

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094445.D
 Acq On : 19 Oct 2017 13:30
 Operator : SJ/JU
 Sample : I5847-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-171011

Quant Time: Oct 20 12:39:11 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1450	0.40	ng	-0.02
7) Naphthalene-d8	10.71	136	7203	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4629	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	11641	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	10943	0.40	ng	-0.01
34) Perylene-d12	23.95	264	10544	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1037	0.21	ng	0.00
5) Phenol-d6	7.14	99	837	0.11	ng	0.00
8) Nitrobenzene-d5	9.08	82	2917	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5210	0.47	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	657	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7568	0.46	ng	0.00
25) Fluoranthene-d10	19.28	212	61094	0.33	ng	0.00
29) Terphenyl-d14	19.86	244	10393	0.47	ng	0.00

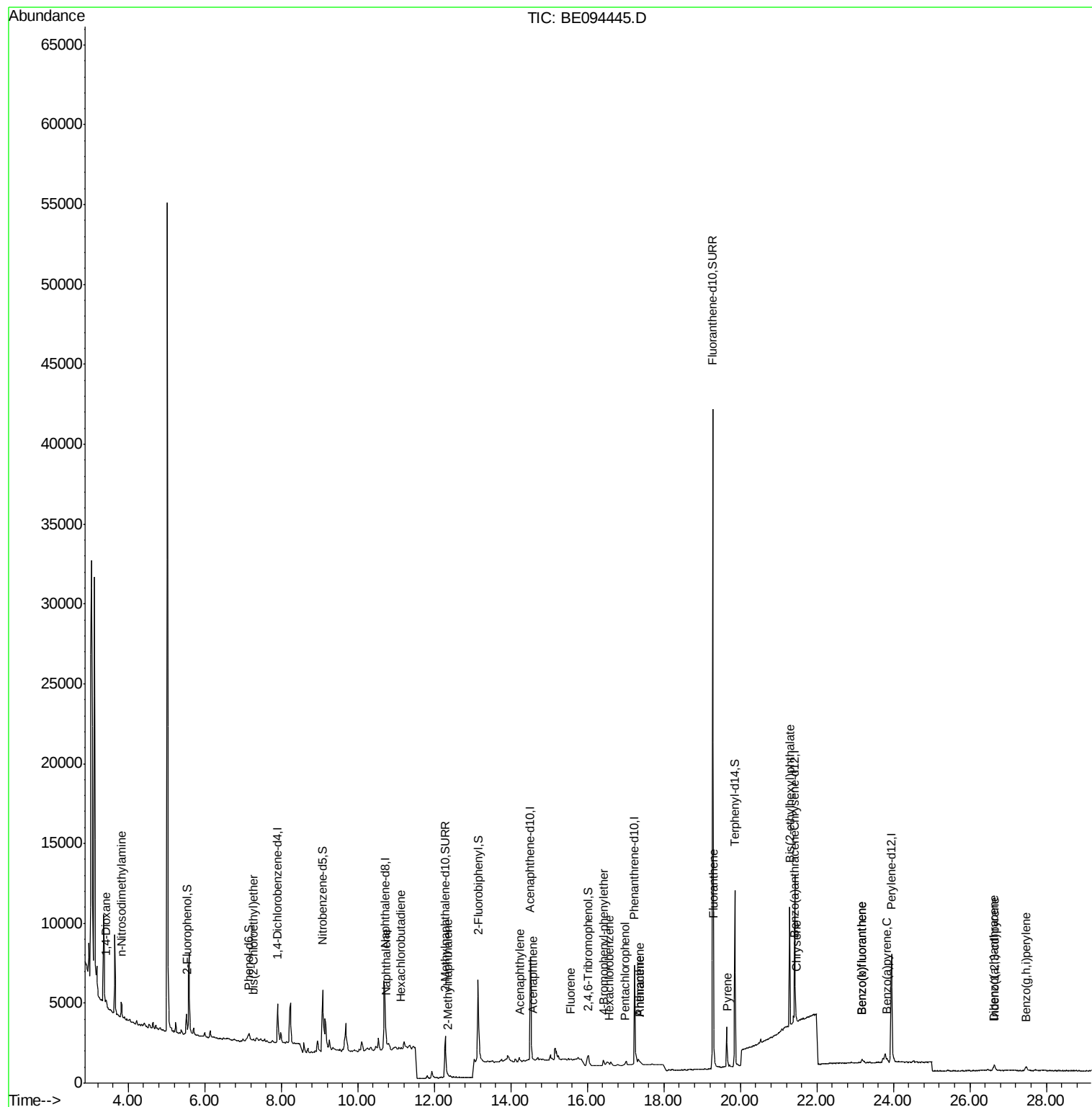
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	329	0.070	ng	# 12
3) n-Nitrosodimethylamine	3.81	42	138	0.055	ng	# 12
6) bis(2-Chloroethyl)ether	7.26	93	138	0.024	ng	# 1
9) Naphthalene	10.74	128	177	0.002	ng	# 56
10) Hexachlorobutadiene	11.13	225	1	0.000	ng	# 17
12) 2-Methylnaphthalene	12.36	142	11	0.001	ng	# 37
16) Acenaphthylene	14.23	152	50	0.002	ng	# 25
17) Acenaphthene	14.57	154	10	0.001	ng	# 1
18) Fluorene	15.56	166	42	0.002	ng	# 74
20) 4-Bromophenyl-phenylether	16.42	248	10	0.002	ng	# 1
21) Hexachlorobenzene	16.58	284	10	0.028	ng	# 38
22) Pentachlorophenol	16.97	266	6	0.161	ng	95
23) Phenanthrene	17.37	178	618	0.013	ng	# 74
24) Anthracene	17.37	178	618	0.017	ng	# 75
26) Fluoranthene	19.30	202	379	0.007	ng	# 43
28) Pyrene	19.67	202	363	0.009	ng	# 86
30) Benzo(a)anthracene	21.41	228	273	0.007	ng	# 67
31) Chrysene	21.46	228	246	0.007	ng	# 68
32) Bis(2-ethylhexyl)phthalate	21.29	149	9374	0.086	ng	99
33) Indeno(1,2,3-cd)pyrene	26.64	276	697	0.019	ng	93
35) Benzo(b)fluoranthene	23.18	252	438	0.012	ng	# 77
36) Benzo(k)fluoranthene	23.18	252	438	0.012	ng	# 77
37) Benzo(a)pyrene	23.83	252	356	0.011	ng	# 73
38) Dibenzo(a,h)anthracene	26.61	278	54	0.002	ng	# 41
39) Benzo(g,h,i)perylene	27.48	276	628	0.021	ng	95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.02 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

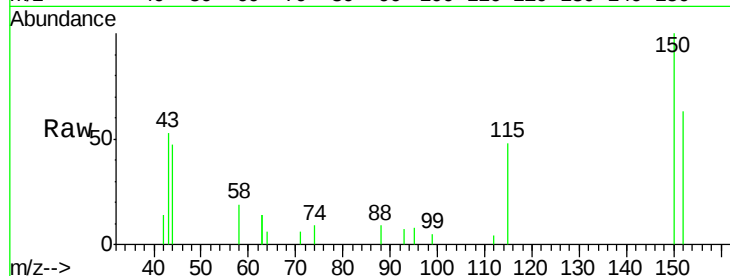
Tgt Ion:152 Resp: 1450

Ion Ratio Lower Upper

152 100

150 158.0 117.2 175.8

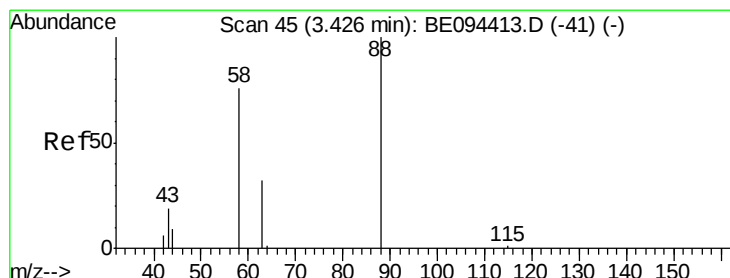
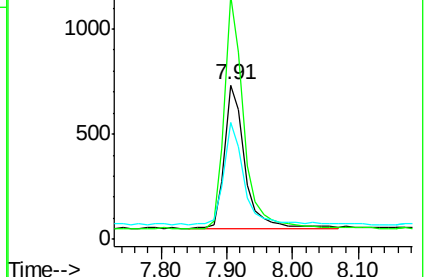
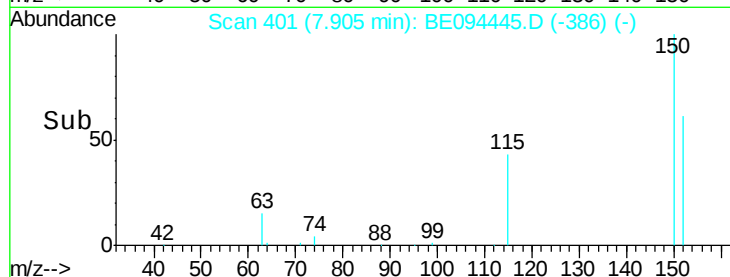
115 75.6 57.0 85.6



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: 0.070 ng

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

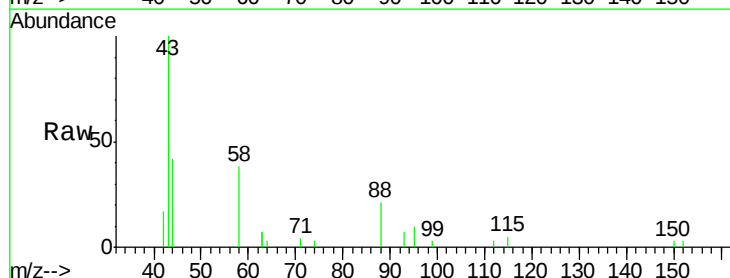
Tgt Ion: 88 Resp: 329

Ion Ratio Lower Upper

88 100

58 164.7 63.2 94.8#

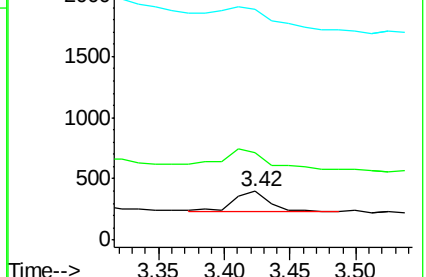
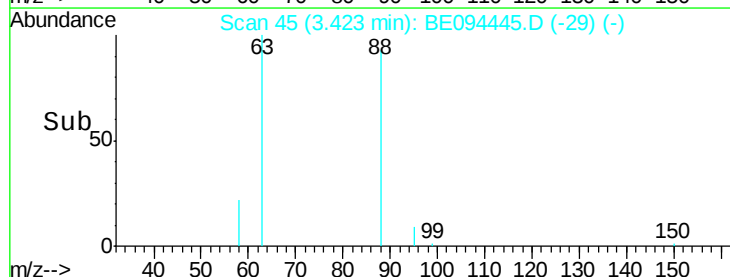
43 0.0 41.2 61.8#

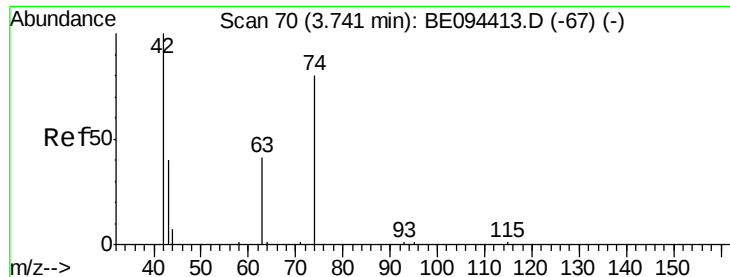


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.055 ng

RT: 3.81 min Scan# 76

Delta R.T. 0.07 min

Lab File: BE094445.D

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Instrument :

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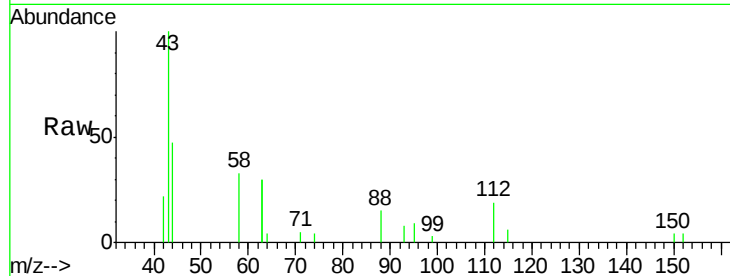
Tgt Ion: 42 Resp: 138

Ion Ratio Lower Upper

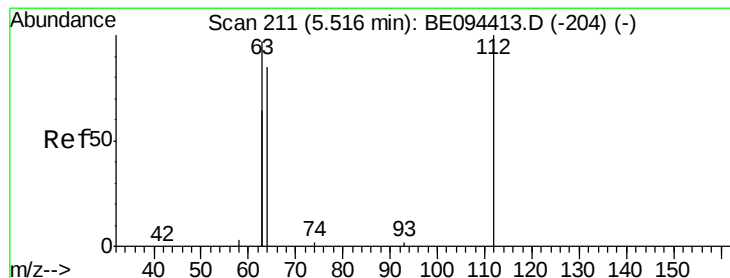
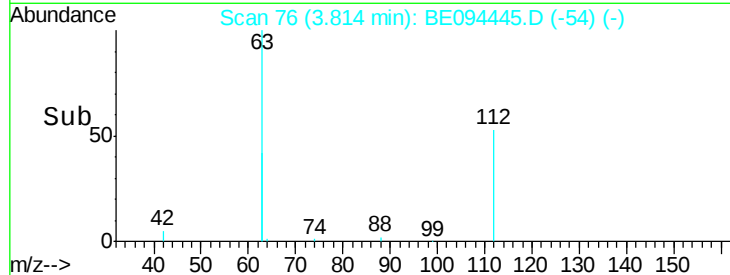
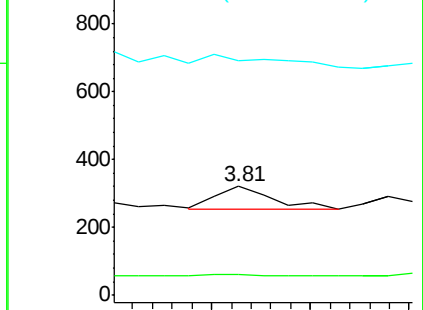
42 100

74 16.7 100.3 150.5#

44 0.0 17.0 25.4#



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

2-Fluorophenol

Concen: 0.212 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

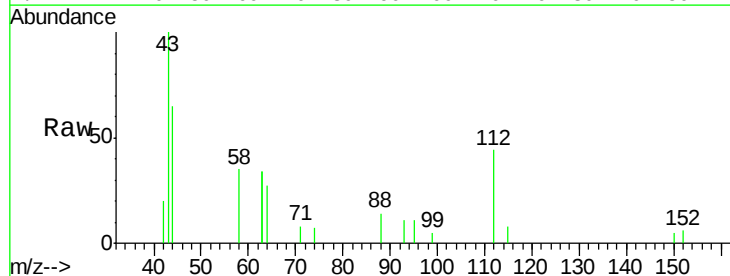
Tgt Ion: 112 Resp: 1037

Ion Ratio Lower Upper

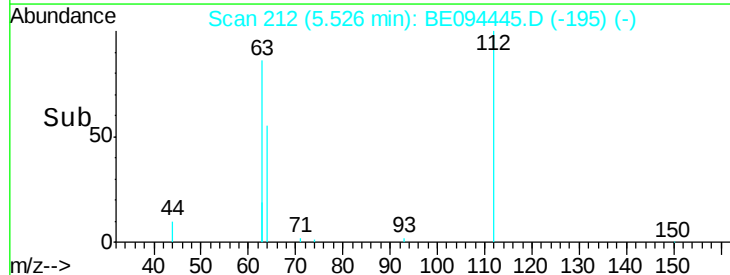
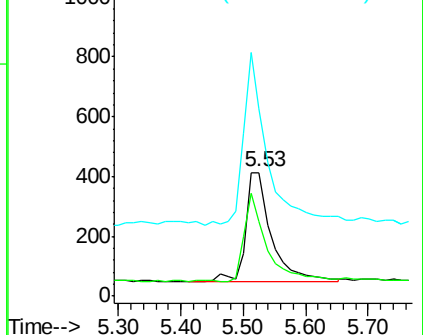
112 100

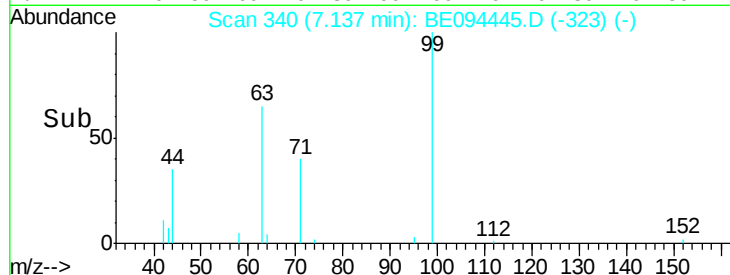
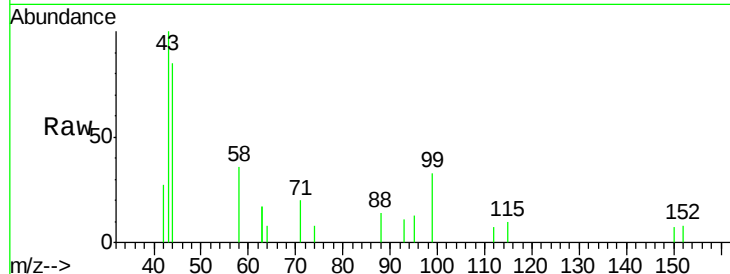
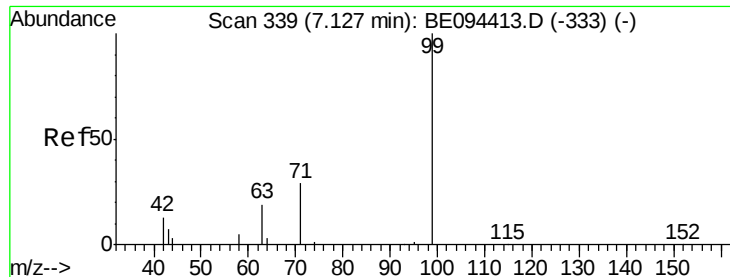
64 70.1 60.1 90.1

63 148.0 116.8 175.2



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





#5

Phenol-d6

Concen: 0.110 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

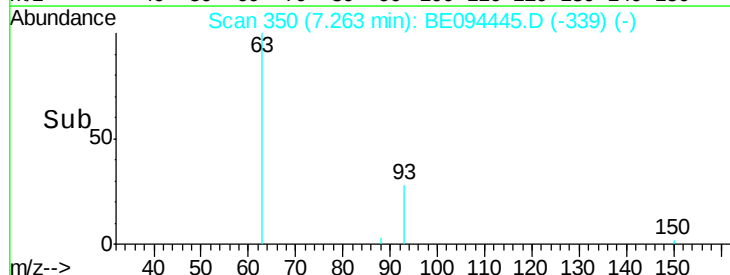
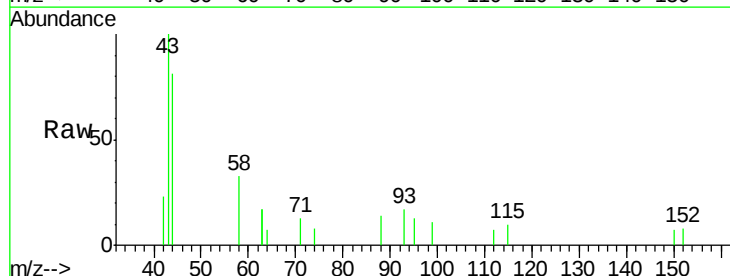
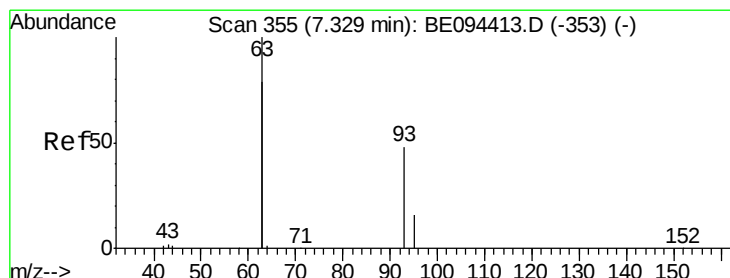
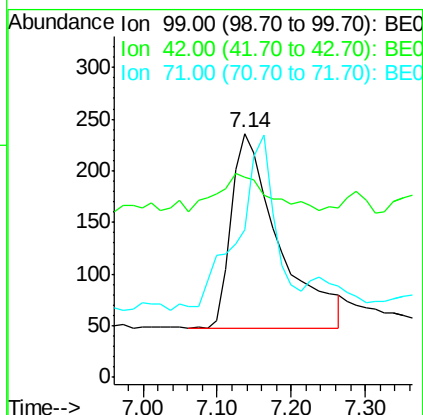
Tgt Ion: 99 Resp: 837

Ion Ratio Lower Upper

99 100

42 21.6 20.2 30.2

71 0.0 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.024 ng

RT: 7.26 min Scan# 350

Delta R.T. -0.07 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

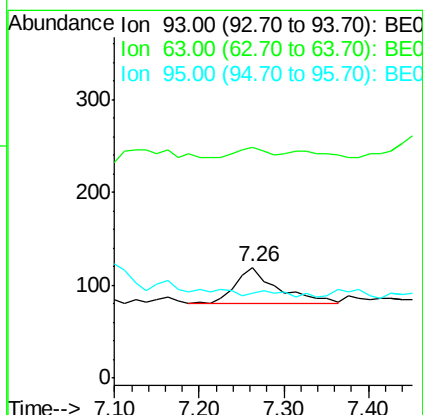
Tgt Ion: 93 Resp: 138

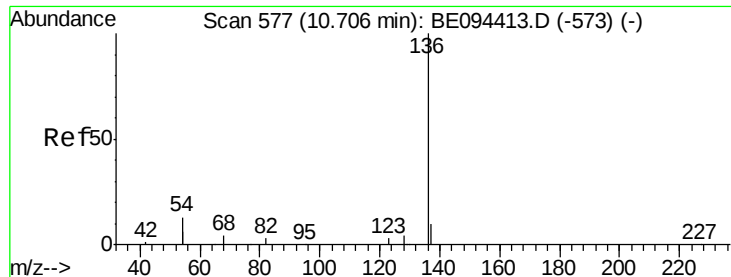
Ion Ratio Lower Upper

93 100

63 16.7 275.3 412.9#

95 13.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

Tgt Ion:136 Resp: 7203

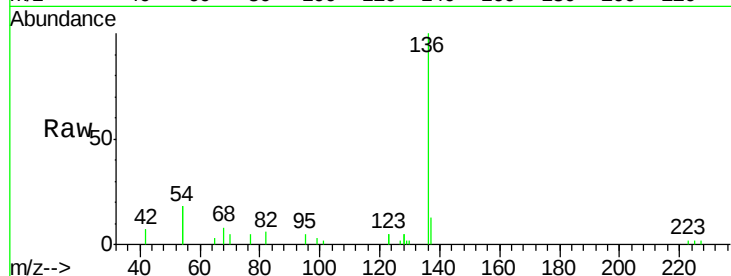
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 35.4 29.1 43.7

68 8.0 6.2 9.2

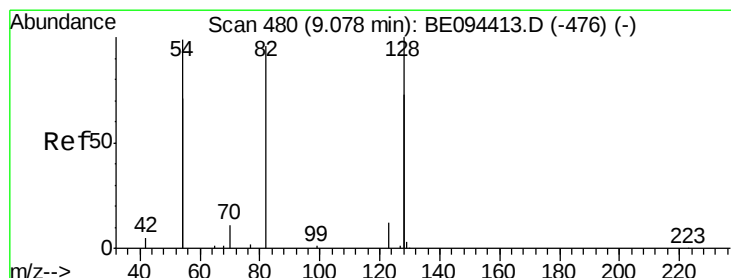
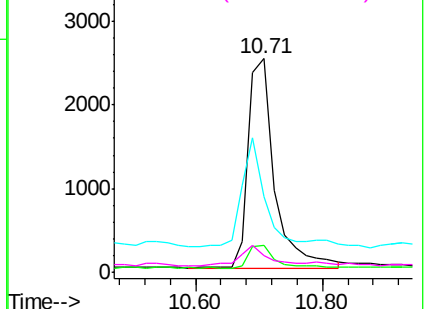
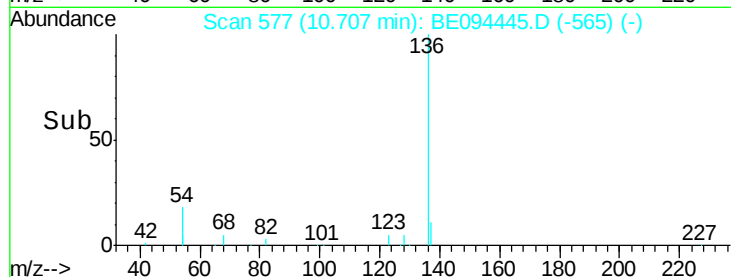


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.466 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

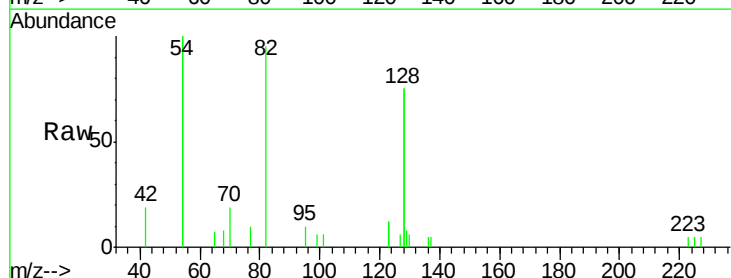
Tgt Ion: 82 Resp: 2917

Ion Ratio Lower Upper

82 100

128 159.1 150.0 225.0

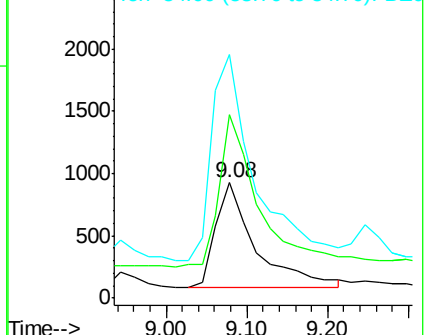
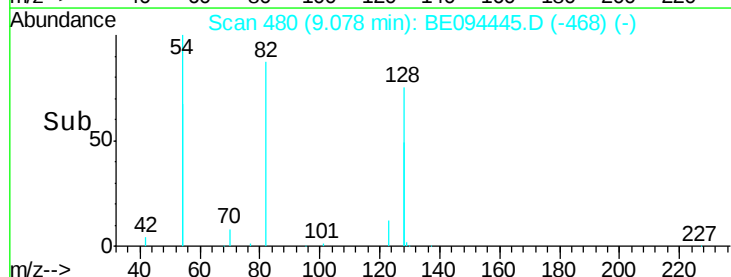
54 210.8 154.2 231.4

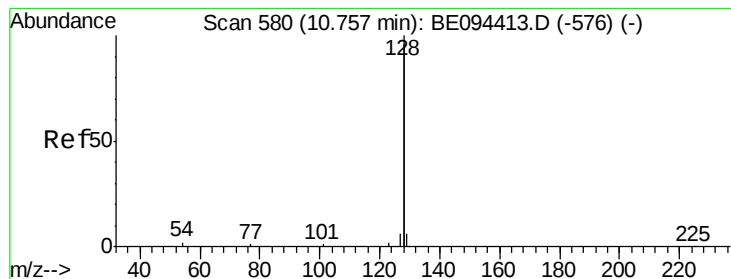


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.002 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

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BNA_E

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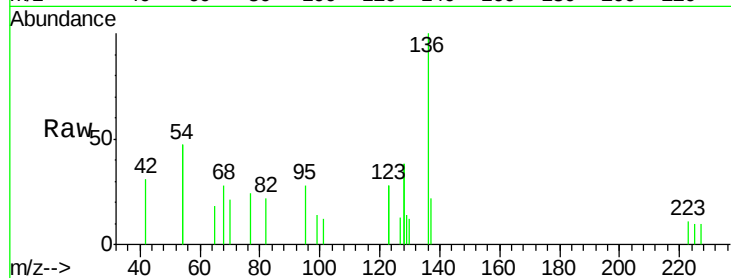
Tgt Ion:128 Resp: 177

Ion Ratio Lower Upper

128 100

129 18.8 2.6 3.8#

127 17.3 2.8 4.2#



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

10.74

300

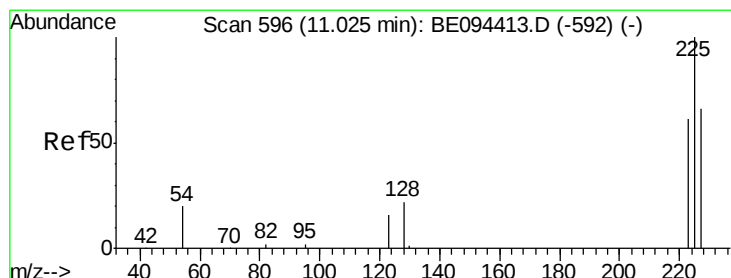
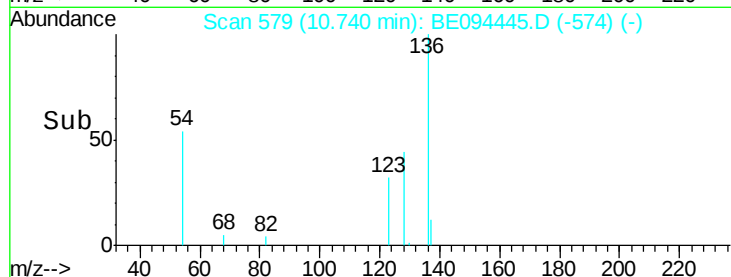
200

100

0

10.70 10.75 10.80

Time-->



#10

Hexachlorobutadiene

Concen: 0.000 ng

RT: 11.13 min Scan# 602

Delta R.T. 0.10 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

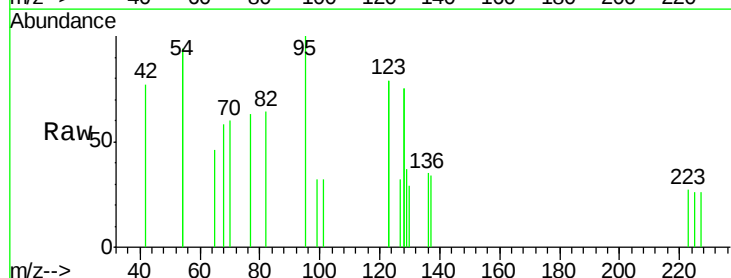
Tgt Ion:225 Resp: 1

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

227 0.0 51.4 77.2#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

11.13

50

40

30

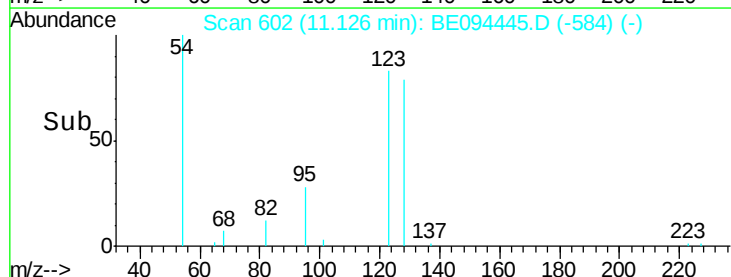
20

10

0

11.10 11.15

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.469 ng

RT: 12.28 min Scan# 822

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

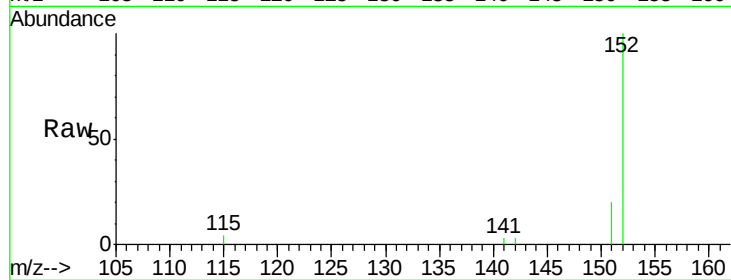
KY038PS027-171011

Tgt Ion:152 Resp: 5210

Ion Ratio Lower Upper

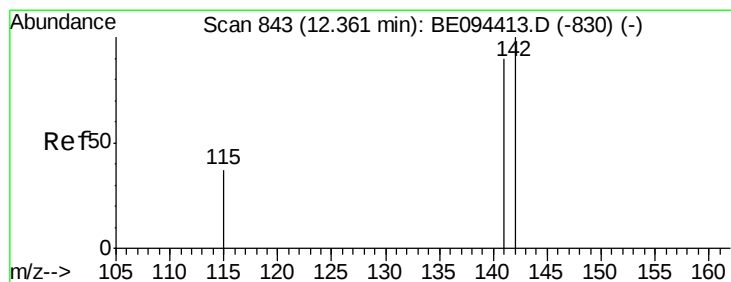
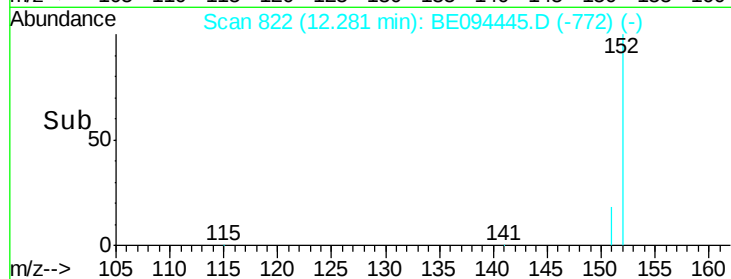
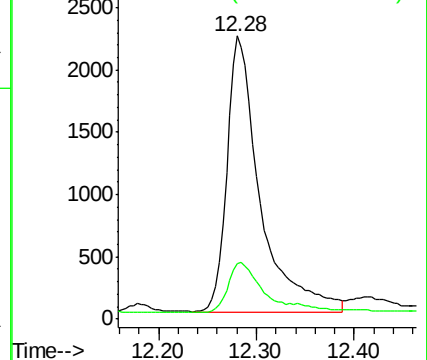
152 100

151 20.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.001 ng

RT: 12.36 min Scan# 844

Delta R.T. 0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

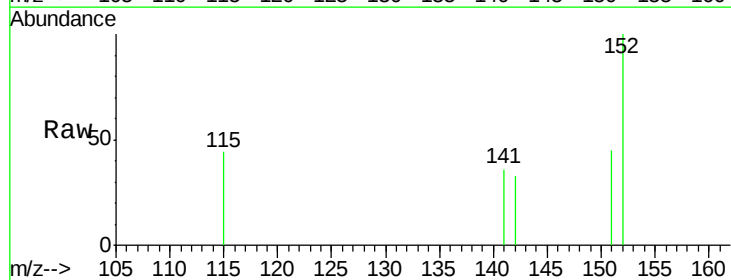
Tgt Ion:142 Resp: 11

Ion Ratio Lower Upper

142 100

141 109.1 70.4 105.6#

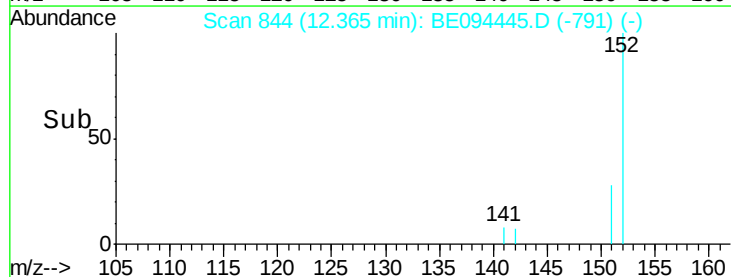
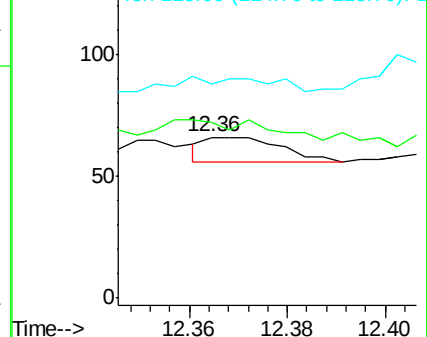
115 133.3 31.7 47.5#

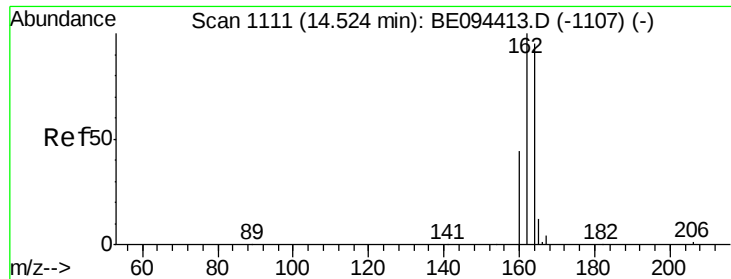


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

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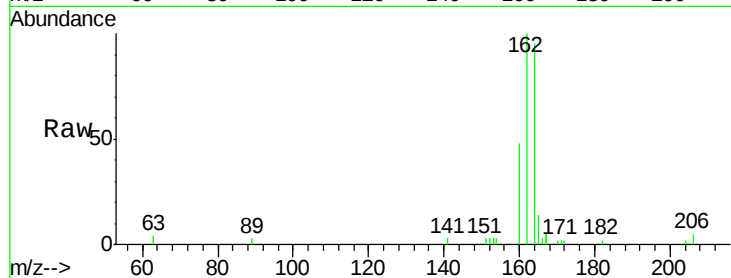
Tgt Ion:164 Resp: 4629

Ion Ratio Lower Upper

164 100

162 105.7 83.1 124.7

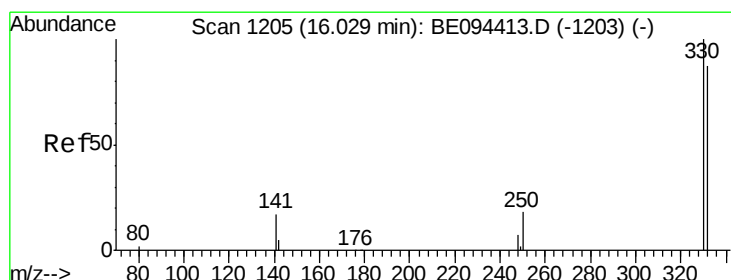
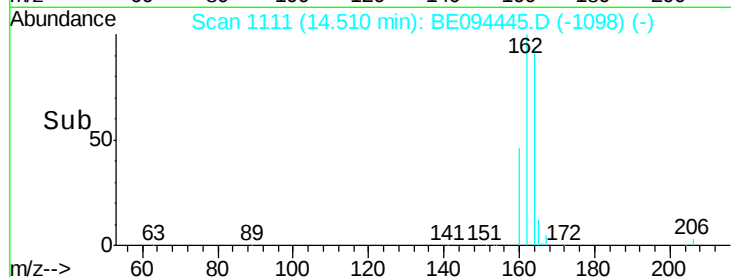
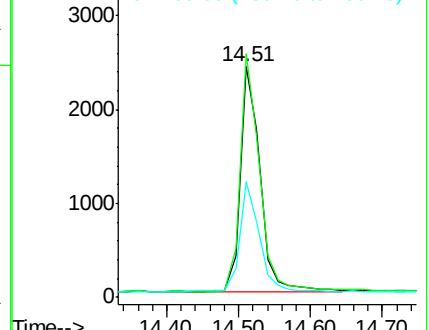
160 50.3 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.373 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

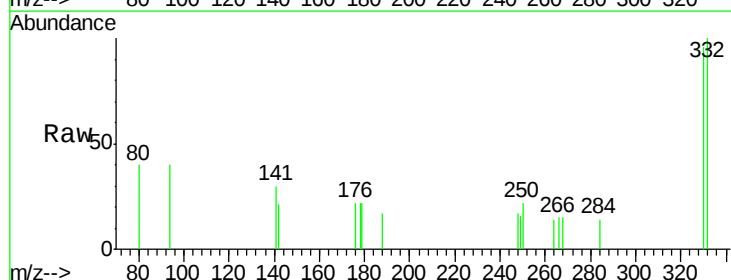
Tgt Ion:330 Resp: 657

Ion Ratio Lower Upper

330 100

332 103.0 152.7 229.1#

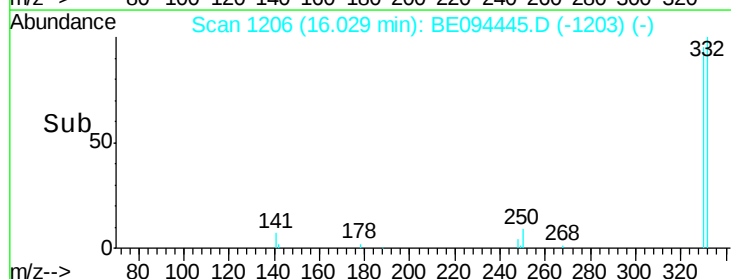
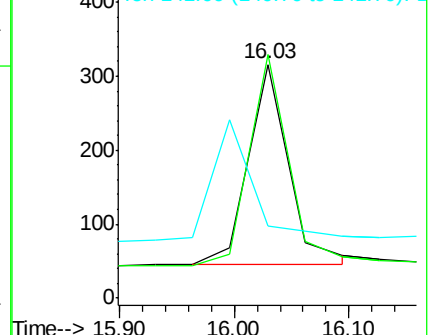
141 0.0 33.7 50.5#

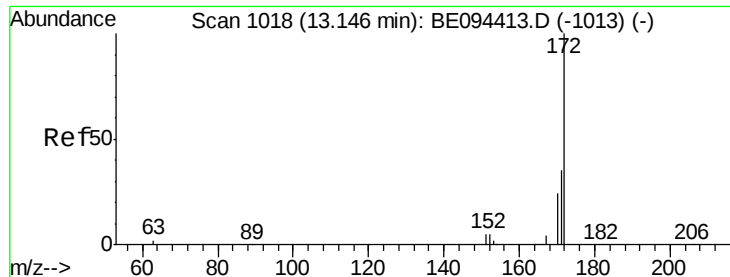


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

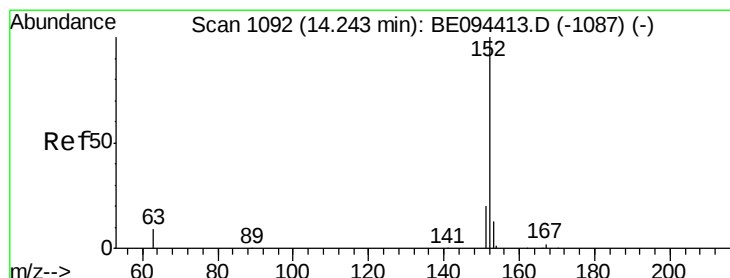
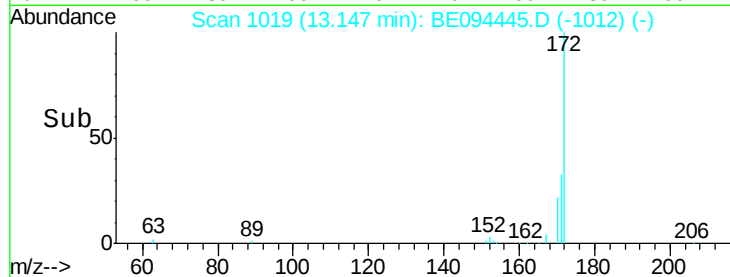
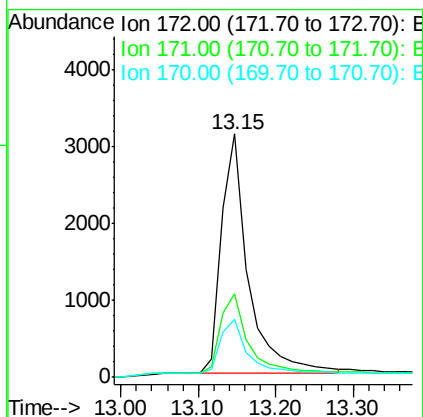
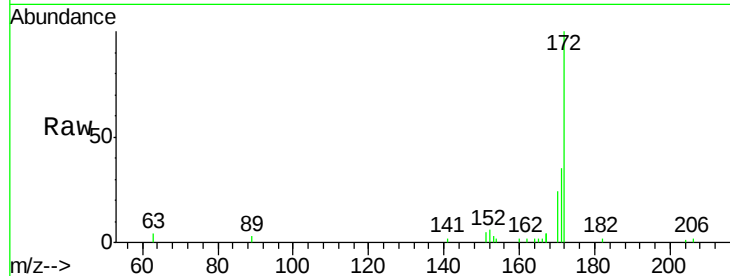




#15
2-Fluorobiphenyl
Concen: 0.458 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094445.D
Acq: 19 Oct 2017 13:30

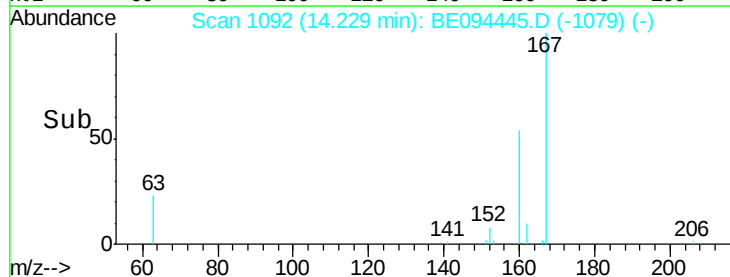
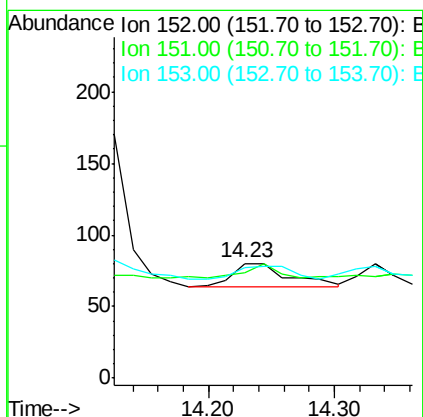
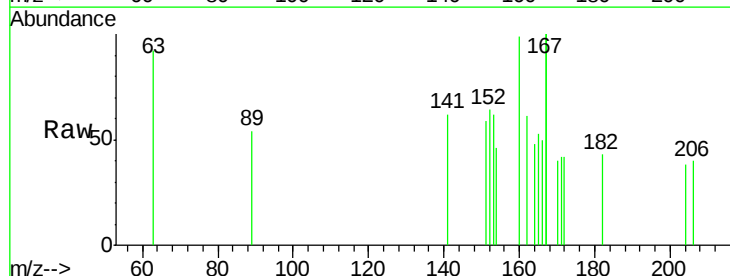
Instrument :
BNA_E
ClientSampleId :
KY038PS027-171011

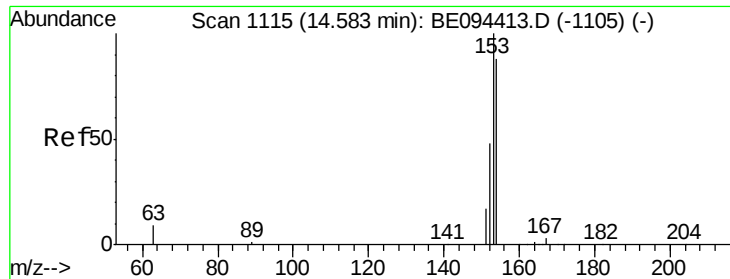
Tgt Ion:172 Resp: 7568
Ion Ratio Lower Upper
172 100
171 34.6 29.9 44.9
170 23.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.002 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE094445.D
Acq: 19 Oct 2017 13:30

Tgt Ion:152 Resp: 50
Ion Ratio Lower Upper
152 100
151 44.0 15.7 23.5#
153 56.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

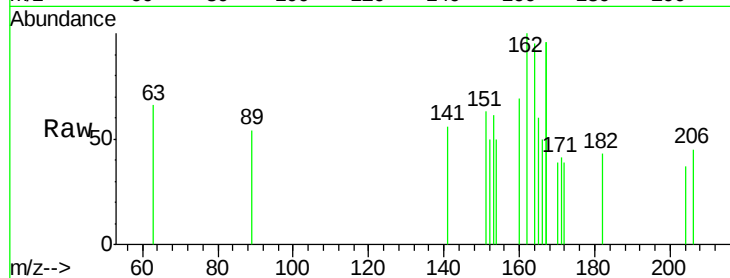
Tgt Ion:154 Resp: 10

Ion Ratio Lower Upper

154 100

153 200.0 89.2 133.8#

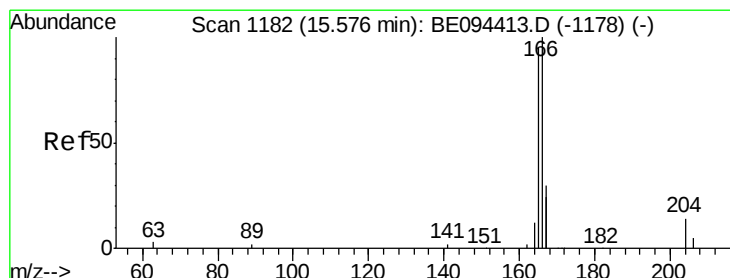
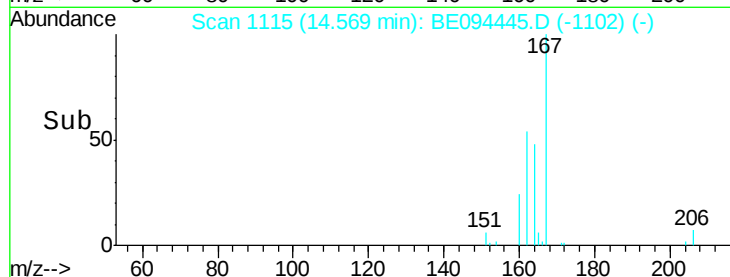
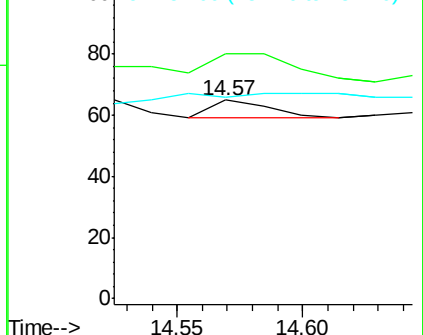
152 190.0 42.0 63.0#



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



#18

Fluorene

Concen: 0.002 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

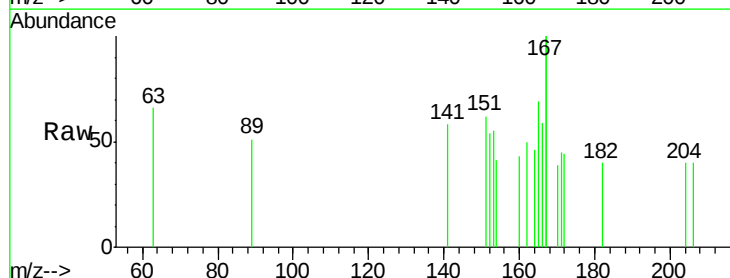
Tgt Ion:166 Resp: 42

Ion Ratio Lower Upper

166 100

165 95.2 77.8 116.6

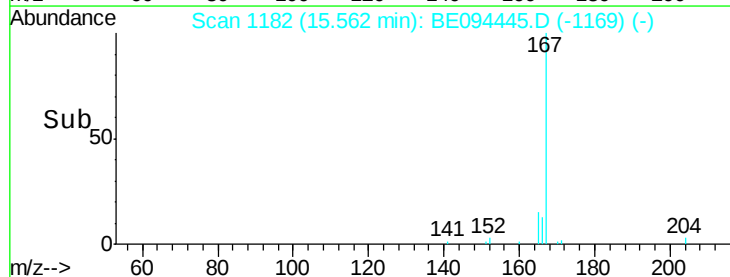
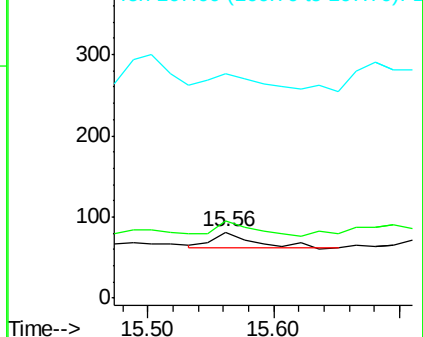
167 102.4 42.4 63.6#

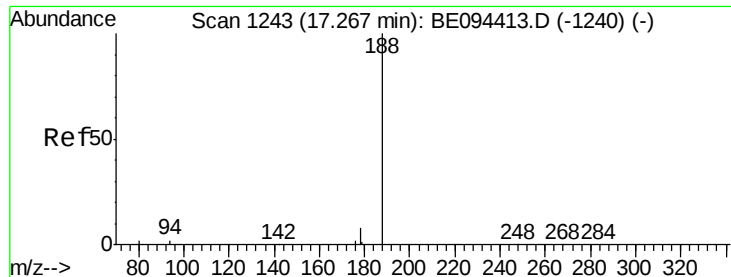


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

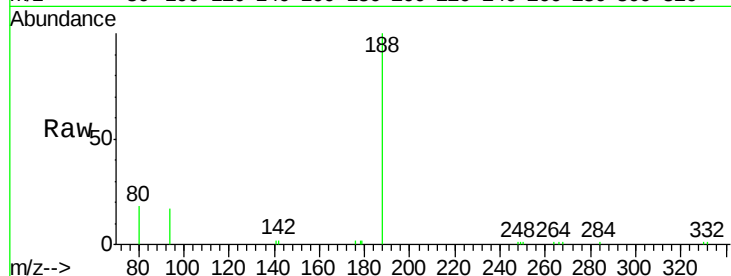
Tgt Ion:188 Resp: 11641

Ion Ratio Lower Upper

188 100

94 17.0 3.9 5.9#

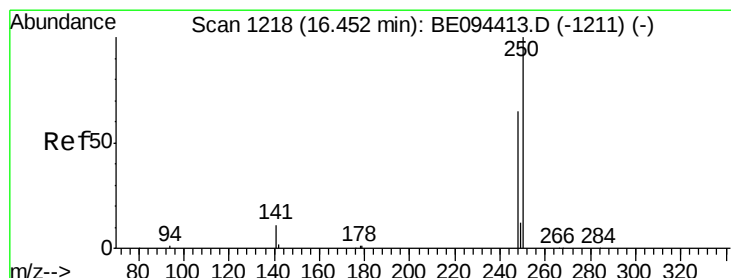
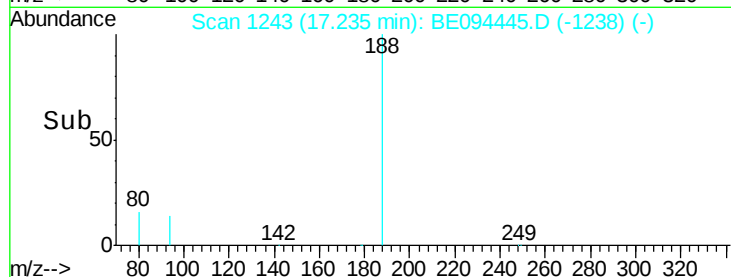
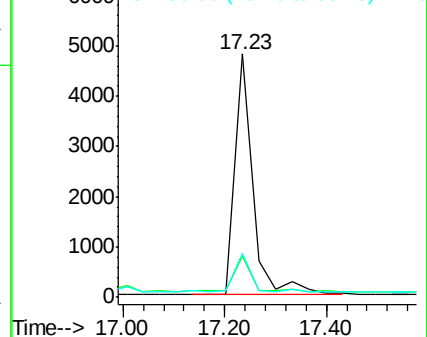
80 18.0 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

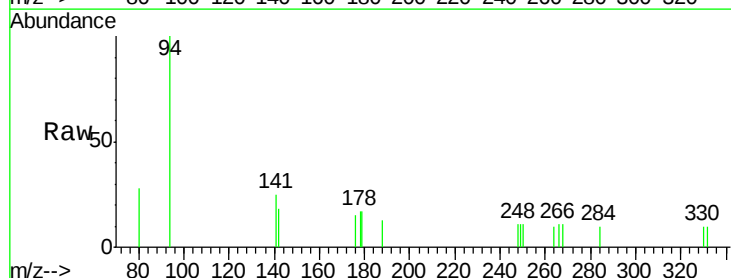
Tgt Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

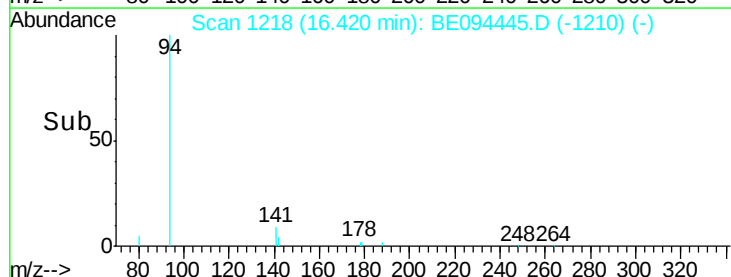
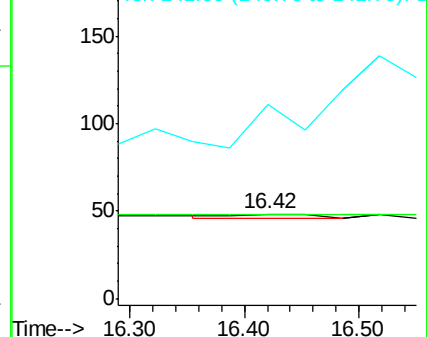
141 231.3 48.2 72.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.028 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

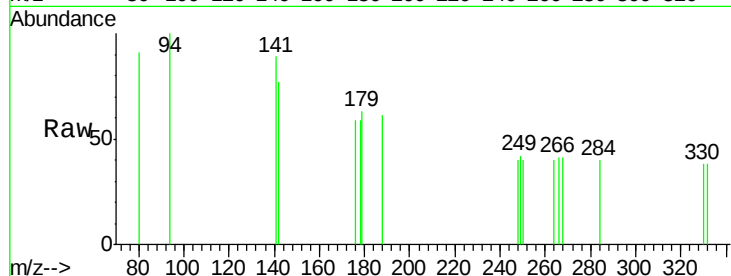
Tgt Ion:284 Resp: 10

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 0.0 34.8 52.2#

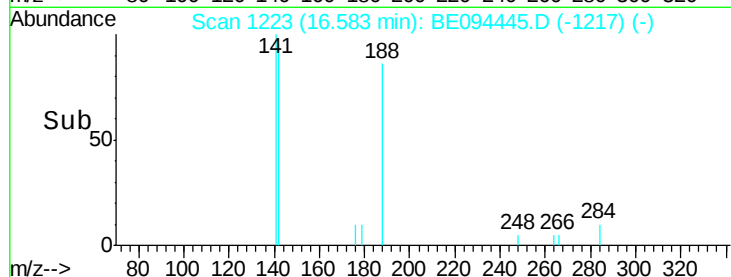


Abundance Ion 283.80 (283.50 to 284.50): E

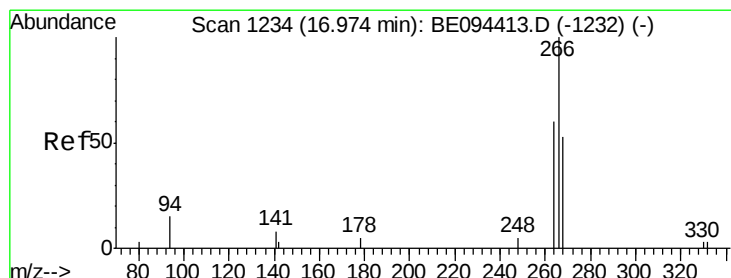
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.58



Time-->



#22

Pentachlorophenol

Concen: 0.161 ng

RT: 16.97 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

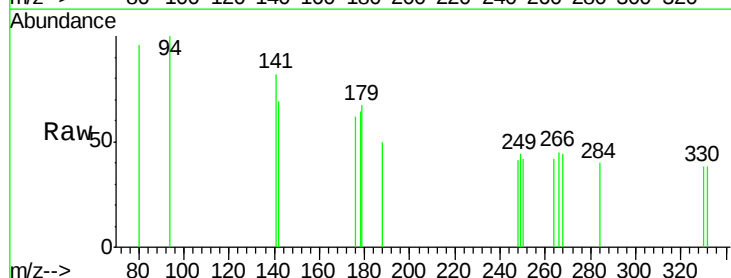
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 94.3 72.5 108.7

268 98.1 73.8 110.6

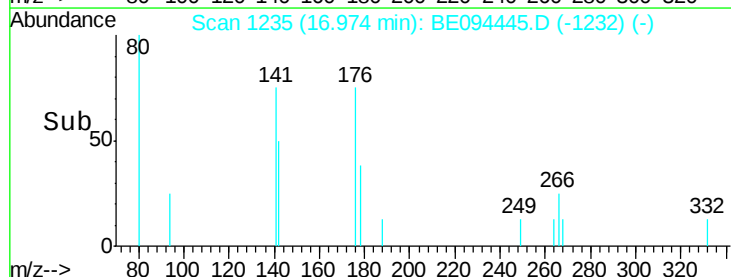


Abundance Ion 266.00 (265.70 to 266.70): E

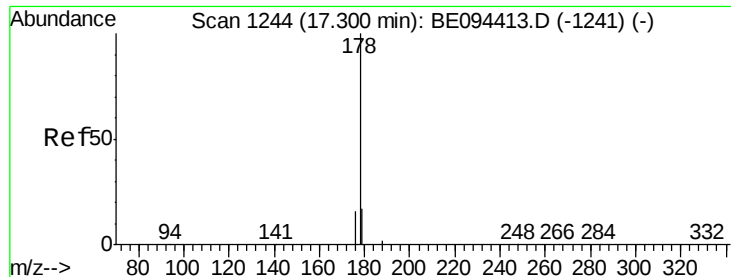
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.97



Time-->



#23

Phenanthrene

Concen: 0.013 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.07 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

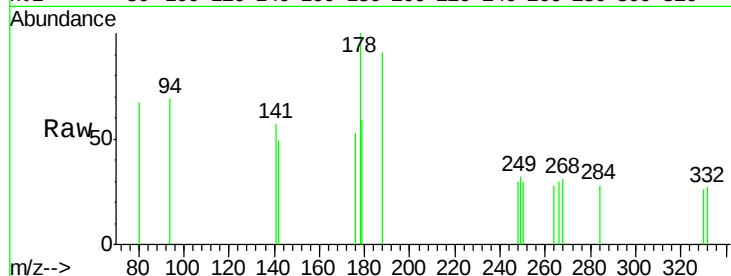
Tgt Ion:178 Resp: 618

Ion Ratio Lower Upper

178 100

176 10.2 15.1 22.7#

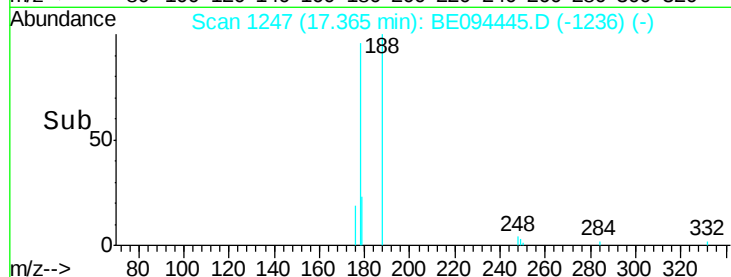
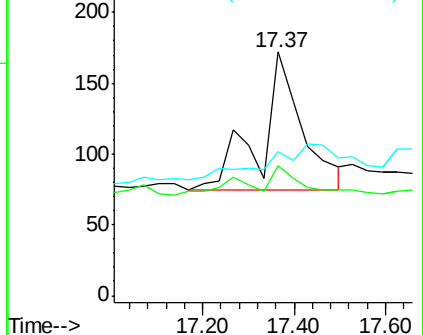
179 0.0 11.8 17.6#



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



#24

Anthracene

Concen: 0.017 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

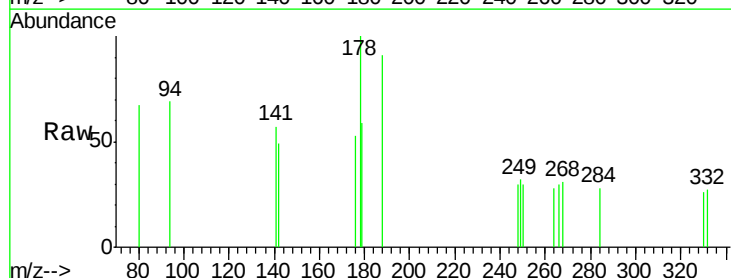
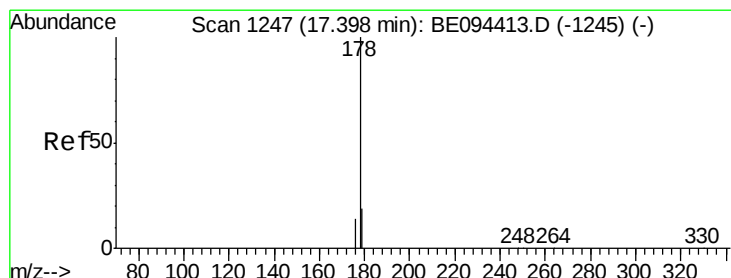
Tgt Ion:178 Resp: 618

Ion Ratio Lower Upper

178 100

176 10.7 12.8 19.2#

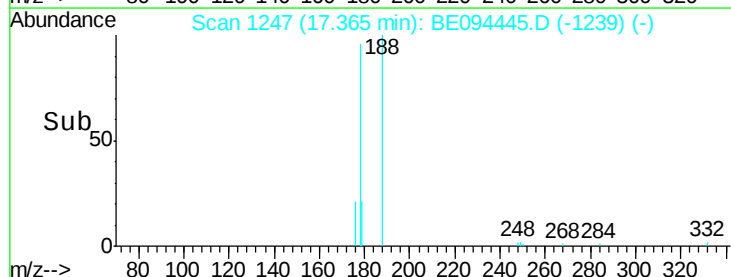
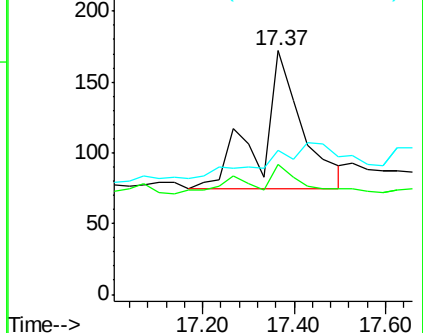
179 0.0 13.0 19.6#

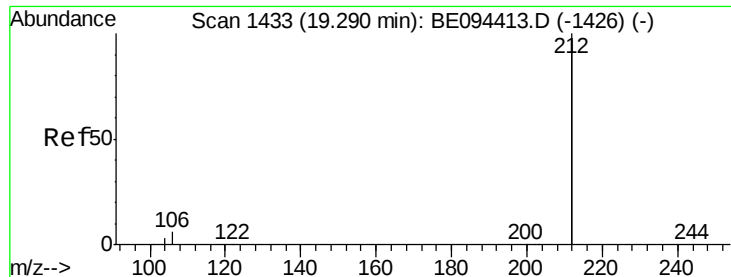


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.326 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

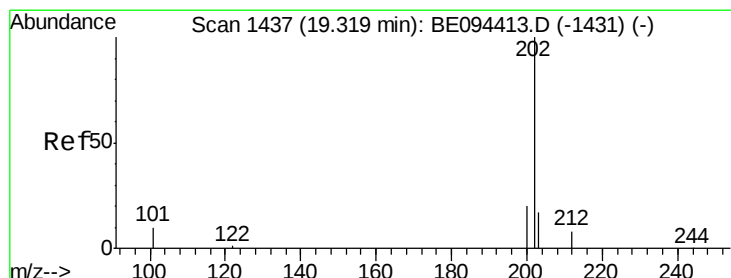
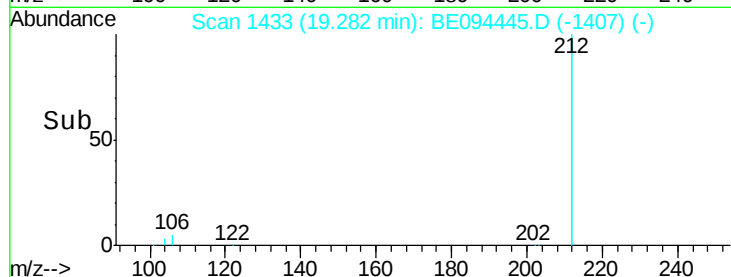
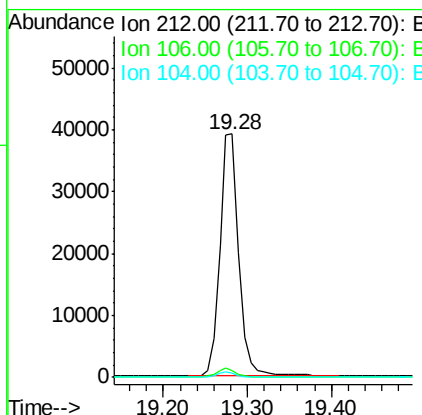
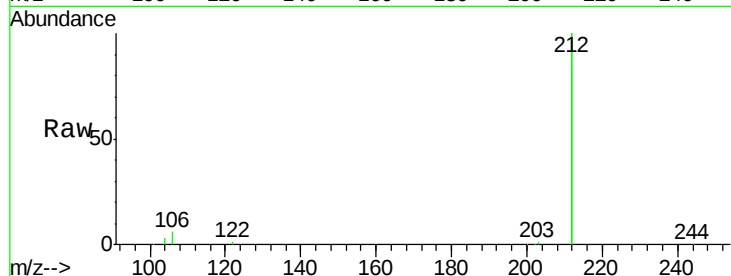
Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

Tgt Ion:	212	Resp:	61094
Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4



#26

Fluoranthene

Concen: 0.007 ng

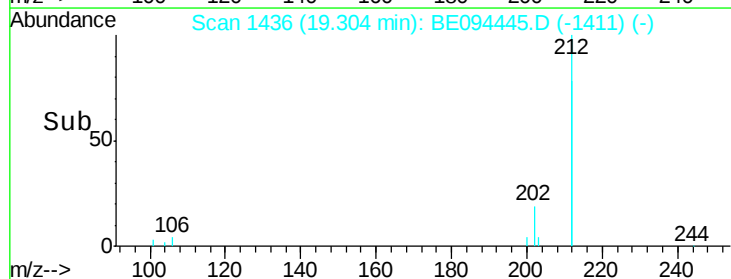
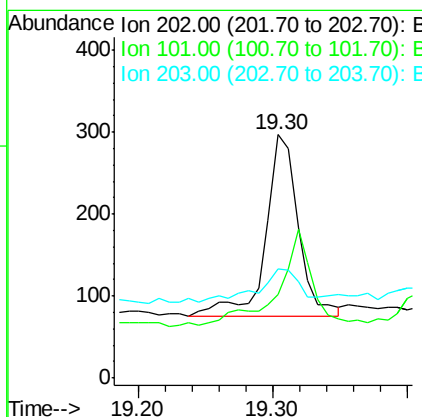
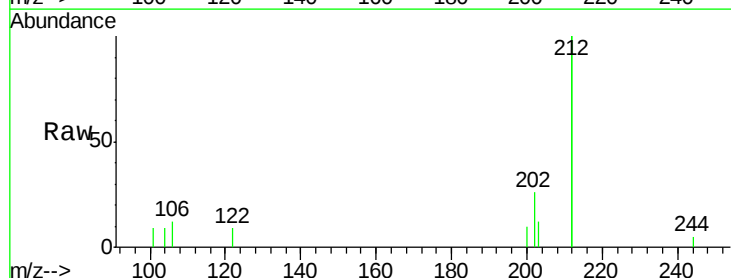
RT: 19.30 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Tgt Ion:	202	Resp:	379
Ion	Ratio	Lower	Upper
202	100		
101	58.3	9.8	14.8#
203	22.7	13.7	20.5#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

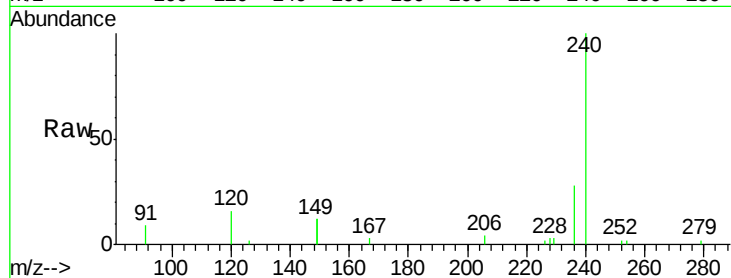
Tgt Ion:240 Resp: 10943

Ion Ratio Lower Upper

240 100

120 16.4 5.5 8.3#

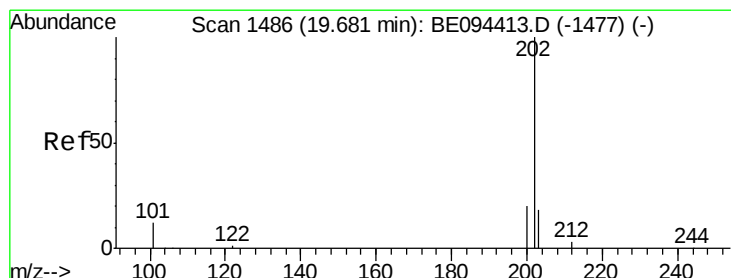
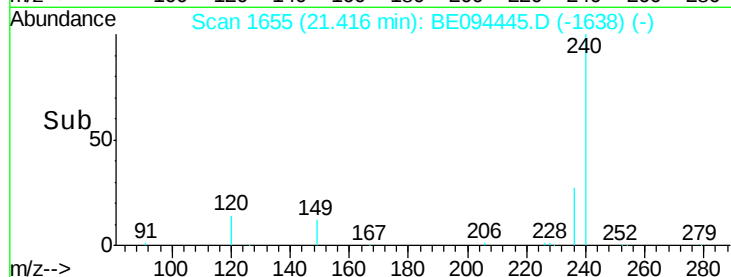
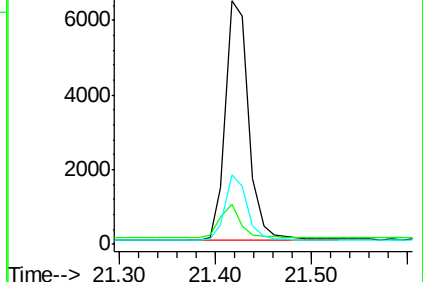
236 28.3 20.7 31.1



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



#28

Pyrene

Concen: 0.009 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

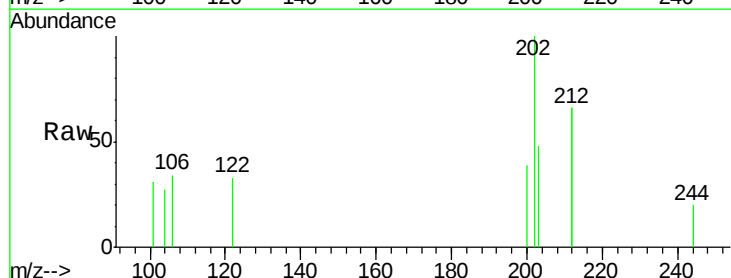
Tgt Ion:202 Resp: 363

Ion Ratio Lower Upper

202 100

200 25.9 16.6 25.0#

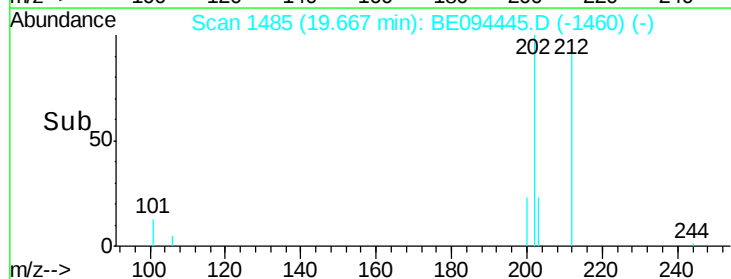
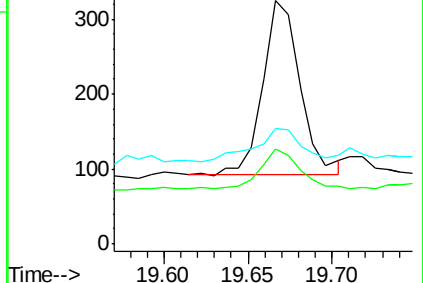
203 25.1 13.8 20.8#

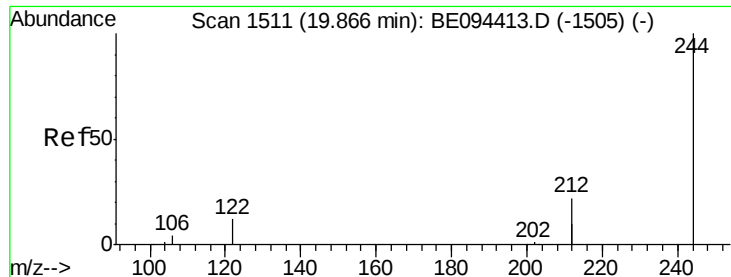


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.471 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

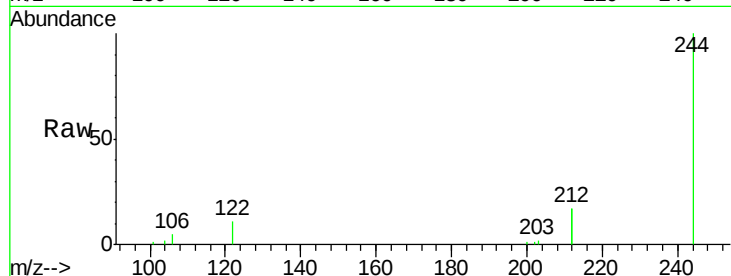
Tgt Ion:244 Resp: 10393

Ion Ratio Lower Upper

244 100

212 33.9 25.4 38.0

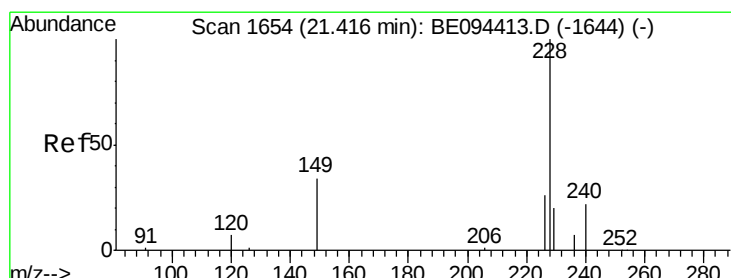
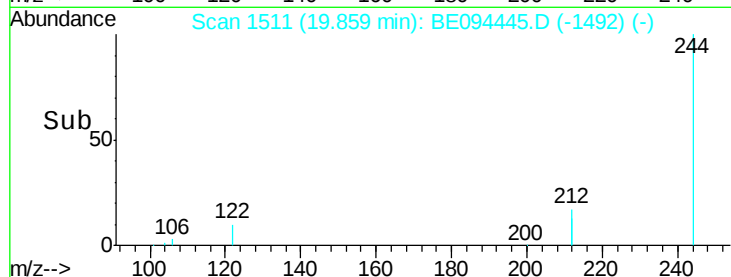
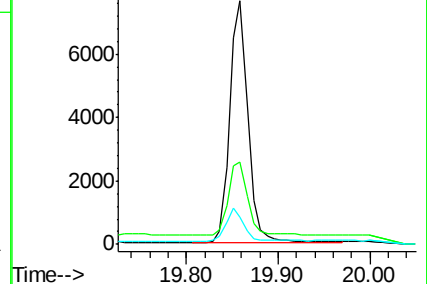
122 11.3 8.1 12.1



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



#30

Benzo(a)anthracene

Concen: 0.007 ng

RT: 21.41 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

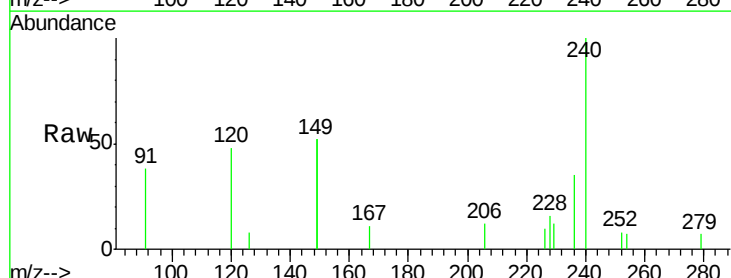
Tgt Ion:228 Resp: 273

Ion Ratio Lower Upper

228 100

226 67.2 40.0 60.0#

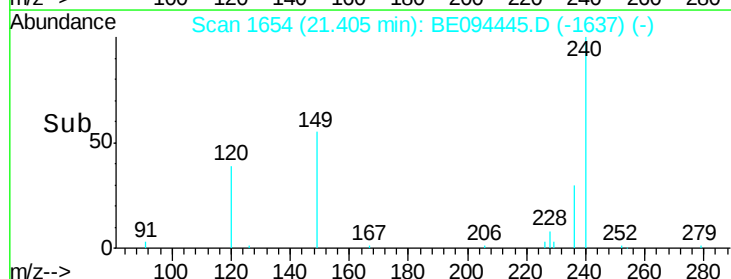
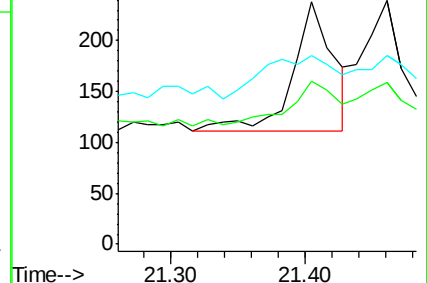
229 77.7 40.0 60.0#

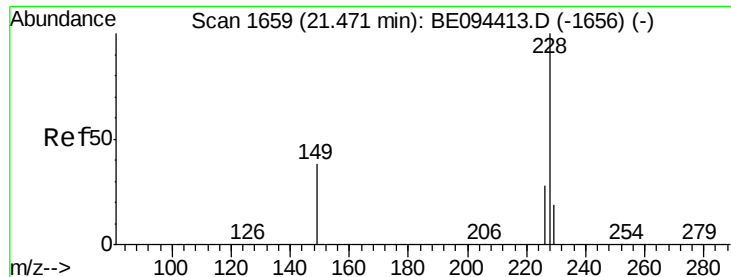


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.007 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

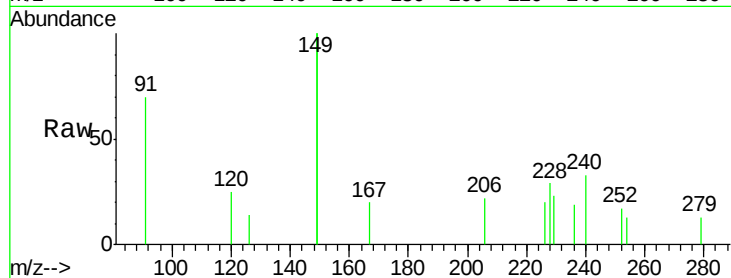
Tgt Ion: 228 Resp: 246

Ion Ratio Lower Upper

228 100

226 66.5 40.0 60.0#

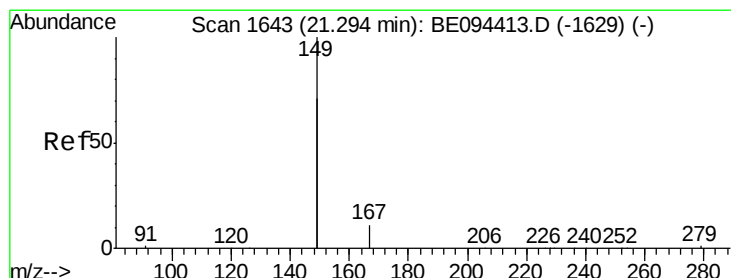
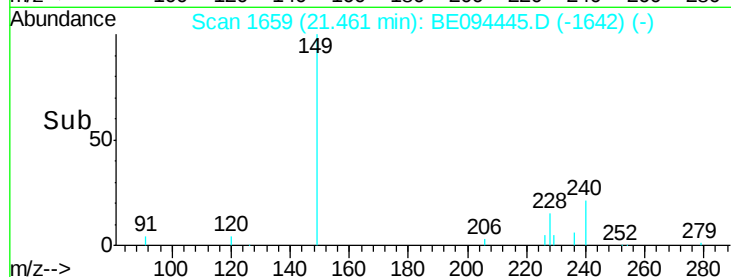
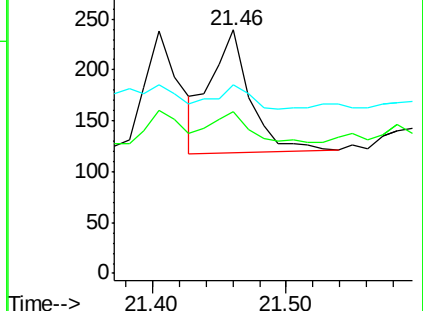
229 77.8 40.0 60.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.086 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

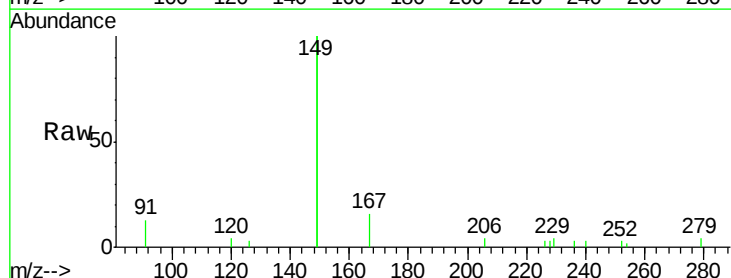
Tgt Ion: 149 Resp: 9374

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

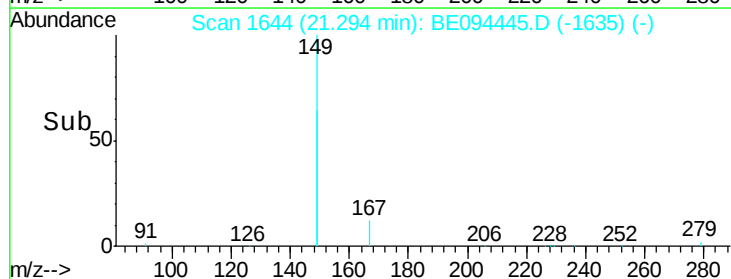
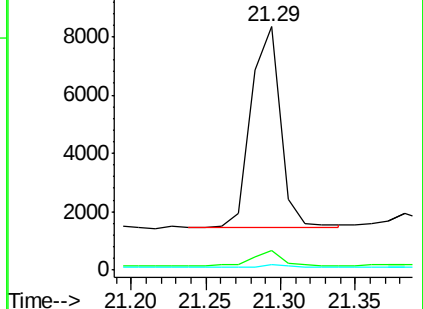
279 1.1 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.019 ng

RT: 26.64 min Scan# 2718

Delta R.T. -0.02 min

Lab File: BE094445.D

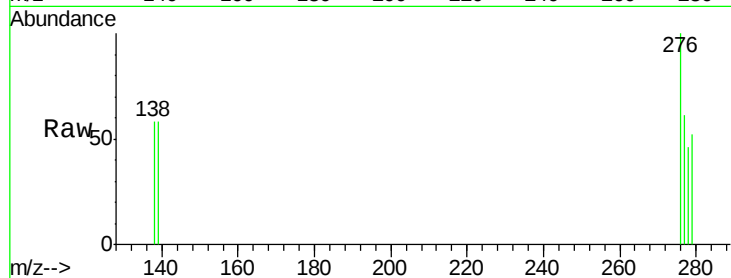
Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011



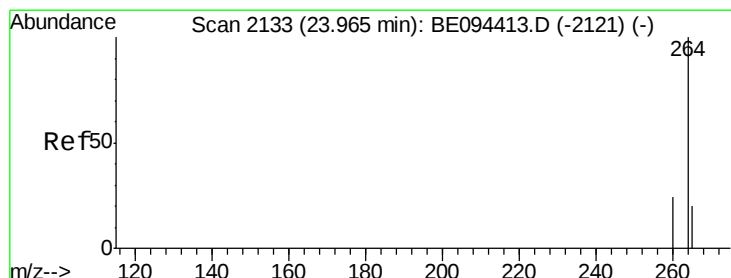
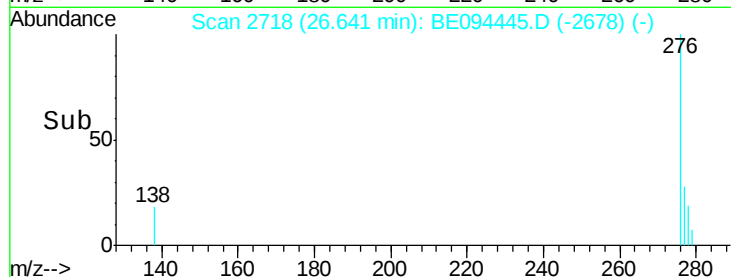
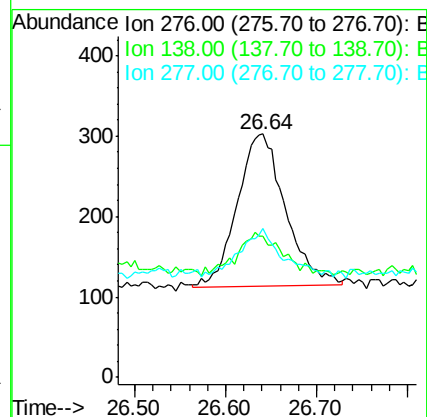
Tgt Ion:276 Resp: 697

Ion Ratio Lower Upper

276 100

138 24.8 22.5 33.7

277 28.6 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

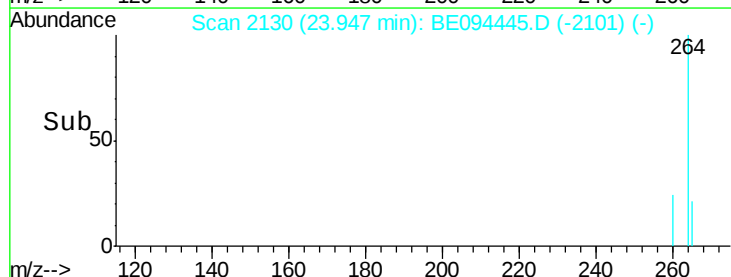
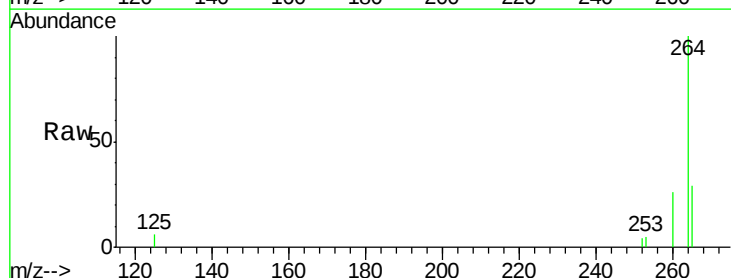
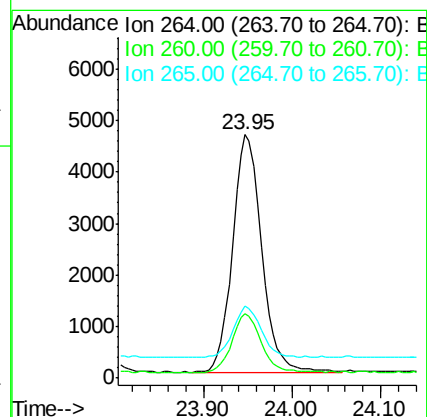
Tgt Ion:264 Resp: 10544

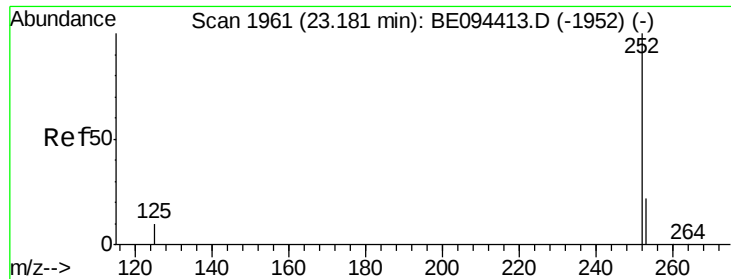
Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 29.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.012 ng

RT: 23.18 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011

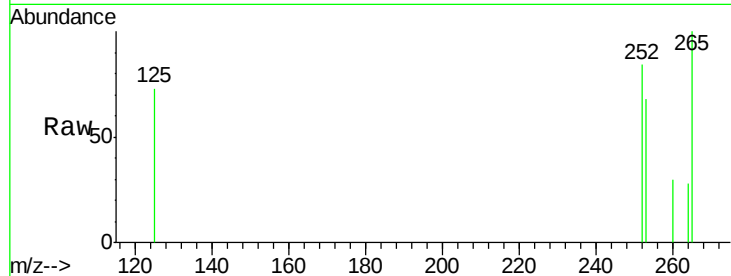
Tgt Ion:252 Resp: 438

Ion Ratio Lower Upper

252 100

253 80.1 48.0 72.0#

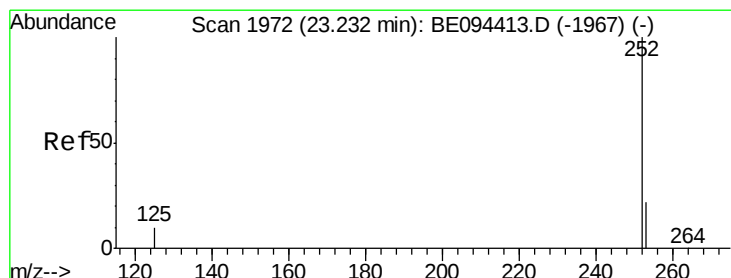
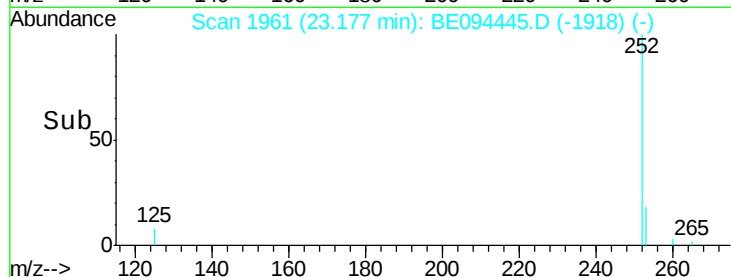
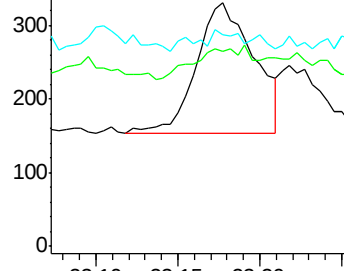
125 87.0 56.0 84.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.012 ng

RT: 23.18 min Scan# 1961

Delta R.T. -0.05 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

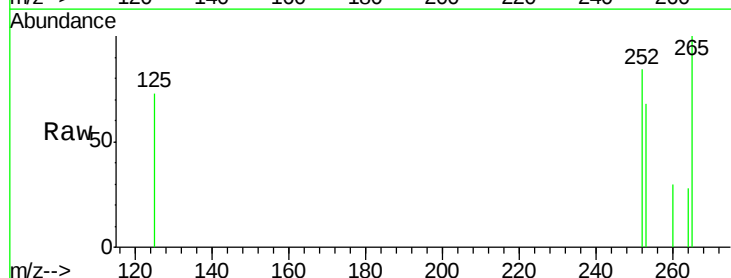
Tgt Ion:252 Resp: 438

Ion Ratio Lower Upper

252 100

253 80.1 48.0 72.0#

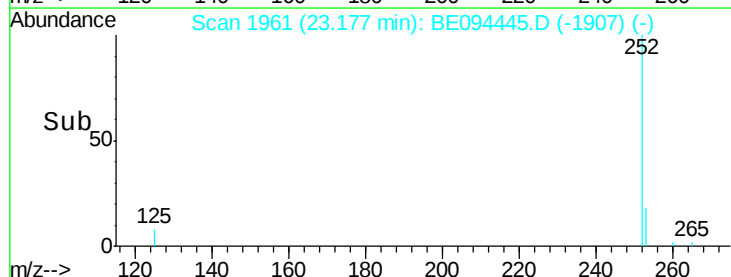
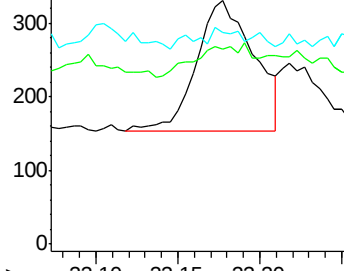
125 87.0 56.0 84.0#

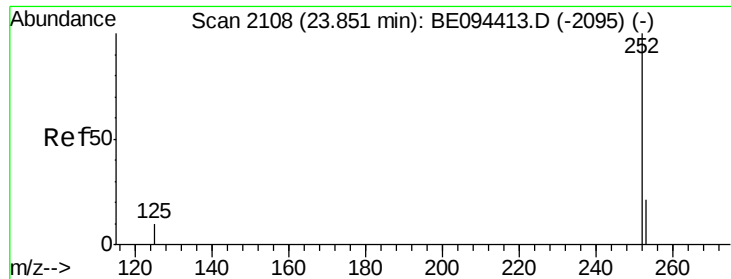


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.011 ng

RT: 23.83 min Scan# 2105

Delta R.T. -0.02 min

Lab File: BE094445.D

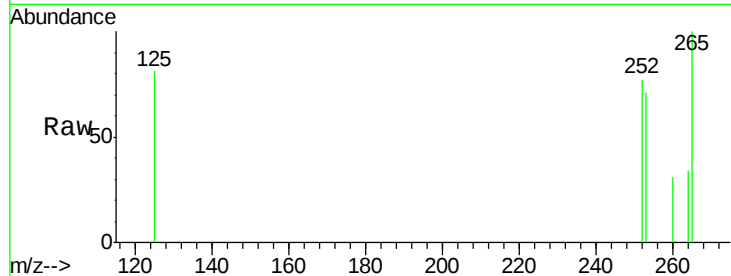
Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011



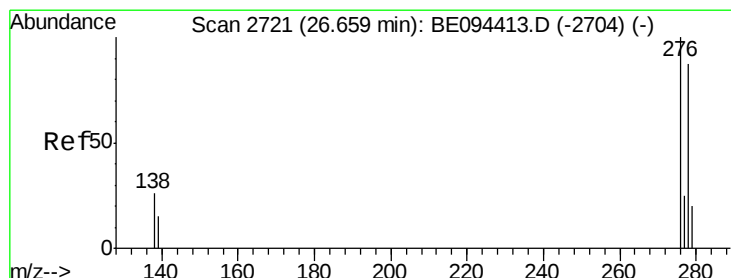
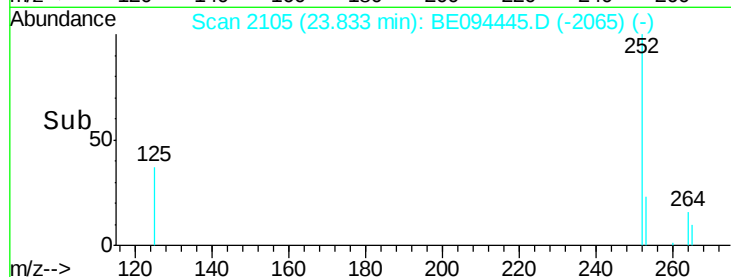
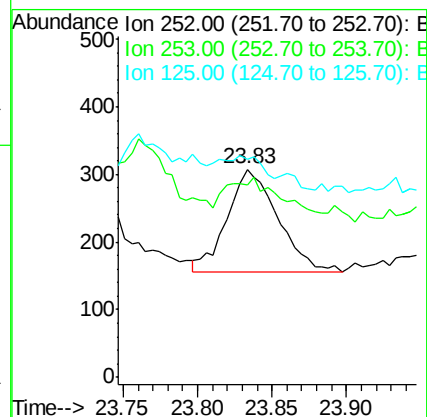
Tgt Ion: 252 Resp: 356

Ion Ratio Lower Upper

252 100

253 92.2 52.0 78.0#

125 104.9 68.0 102.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 26.61 min Scan# 2712

Delta R.T. -0.05 min

Lab File: BE094445.D

Acq: 19 Oct 2017 13:30

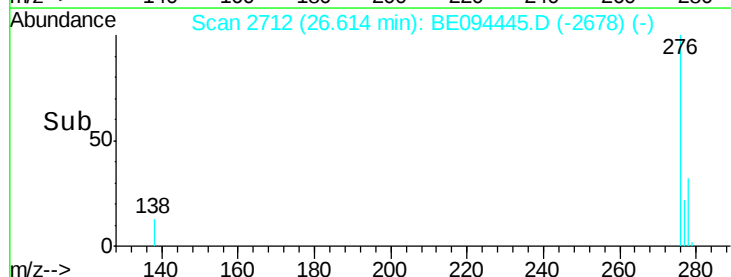
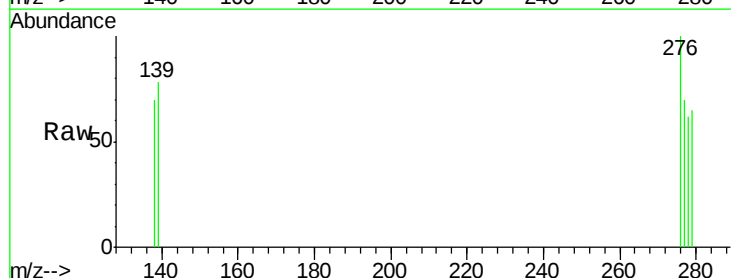
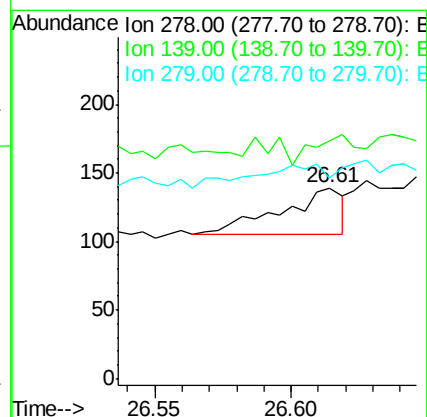
Tgt Ion: 278 Resp: 54

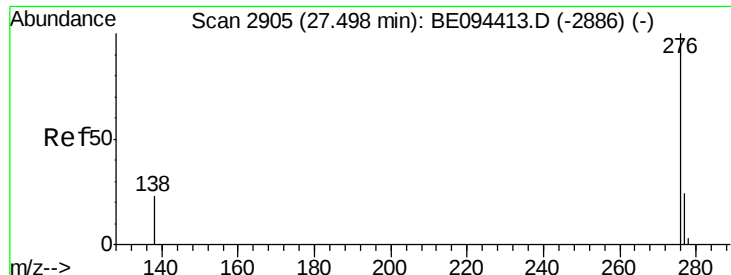
Ion Ratio Lower Upper

278 100

139 124.5 56.0 84.0#

279 105.0 52.0 78.0#





#39

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 27.48 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BE094445.D

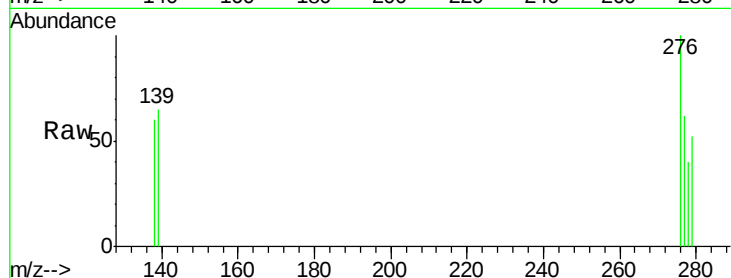
Acq: 19 Oct 2017 13:30

Instrument :

BNA_E

ClientSampleId :

KY038PS027-171011



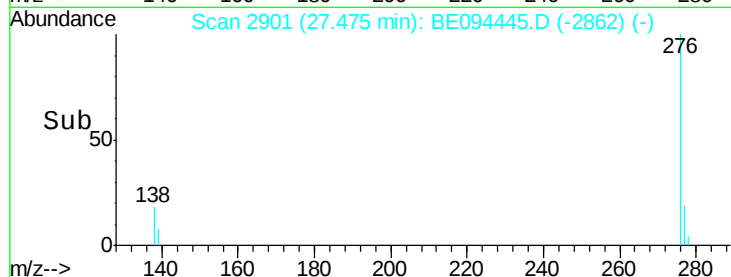
Tgt Ion: 276 Resp: 628

Ion Ratio Lower Upper

276 100

277 62.4 52.0 78.0

138 59.8 44.0 66.0



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

