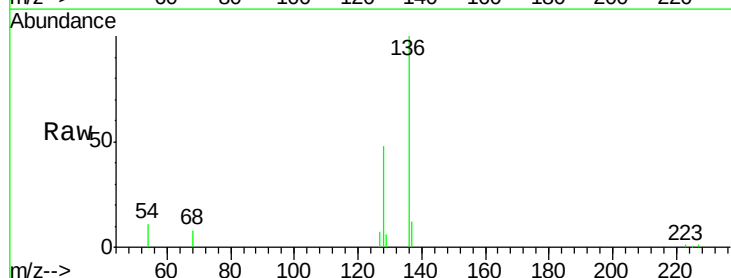
Tgt Ion: 128 Resp: 11883

Ion Ratio Lower Upper

128 100

129 12.0 9.3 13.9

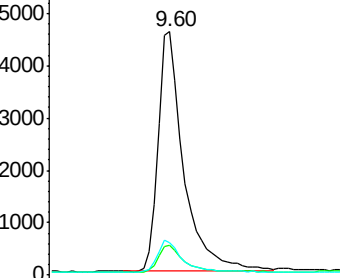
127 13.5 10.6 15.8



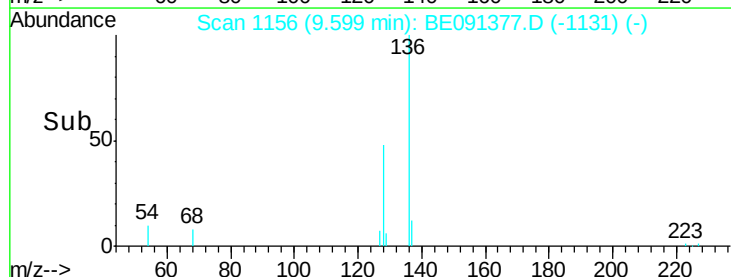
Abundance Ion 128.00 (127.70 to 128.70): E

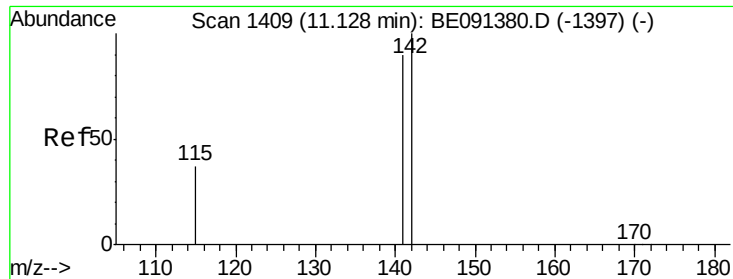
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#7

2-Methylnaphthalene

Concen: 0.34 ng

RT: 11.16 min Scan# 1416

Delta R.T. 0.03 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2

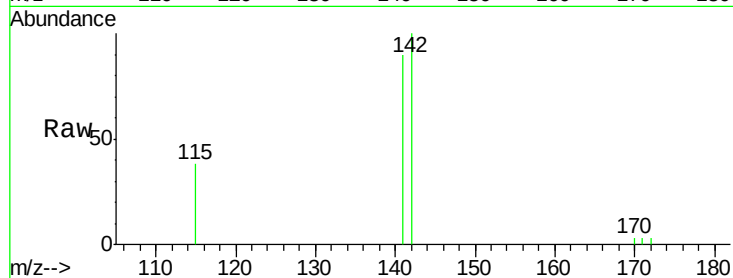
Tot Ion:142 Resp: 5880

Ion Ratio Lower Upper

142 100

141 89.8 74.5 111.7

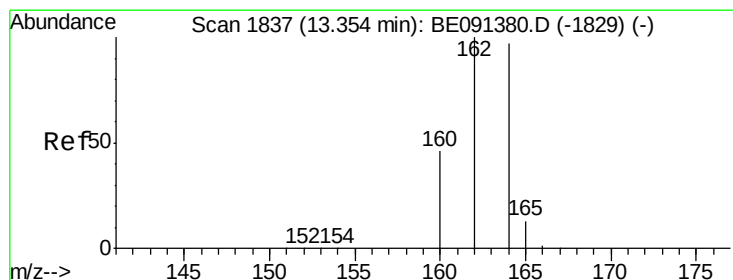
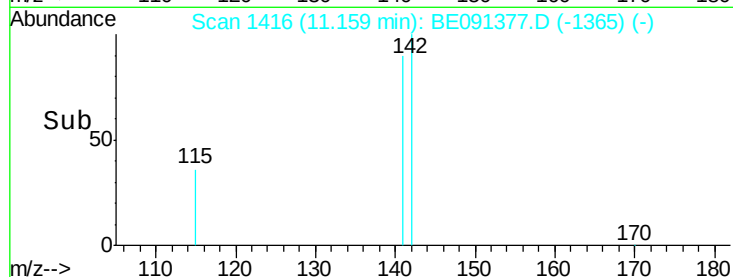
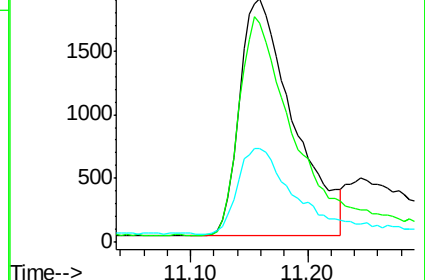
115 38.3 35.2 52.8



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: 13.35 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

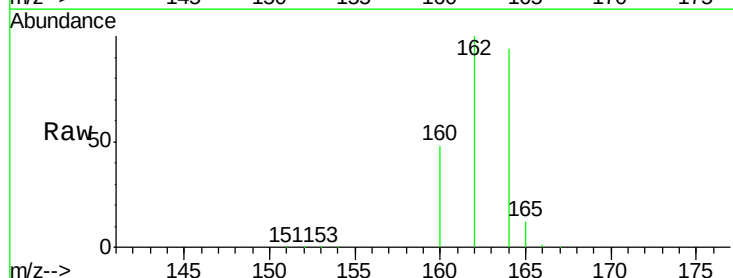
Tgt Ion:164 Resp: 131427

Ion Ratio Lower Upper

164 100

162 106.0 88.5 132.7

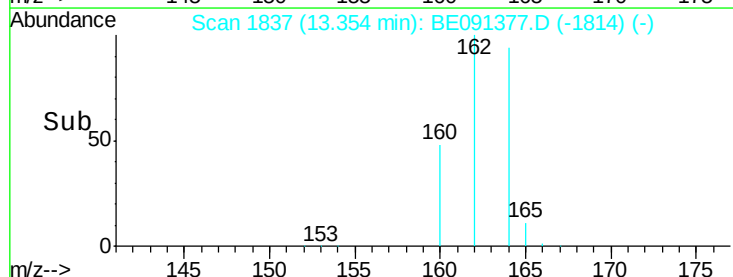
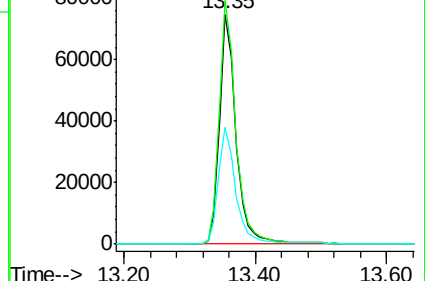
160 51.1 76.7 115.1#

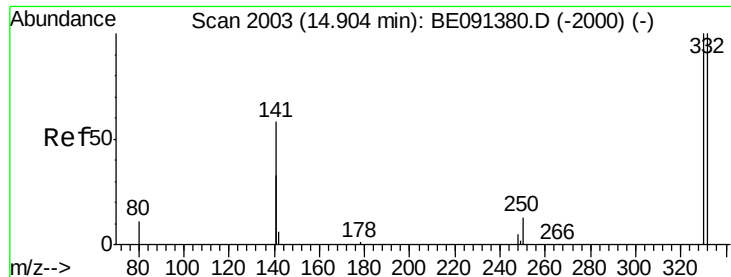


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2,4,6-Tribromophenol

Concen: 0.27 ng

RT: 14.92 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampled :

SSTDICC0.2

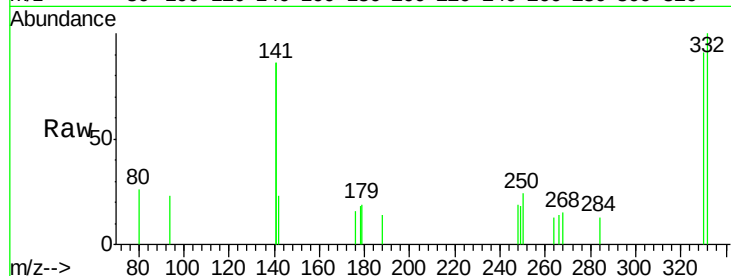
Tot Ion:330 Resp: 724

Ion Ratio Lower Upper

330 100

332 101.4 78.6 118.0

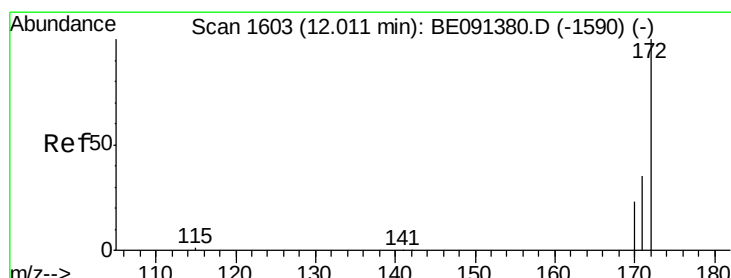
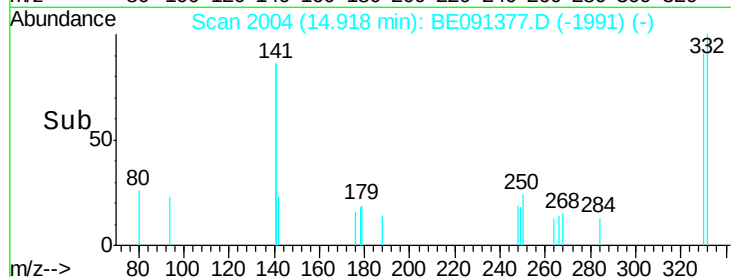
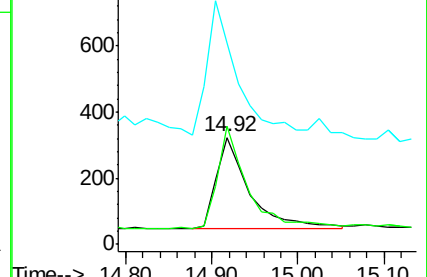
141 135.2 147.8 221.8#



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: 0.29 ng

RT: 12.02 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

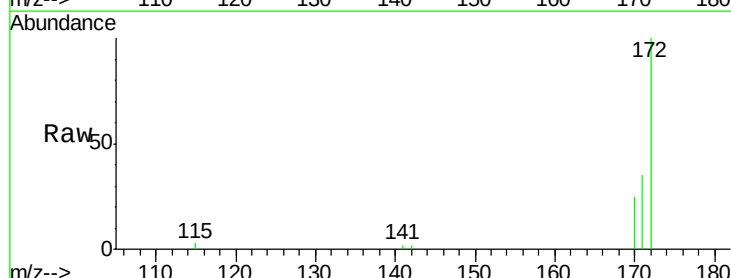
Tgt Ion:172 Resp: 8321

Ion Ratio Lower Upper

172 100

171 35.2 27.3 40.9

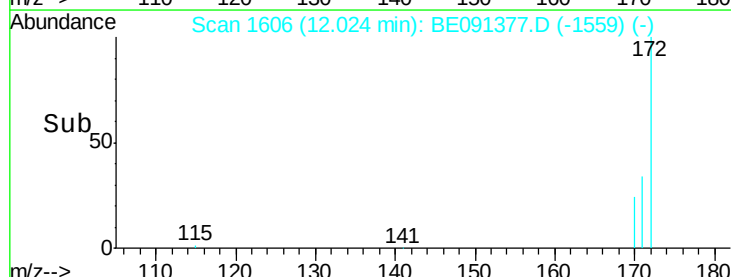
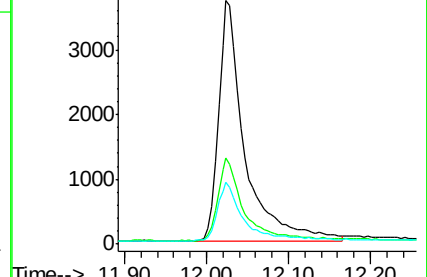
170 25.3 19.8 29.6

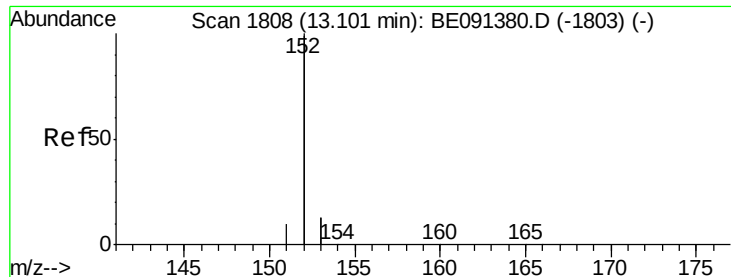


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#11

Acenaphthylene

Concen: 0.24 ng

RT: 13.11 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

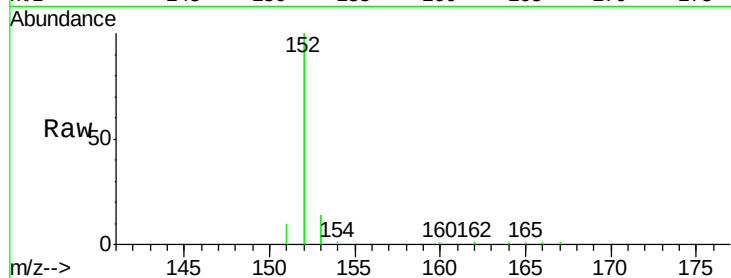
Tot Ion:152 Resp: 40808

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.8

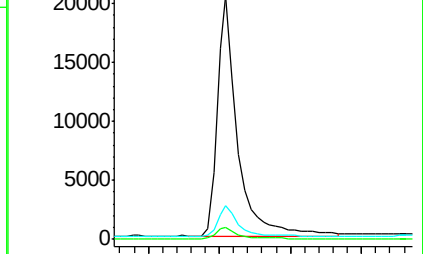
153 12.9 10.1 15.1



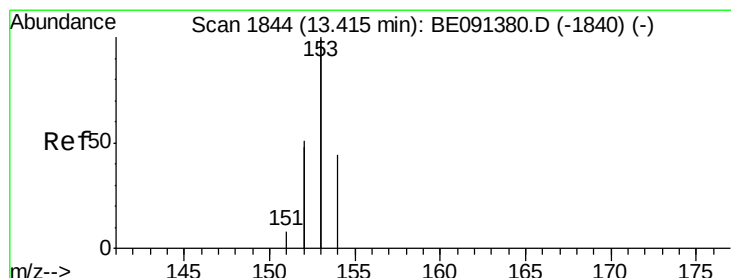
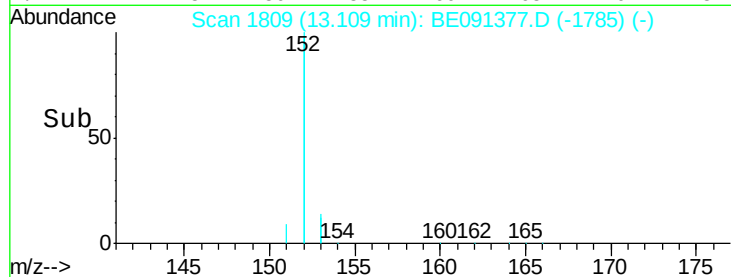
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#12

Acenaphthene

Concen: 0.26 ng

RT: 13.42 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

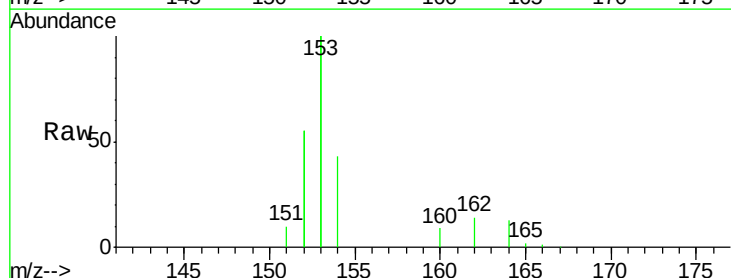
Tgt Ion:154 Resp: 9586

Ion Ratio Lower Upper

154 100

153 465.6 370.2 555.4

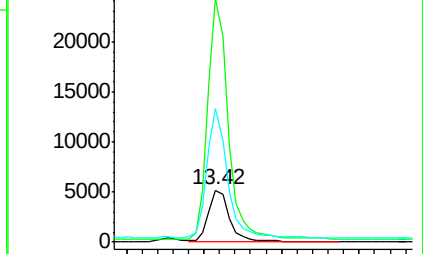
152 248.4 310.5 465.7#



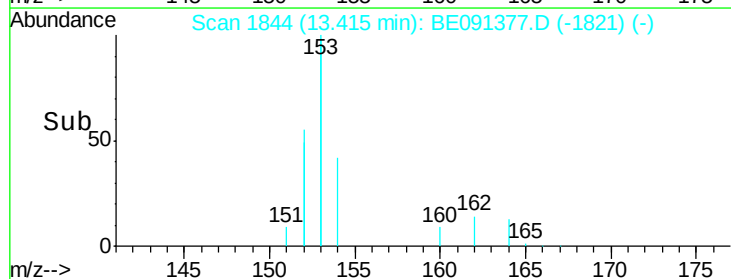
Abundance Ion 154.00 (153.70 to 154.70): E

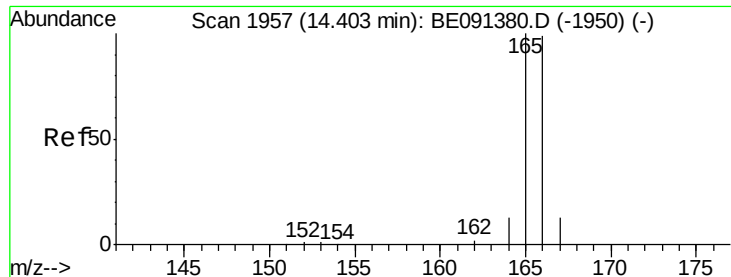
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->





#13

Fluorene

Concen: 0.28 ng

RT: 14.41 min Scan# 1958

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

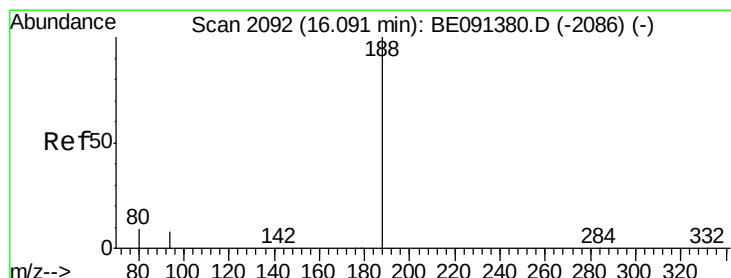
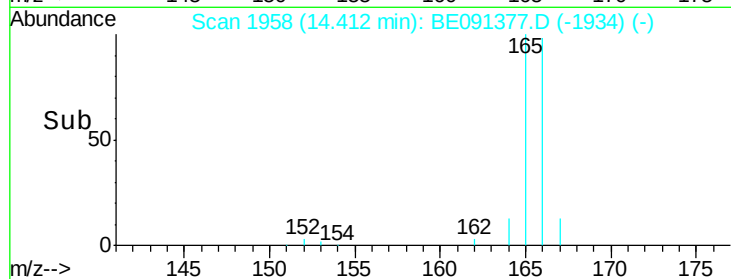
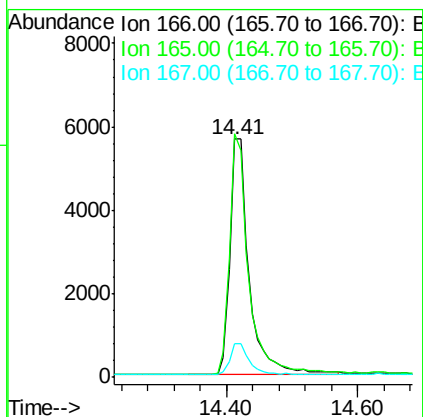
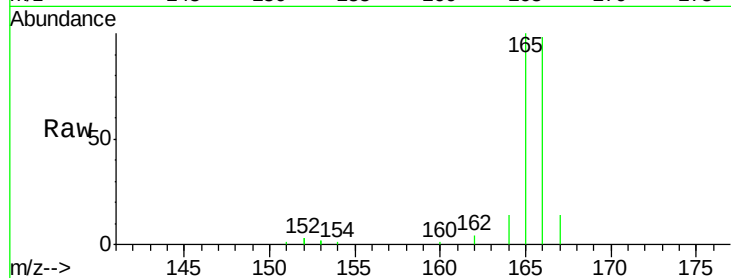
Tot Ion:166 Resp: 11584

Ion Ratio Lower Upper

166 100

165 100.8 83.0 124.6

167 13.8 11.1 16.7



#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.09 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

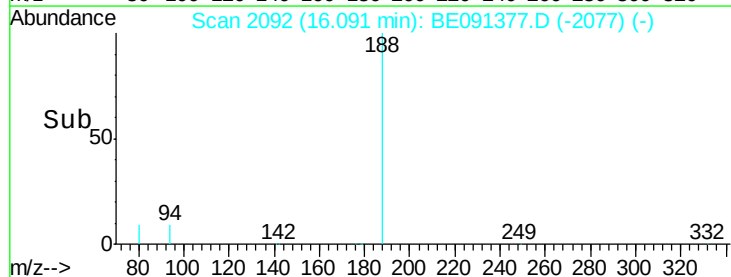
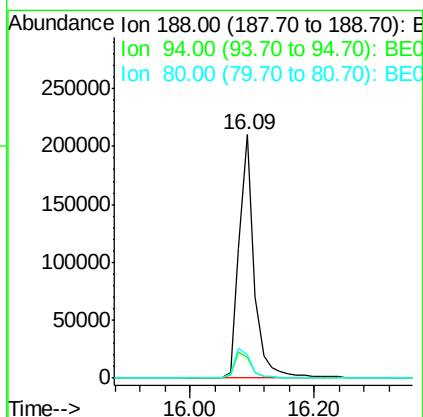
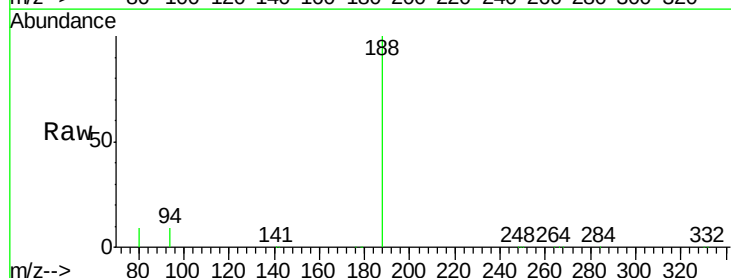
Tgt Ion:188 Resp: 356380

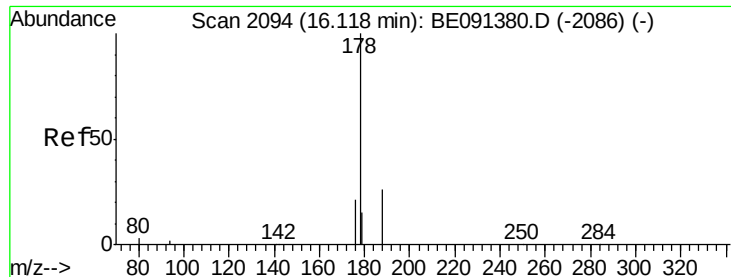
Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 9.4 8.2 12.2





#15

Phenanthrene

Concen: 0.28 ng

RT: 16.13 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

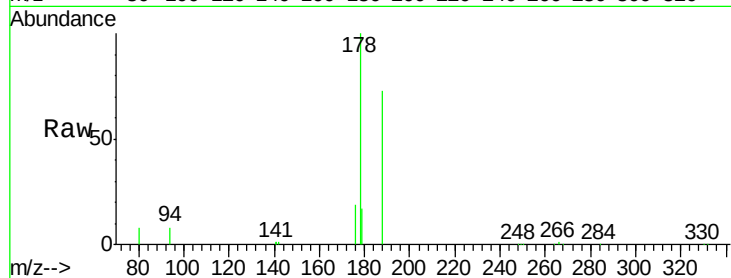
Tot Ion:178 Resp: 24770

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

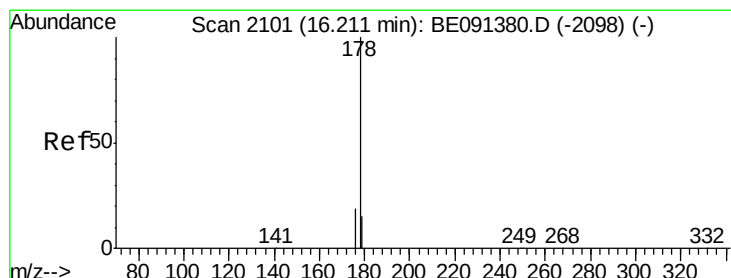
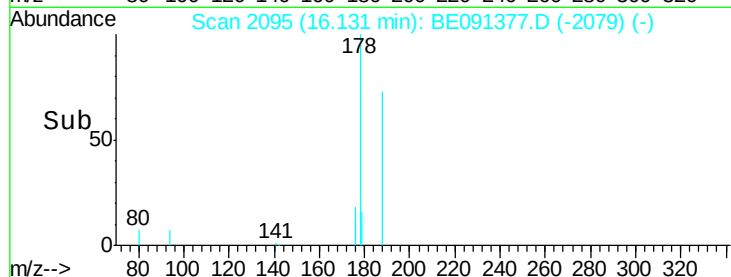
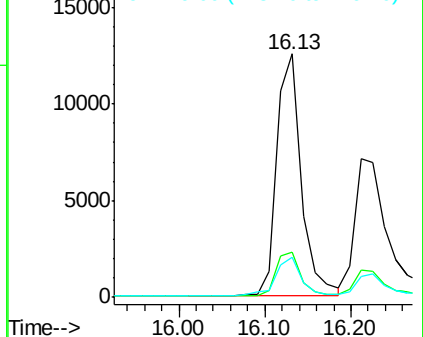
179 16.9 12.8 19.2



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: 0.30 ng

RT: 16.21 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

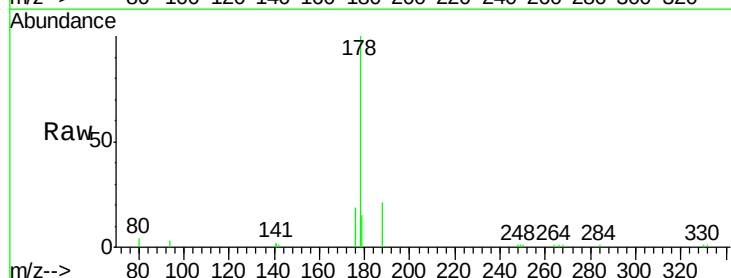
Tgt Ion:178 Resp: 18373

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

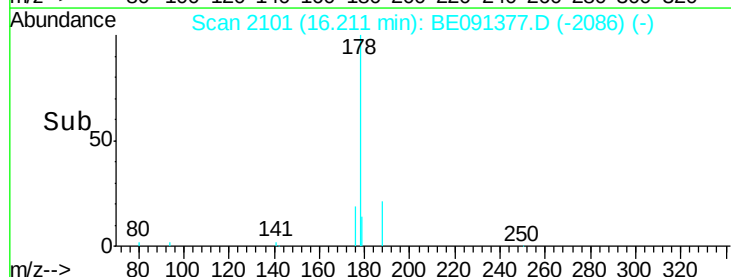
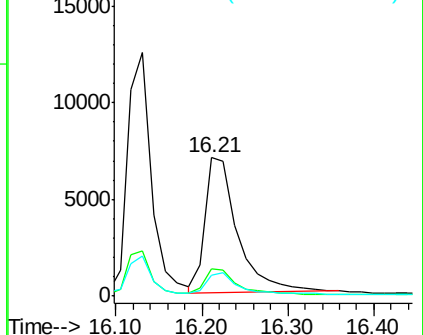
179 15.8 12.4 18.6

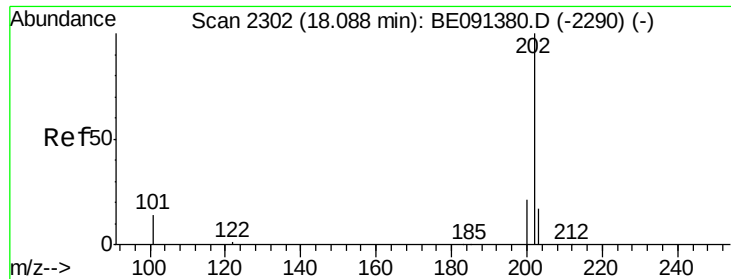


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

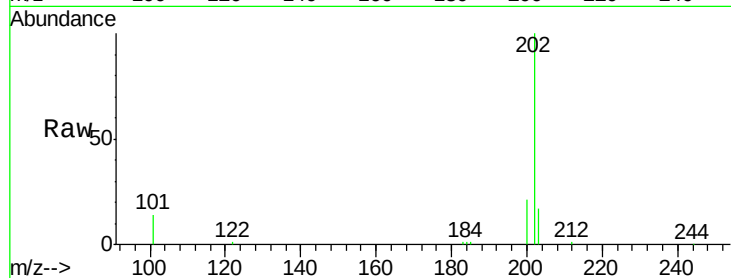




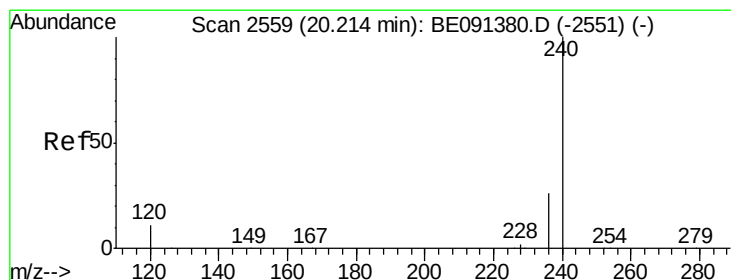
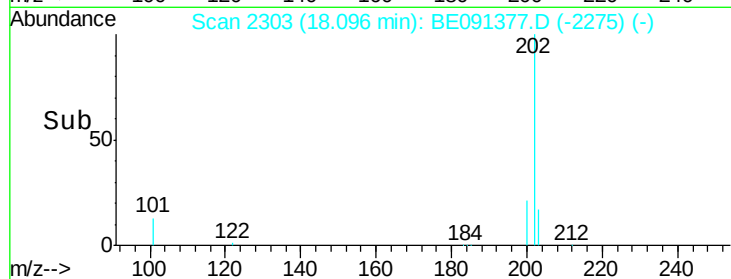
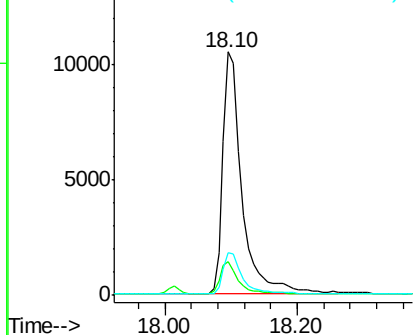
#17
 Fluoranthene
 Concen: 0.34 ng
 RT: 18.10 min Scan# 2303
 Delta R.T. 0.01 min
 Lab File: BE091377.D
 Acq: 2 Feb 2016 14:53

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tot Ion:202 Resp: 21489
 Ion Ratio Lower Upper
 202 100
 101 12.9 11.0 16.4
 203 17.2 13.9 20.9

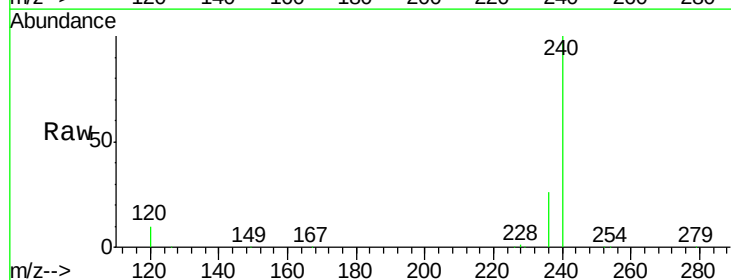


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

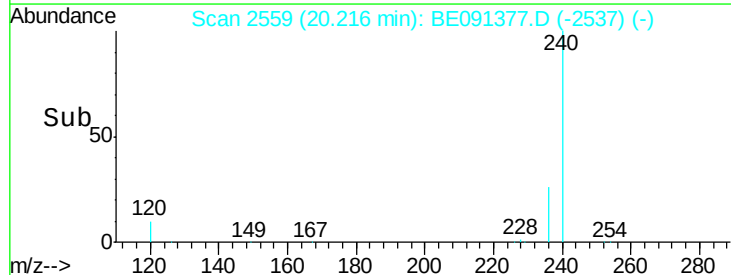
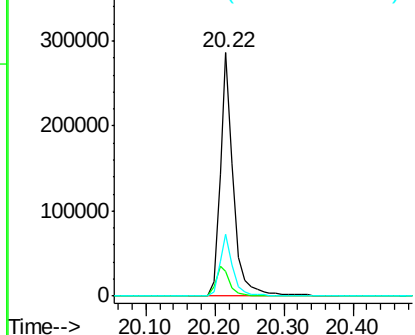


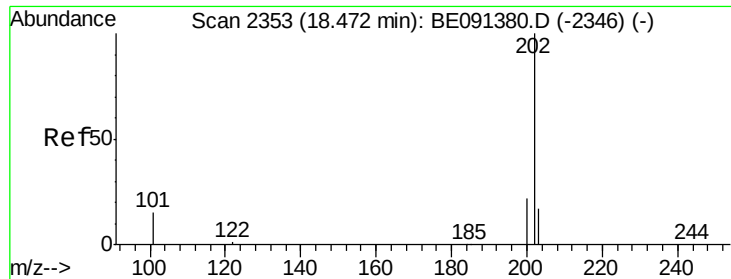
#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BE091377.D
 Acq: 2 Feb 2016 14:53

Tgt Ion:240 Resp: 383444
 Ion Ratio Lower Upper
 240 100
 120 10.0 12.6 19.0#
 236 25.6 22.7 34.1



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





#19

Pvrene

Concen: 0.34 ng

RT: 18.48 min Scan# 2354

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

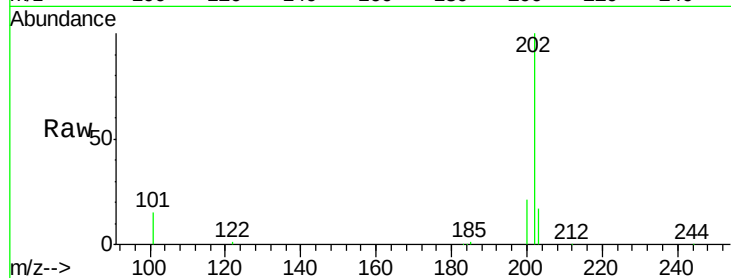
Tot Ion:202 Resp: 20048

Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

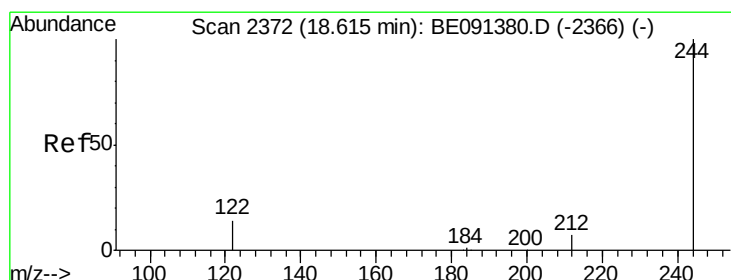
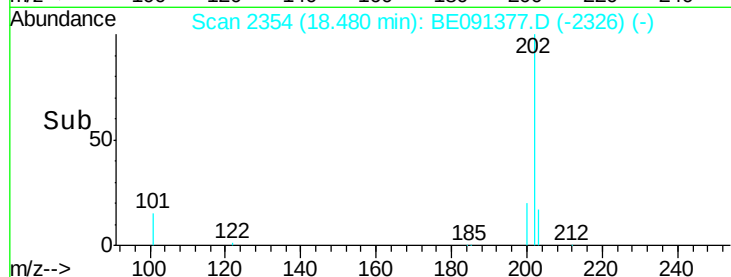
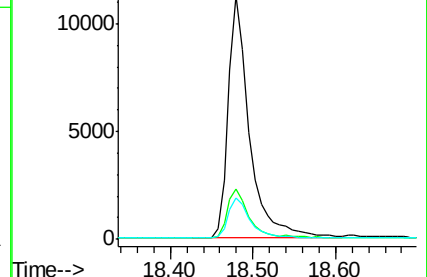
203 17.7 14.2 21.4



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: 0.38 ng

RT: 18.62 min Scan# 2373

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

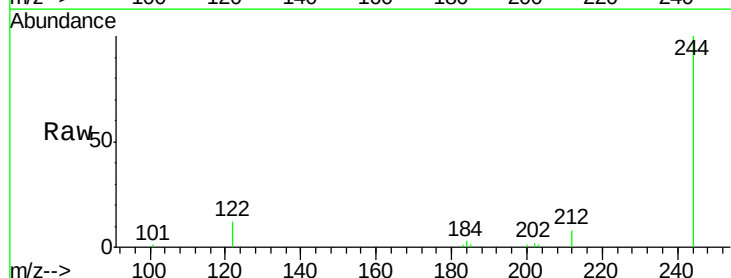
Tgt Ion:244 Resp: 13810

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

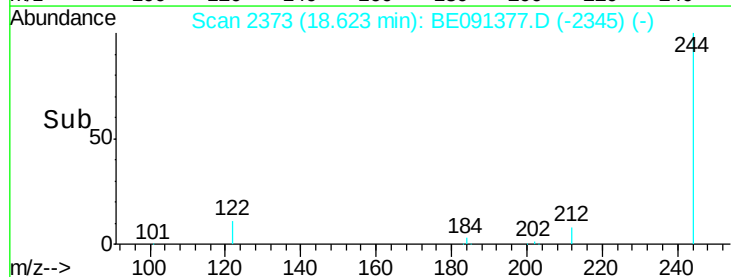
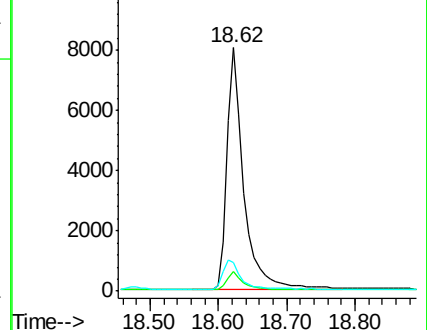
122 11.7 8.5 12.7

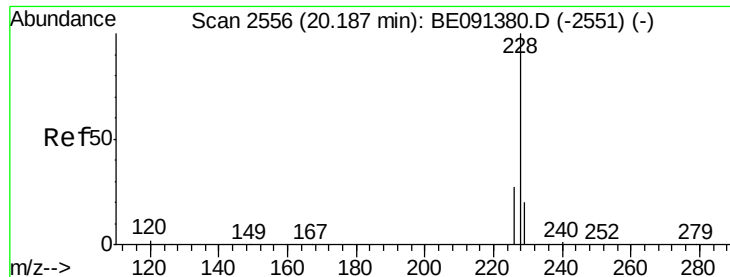


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Benzo(a)anthracene

Concen: 0.32 ng

RT: 20.19 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2

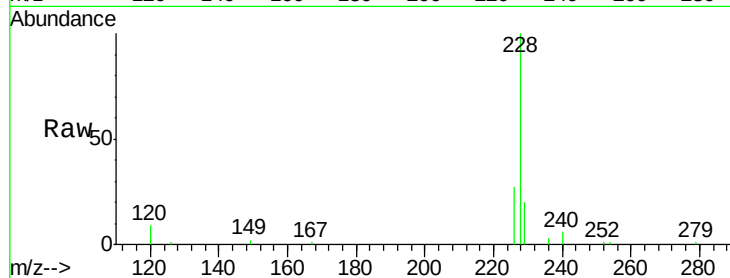
Tot Ion:228 Resp: 16856

Ion Ratio Lower Upper

228 100

226 27.0 22.5 33.7

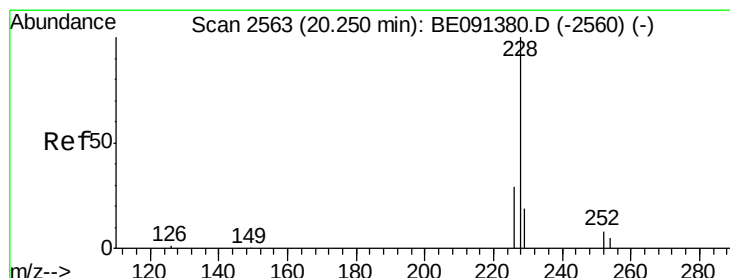
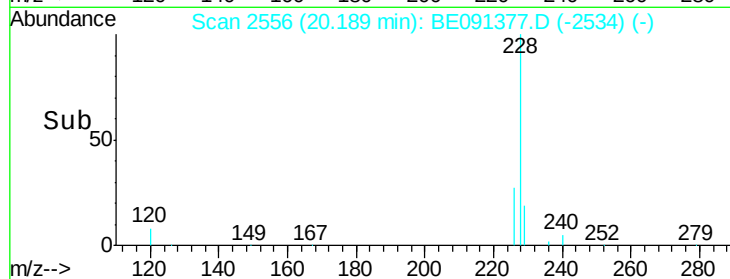
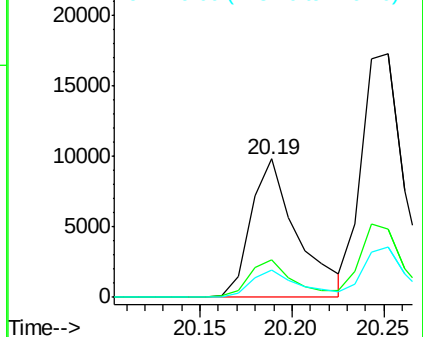
229 19.8 16.2 24.4



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



#22

Chrysene

Concen: 0.31 ng

RT: 20.25 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

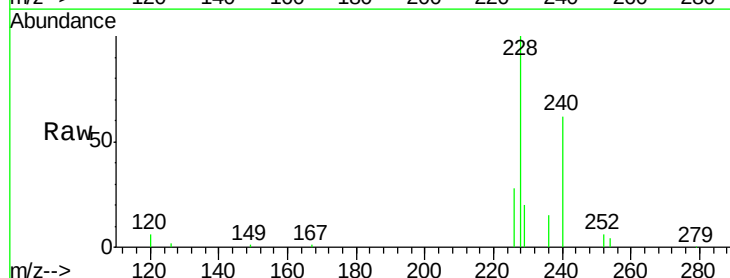
Tgt Ion:228 Resp: 28906

Ion Ratio Lower Upper

228 100

226 28.2 23.7 35.5

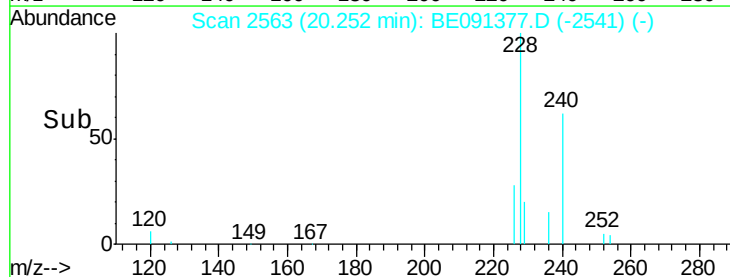
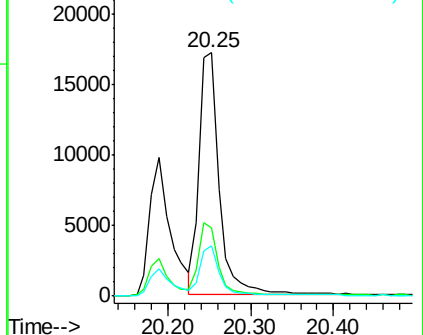
229 20.5 16.0 24.0

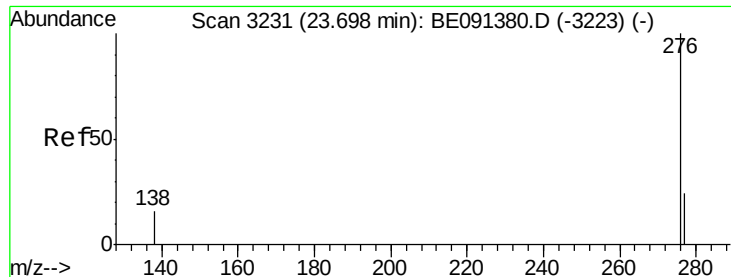


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

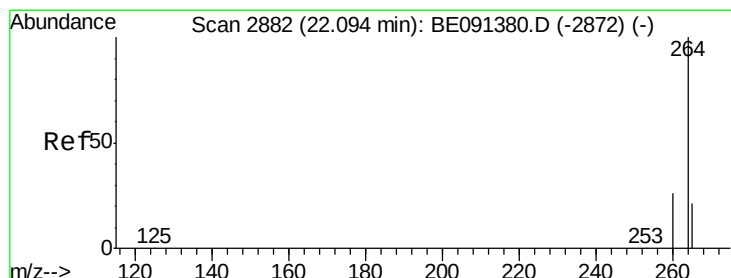
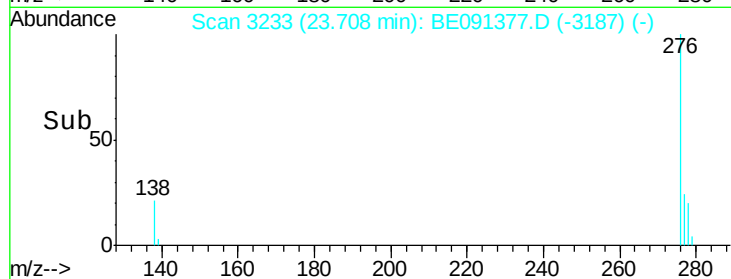
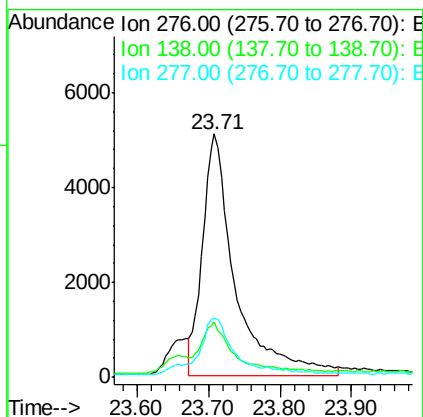
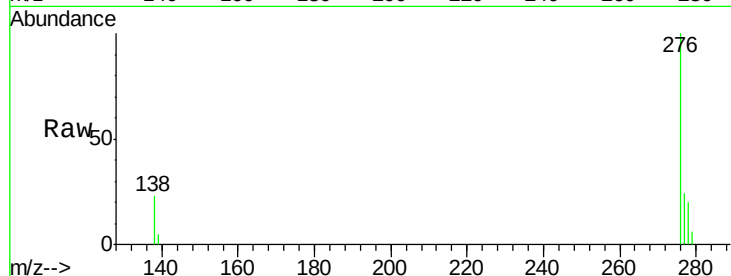




#23
Indeno(1,2,3-cd)pyrene
Concen: 0.27 ng
RT: 23.71 min Scan# 3233
Delta R.T. 0.01 min
Lab File: BE091377.D
Acq: 2 Feb 2016 14:53

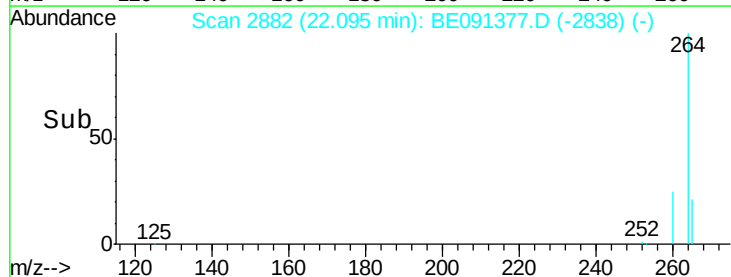
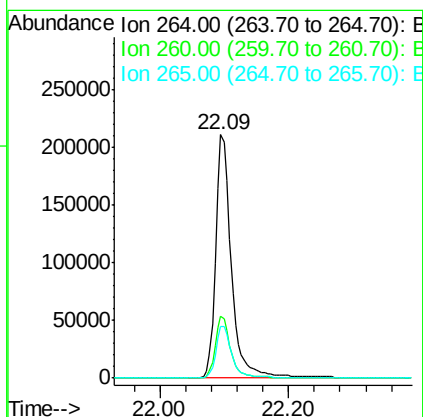
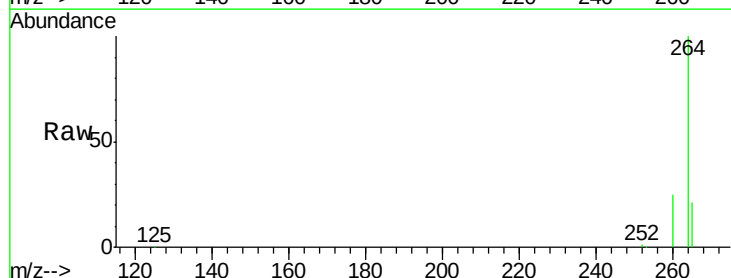
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

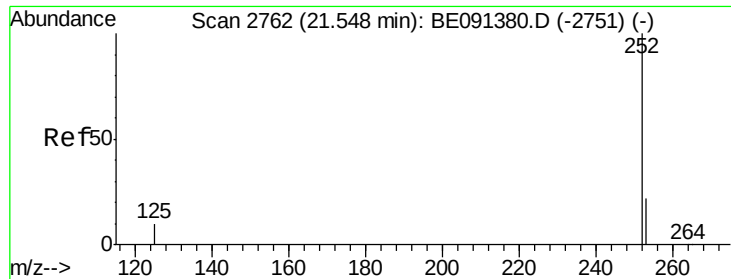
Tot Ion:276 Resp: 16342
Ion Ratio Lower Upper
276 100
138 18.4 18.6 27.8#
277 26.9 16.5 24.7#



#24
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 2882
Delta R.T. 0.00 min
Lab File: BE091377.D
Acq: 2 Feb 2016 14:53

Tgt Ion:264 Resp: 361237
Ion Ratio Lower Upper
264 100
260 25.5 20.4 30.6
265 21.3 17.2 25.8

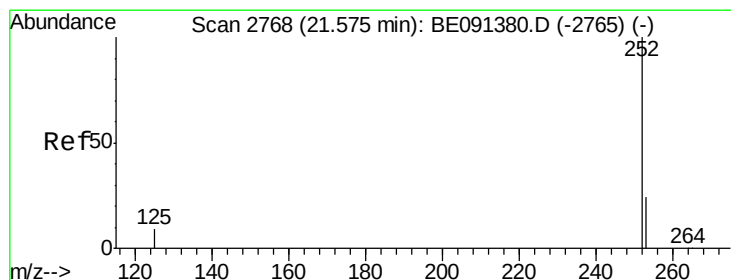
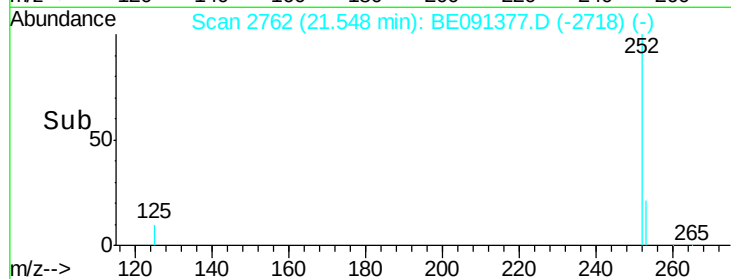
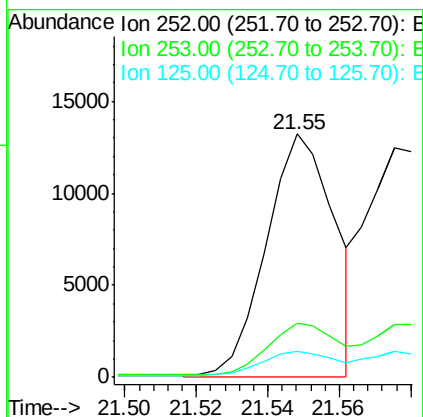
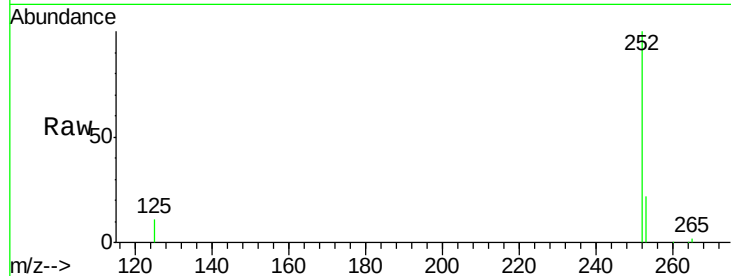




#25
Benzo(b)fluoranthene
Concen: 0.29 ng m
RT: 21.55 min Scan# 2762
Delta R.T. 0.00 min
Lab File: BE091377.D
Acq: 2 Feb 2016 14:53

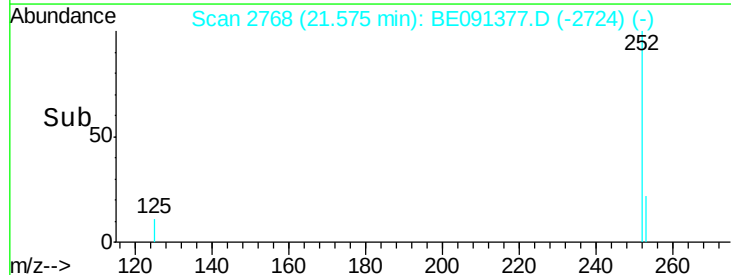
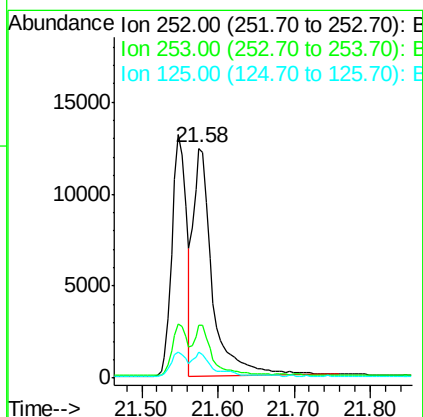
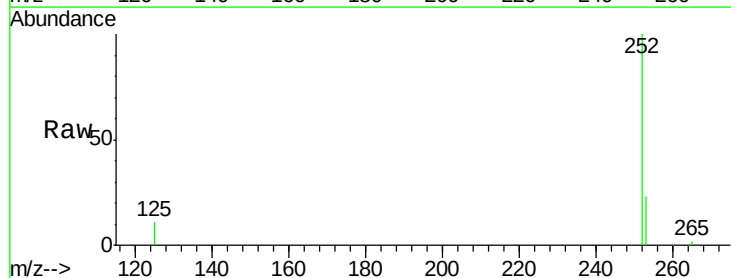
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

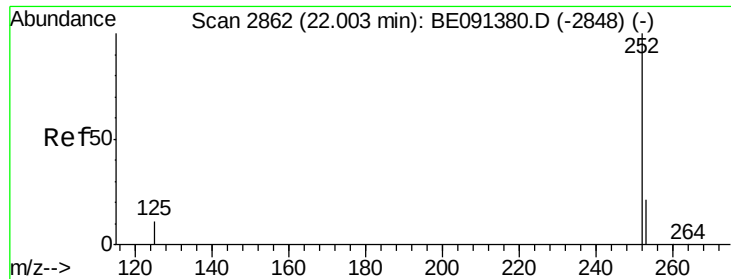
Tot Ion:252 Resp: 17413
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 10.9 11.0 16.6#



#26
Benzo(k)fluoranthene
Concen: 0.30 ng
RT: 21.58 min Scan# 2768
Delta R.T. 0.00 min
Lab File: BE091377.D
Acq: 2 Feb 2016 14:53

Tgt Ion:252 Resp: 21356
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.2 11.3 16.9#





#27

Benzo(a)pyrene

Concen: 0.25 ng

RT: 22.00 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

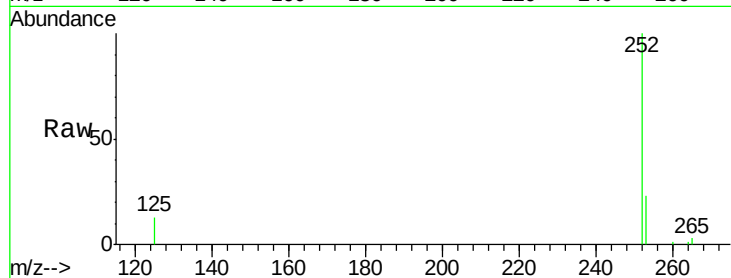
Tot Ion:252 Resp: 15585

Ion Ratio Lower Upper

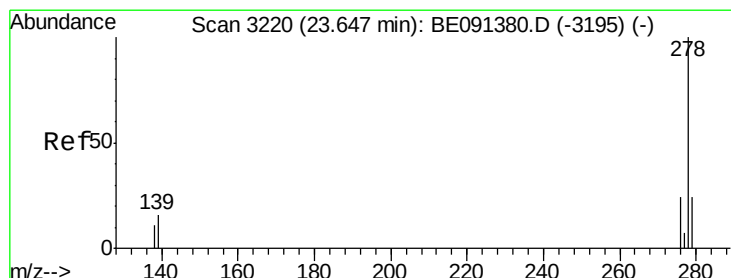
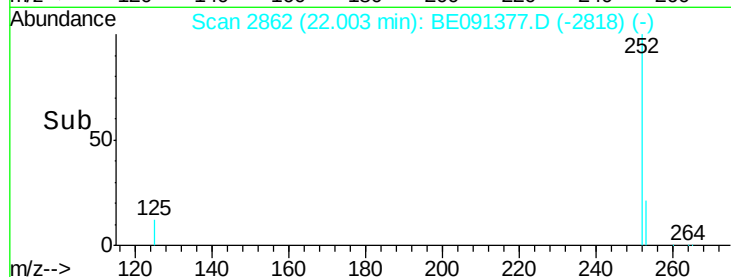
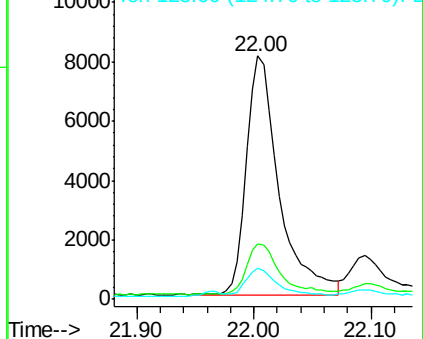
252 100

253 22.9 18.1 27.1

125 12.7 12.2 18.4



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



#28

Dibenzo(a,h)anthracene

Concen: 0.27 ng

RT: 23.66 min Scan# 3222

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

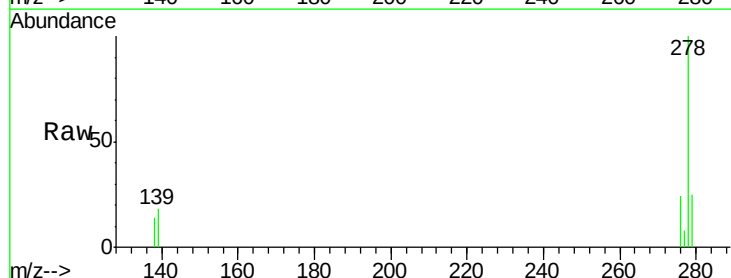
Tgt Ion:278 Resp: 12284

Ion Ratio Lower Upper

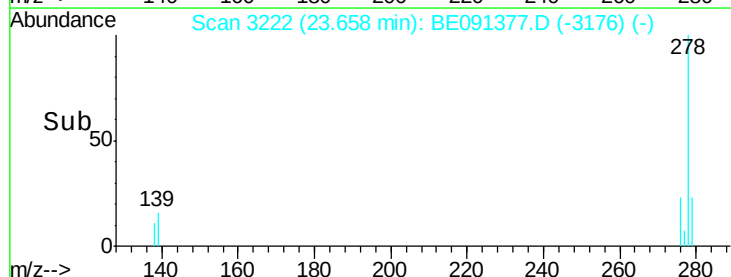
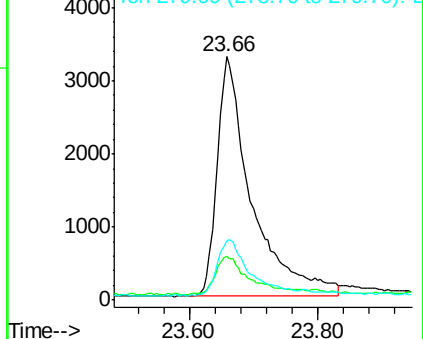
278 100

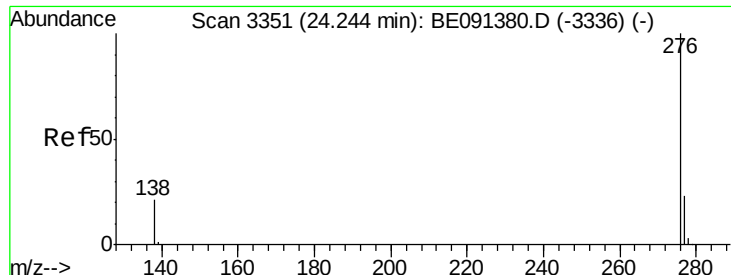
139 18.3 16.3 24.5

279 24.6 19.4 29.2



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





#29

Benzo(a,h,i)perylene

Concen: 0.30 ng

RT: 24.26 min Scan# 3353

Delta R.T. 0.01 min

Lab File: BE091377.D

Acq: 2 Feb 2016 14:53

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

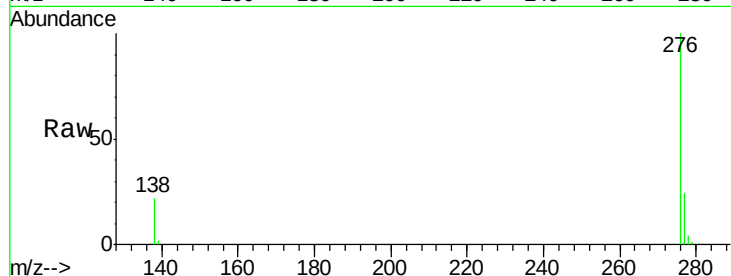
Tot Ion: 276 Resp: 17750

Ion Ratio Lower Upper

276 100

277 24.3 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

