

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102317\
 Data File : BE094508.D
 Acq On : 23 Oct 2017 22:50
 Operator : SJ/JU
 Sample : I5950-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 20170725-PA-A-COMP1

Quant Time: Oct 24 02:14:50 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1356	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7785	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4801	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	12866	0.40	ng	0.00
27) Chrysene-d12	21.42	240	9902	0.40	ng	-0.01
34) Perylene-d12	23.93	264	9601	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	746	0.16	ng	0.00
5) Phenol-d6	7.11	99	629	0.09	ng	-0.03
8) Nitrobenzene-d5	9.06	82	2654	0.43	ng	-0.02
11) 2-Methylnaphthalene-d10	12.27	152	4684	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	13.13	172	6276	0.37	ng	-0.01
25) Fluoranthene-d10	19.27	212	46852	0.27	ng	-0.01
29) Terphenyl-d14	19.85	244	8724	0.47	ng	-0.02

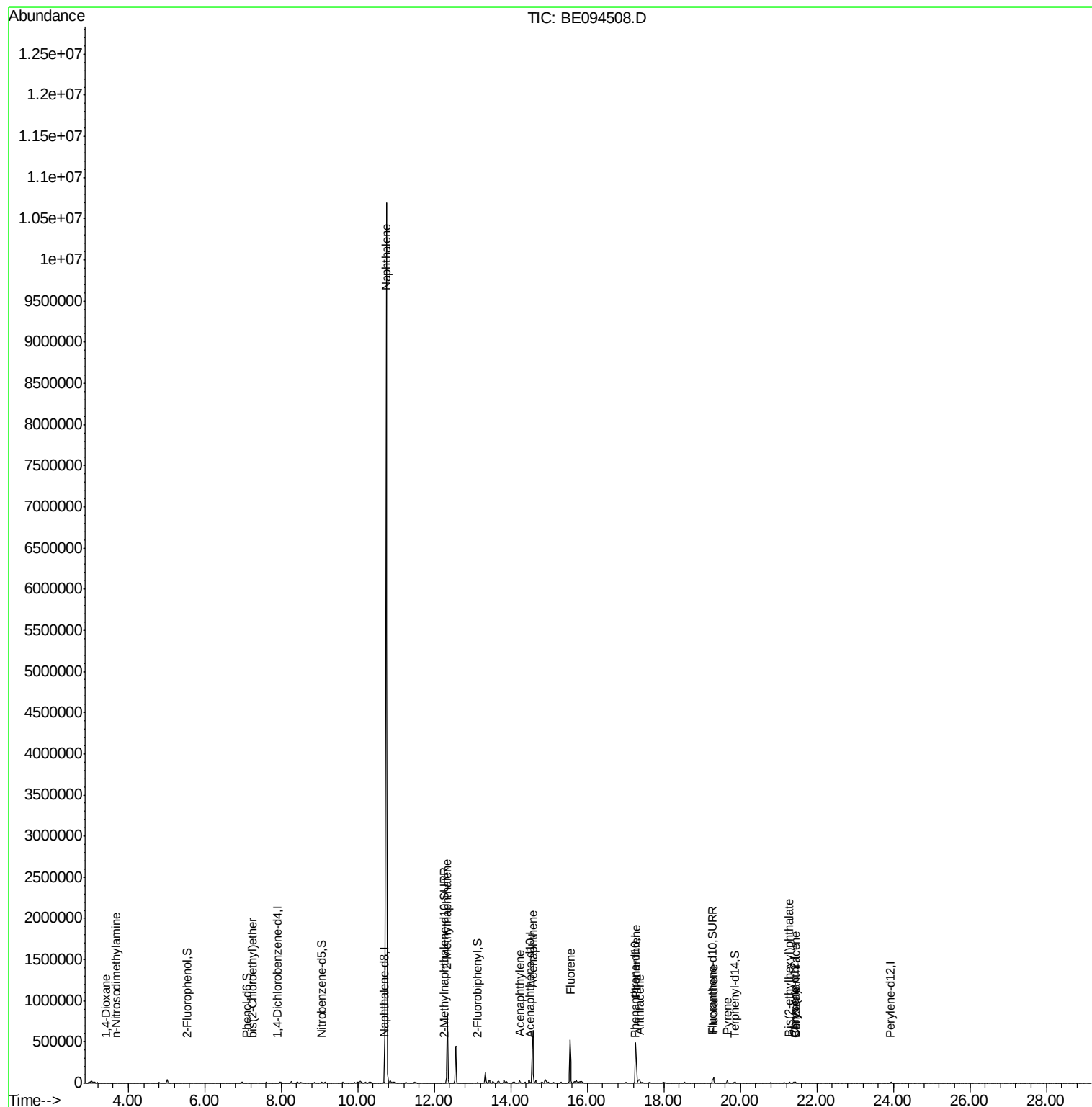
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	107	0.05	ng	# 16
3) n-Nitrosodimethylamine	3.69	42	528	0.24	ng	# 10
6) bis(2-Chloroethyl)ether	7.24	93	1195	0.22	ng	# 1
9) Naphthalene	10.74	128	20055750	227.62	ng	99
12) 2-Methylnaphthalene	12.34	142	595830	39.86	ng	97
16) Acenaphthylene	14.23	152	28894	1.14	ng	# 94
17) Acenaphthene	14.57	154	344375	21.16	ng	98
18) Fluorene	15.55	166	286339	13.73	ng	97
23) Phenanthrene	17.27	178	732292	25.03	ng	# 90
24) Anthracene	17.37	178	66004	1.75	ng	# 81
26) Fluoranthene	19.30	202	56783	1.46	ng	99
28) Pyrene	19.66	202	33025	0.95	ng	# 95
30) Benzo(a)anthracene	21.45	228	1339	0.04	ng	90
31) Chrysene	21.45	228	1332	0.04	ng	90
32) Bis(2-ethylhexyl)phthalate	21.28	149	10002	0.13	ng	# 99

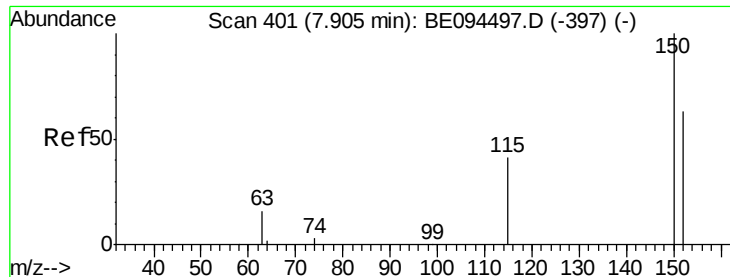
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

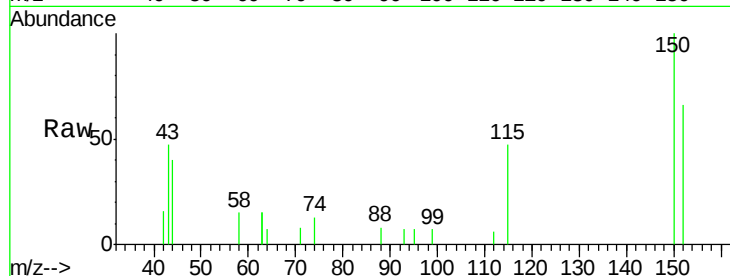
Tot Ion:152 Resp: 1356

Ion Ratio Lower Upper

152 100

150 150.8 117.2 175.8

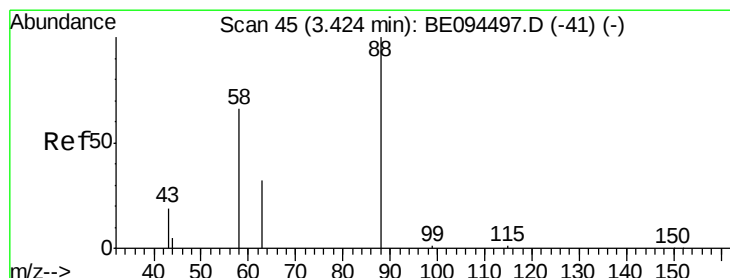
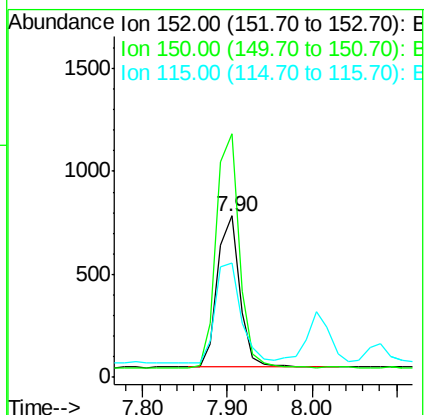
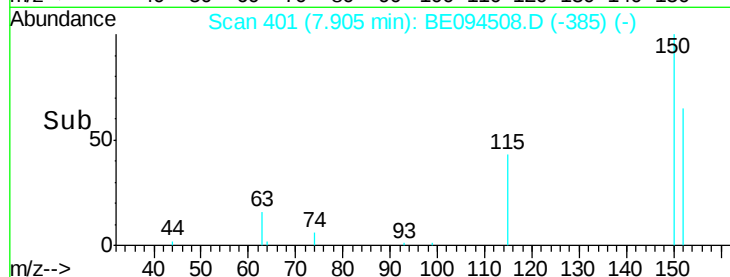
115 71.0 57.0 85.6



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: 0.05 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

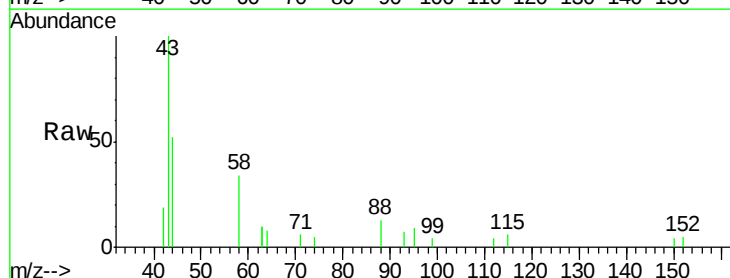
Tgt Ion: 88 Resp: 107

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

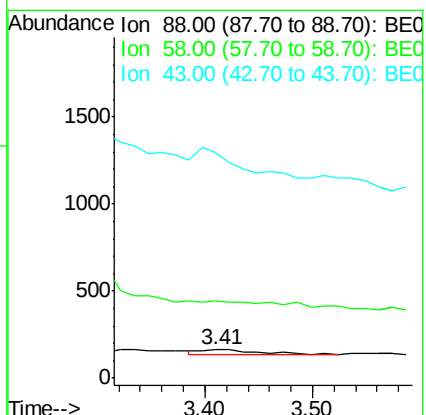
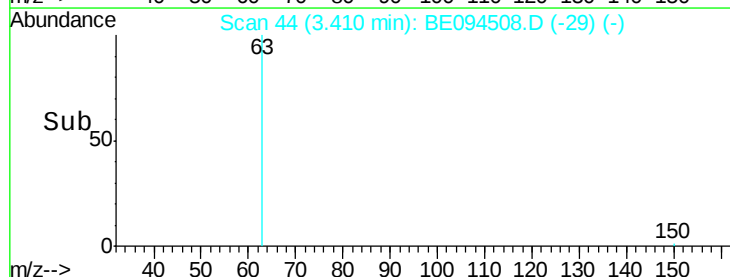
43 0.0 41.2 61.8#

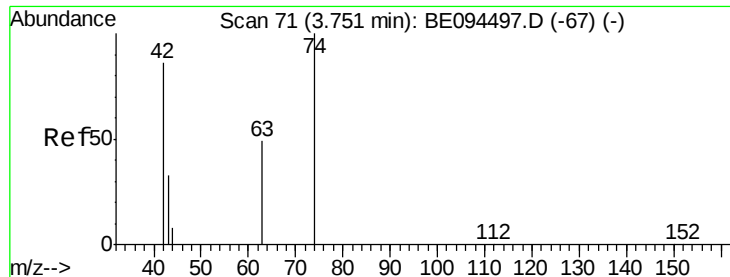


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.24 ng

RT: 3.69 min Scan# 66

Delta R.T. -0.06 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

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20170725-PA-A-COMP1

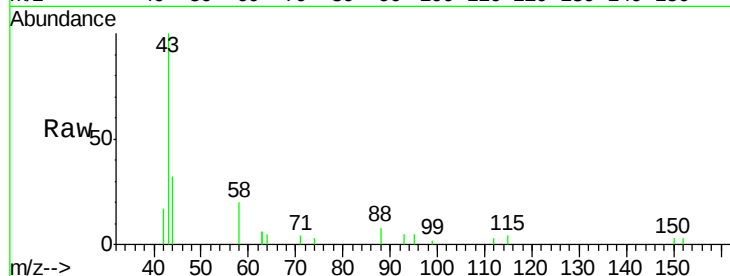
Tot Ion: 42 Resp: 528

Ion Ratio Lower Upper

42 100

74 7.4 100.3 150.5#

44 26.1 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

800

600

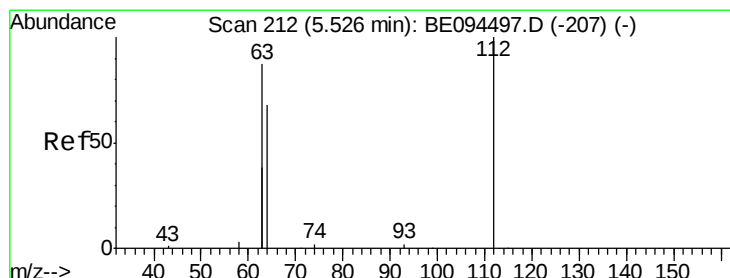
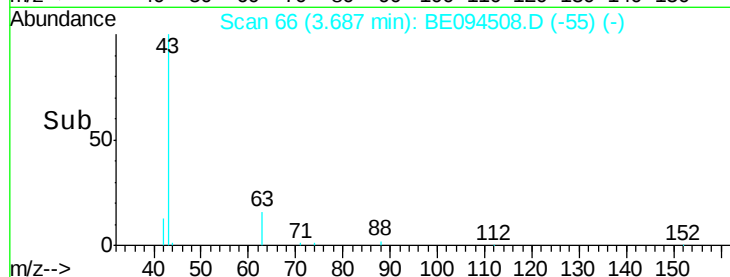
400

200

0

3.50 3.60 3.70 3.80

Time-->



#4

2-Fluorophenol

Concen: 0.16 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

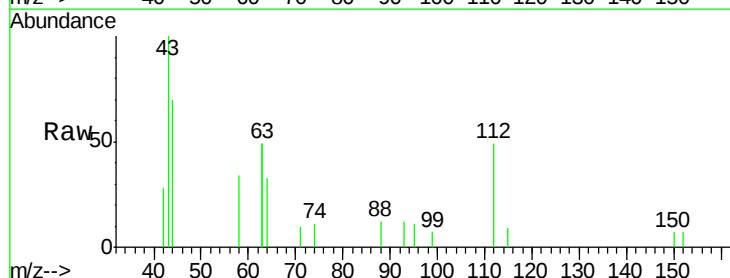
Tgt Ion: 112 Resp: 746

Ion Ratio Lower Upper

112 100

64 80.6 60.1 90.1

63 0.0 116.8 175.2#



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

1200

1000

800

600

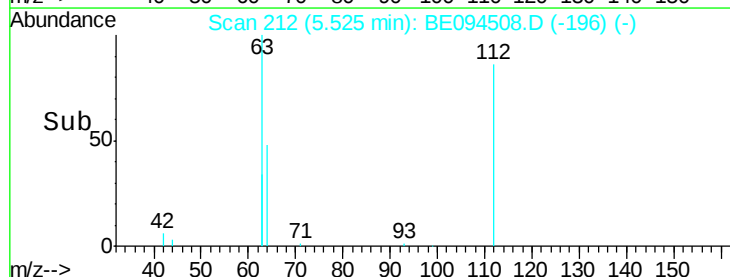
400

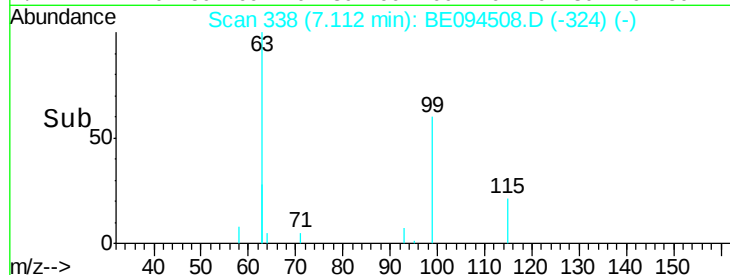
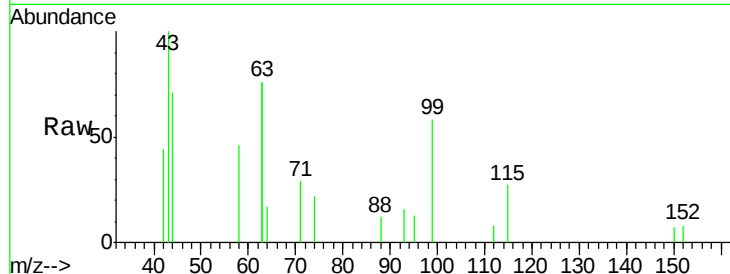
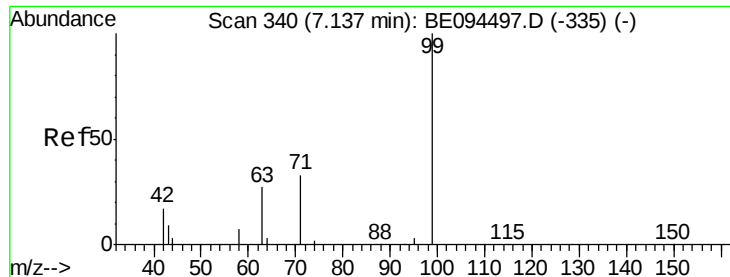
200

0

5.30 5.40 5.50 5.60 5.70

Time-->

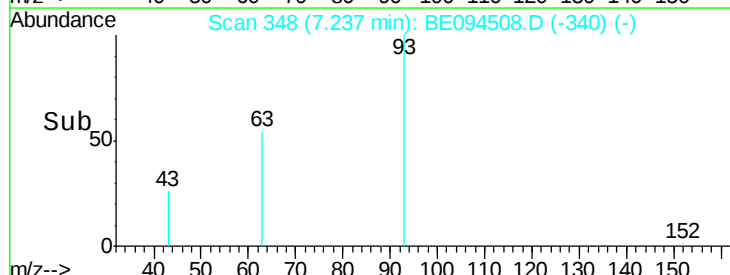
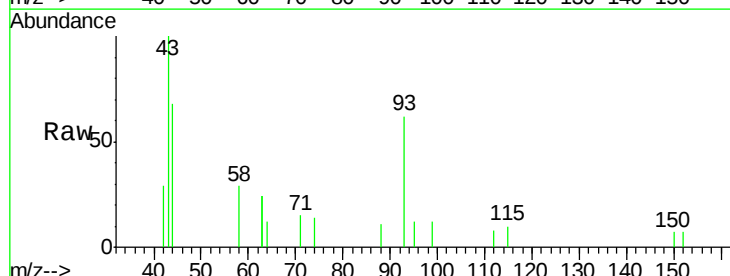
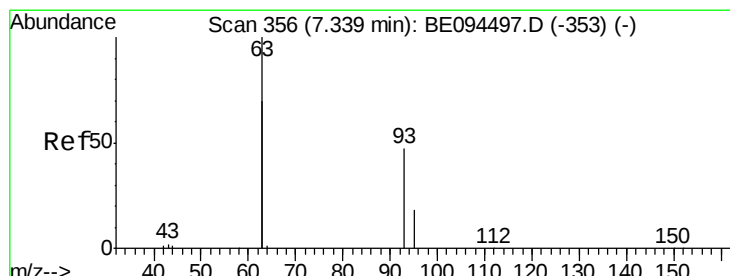
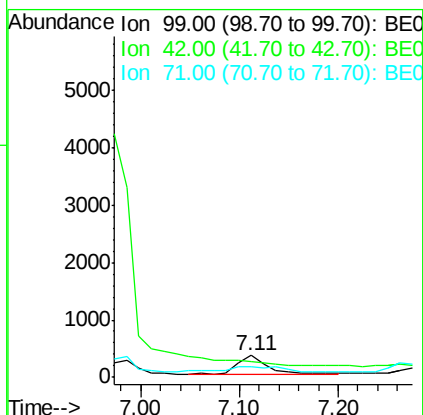




#5
Phenol-d6
Concen: 0.09 ng
RT: 7.11 min Scan# 338
Delta R.T. -0.03 min
Lab File: BE094508.D
Acq: 23 Oct 2017 22:50

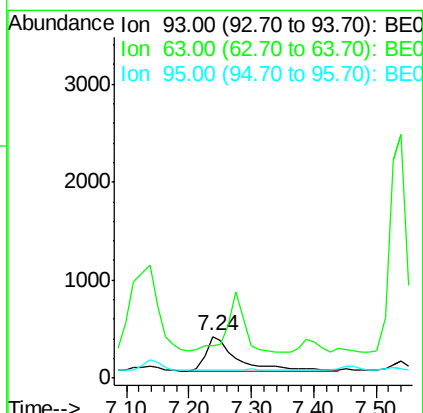
Instrument :
BNA_E
ClientSampleId :
20170725-PA-A-COMP1

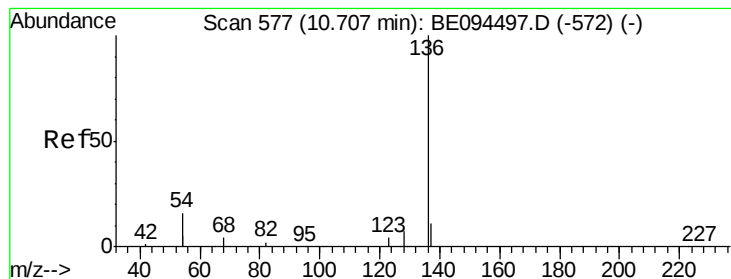
Tot Ion: 99 Resp: 629
Ion Ratio Lower Upper
99 100
42 0.0 20.2 30.2#
71 68.7 28.4 42.6#



#6
bis(2-Chloroethyl)ether
Concen: 0.22 ng
RT: 7.24 min Scan# 348
Delta R.T. -0.10 min
Lab File: BE094508.D
Acq: 23 Oct 2017 22:50

Tgt Ion: 93 Resp: 1195
Ion Ratio Lower Upper
93 100
63 0.0 275.3 412.9#
95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

Tot Ion:136 Resp: 7785

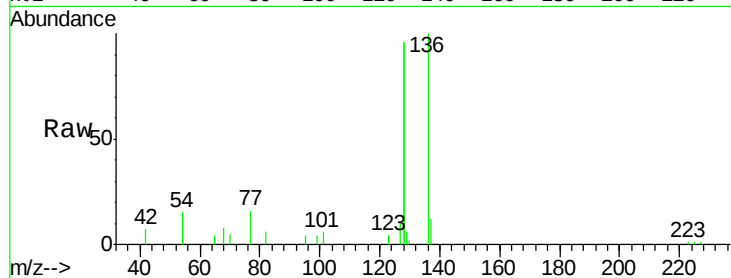
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 29.7 29.1 43.7

68 7.8 6.2 9.2

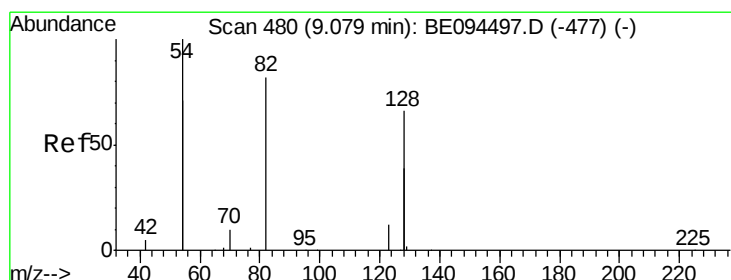
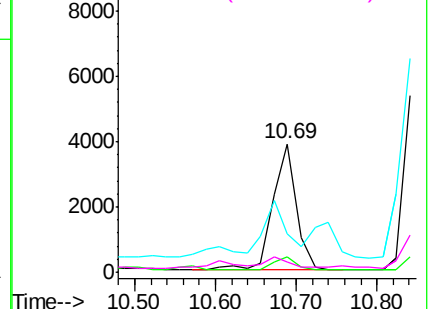
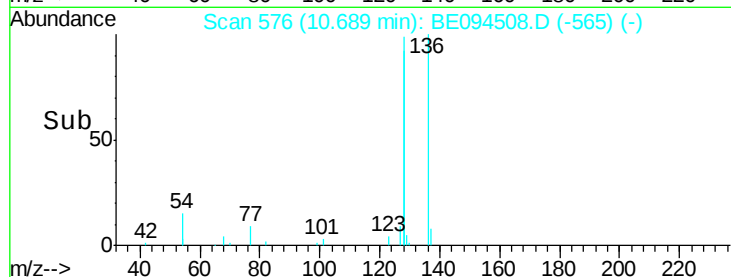


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.43 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

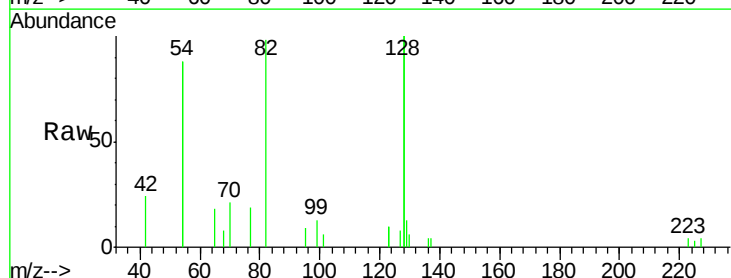
Tgt Ion: 82 Resp: 2654

Ion Ratio Lower Upper

82 100

128 203.1 150.0 225.0

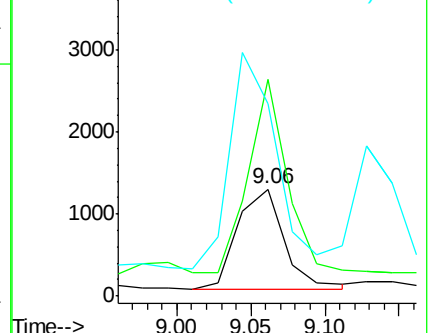
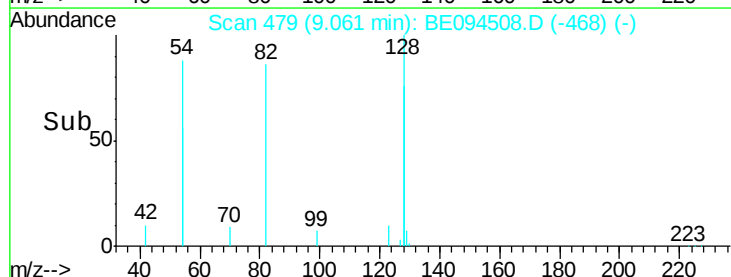
54 179.4 154.2 231.4

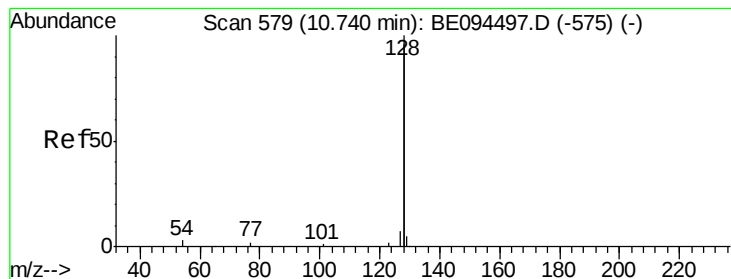


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 227.62 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

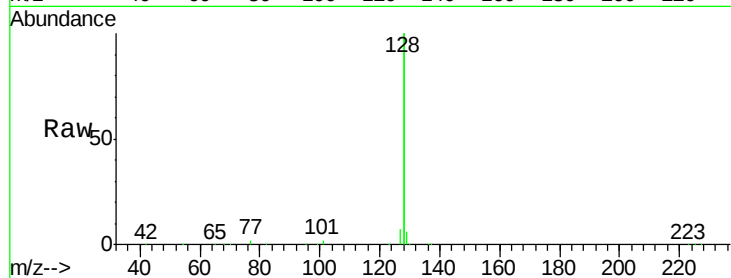
Tot Ion:128 Resp:20055750

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

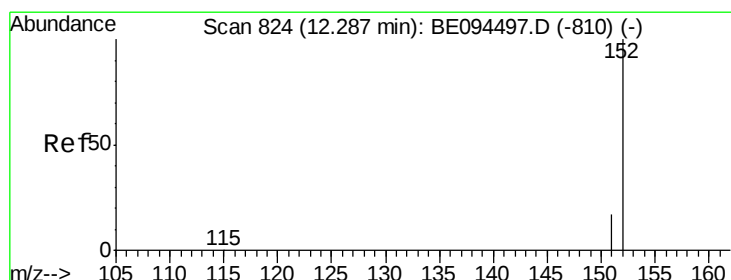
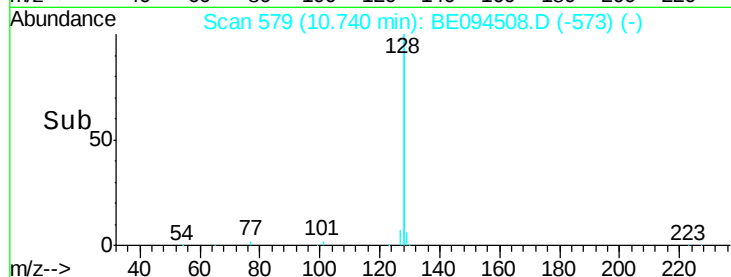
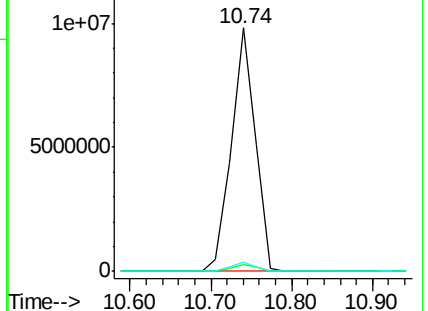
127 3.6 2.8 4.2



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



#11

2-Methylnaphthalene-d10

Concen: 0.37 ng

RT: 12.27 min Scan# 818

Delta R.T. -0.02 min

Lab File: BE094508.D

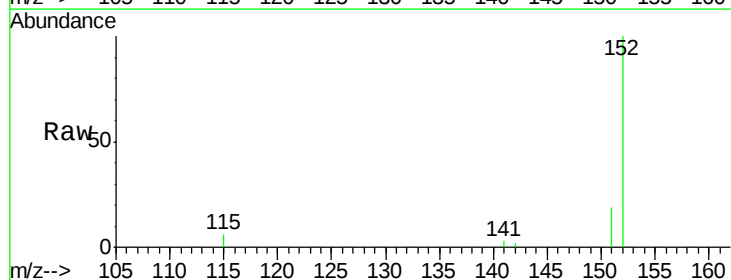
Acq: 23 Oct 2017 22:50

Tgt Ion:152 Resp: 4684

Ion Ratio Lower Upper

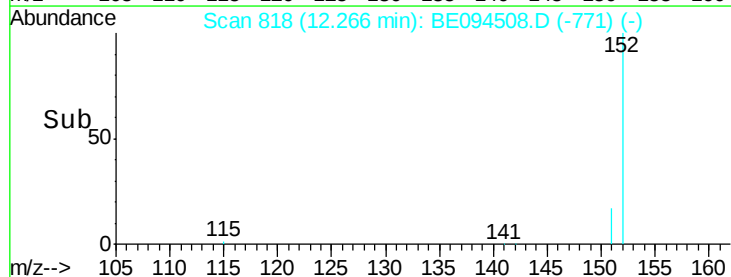
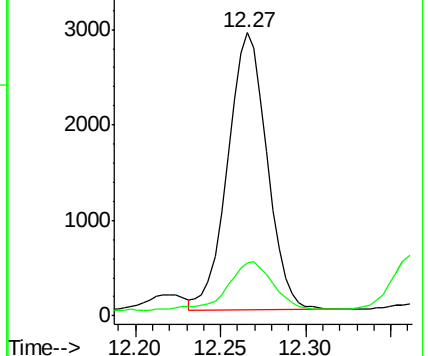
152 100

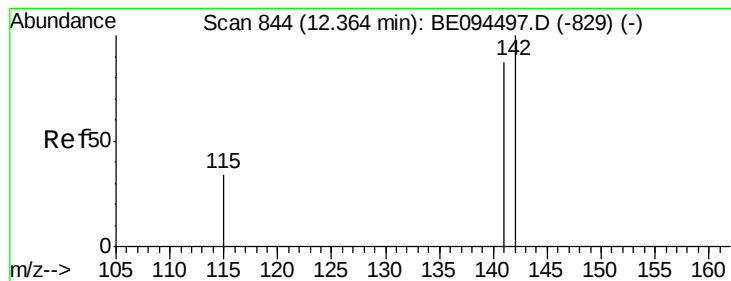
151 20.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 39.86 ng

RT: 12.34 min Scan# 837

Delta R.T. -0.03 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

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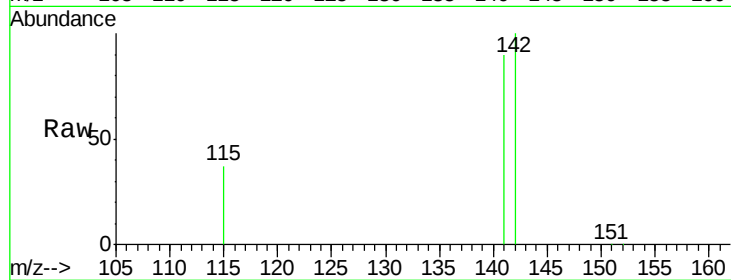
Tot Ion:142 Resp: 595830

Ion Ratio Lower Upper

142 100

141 90.3 70.4 105.6

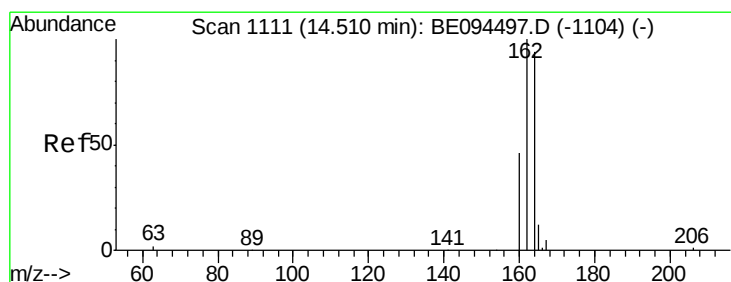
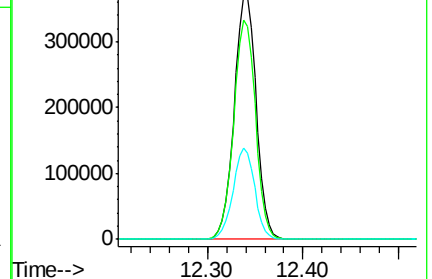
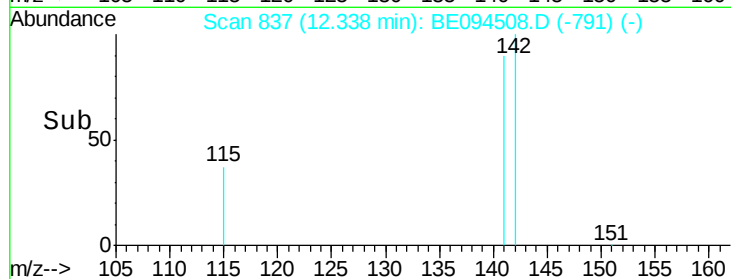
115 37.4 31.7 47.5



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: 0.40 ng

RT: 14.51 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

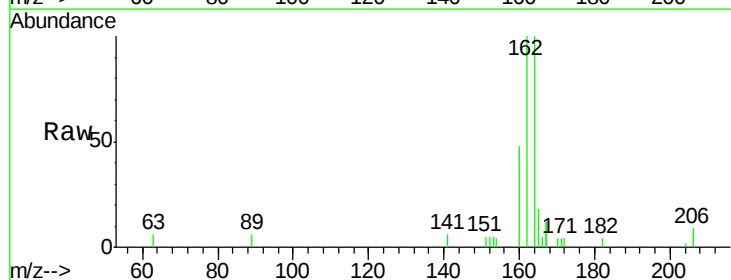
Tgt Ion:164 Resp: 4801

Ion Ratio Lower Upper

164 100

162 99.7 83.1 124.7

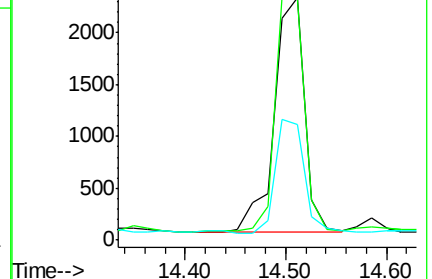
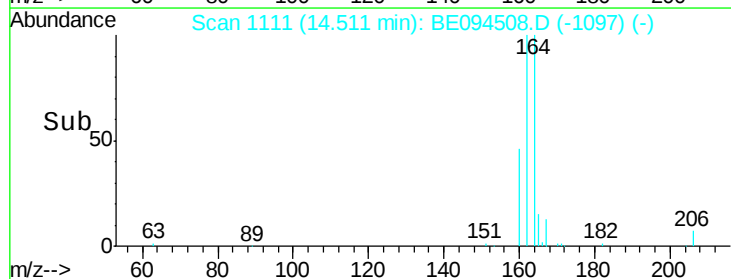
160 47.6 37.1 55.7

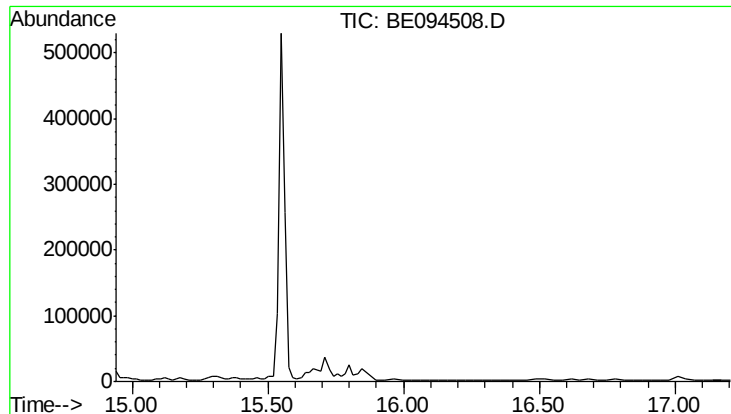


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 16.03 min

Lab File: BE094508.D

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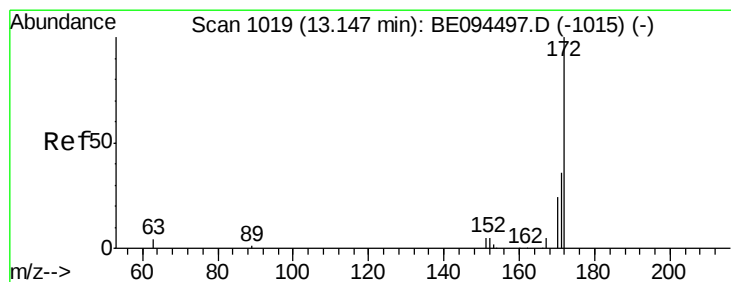
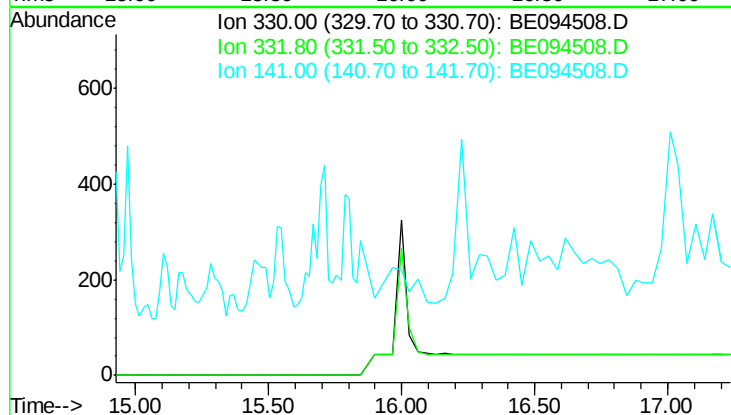
Tot Ion: 330

Sig Exp Ratio

330 100

332 190.9

141 42.1



#15

2-Fluorobiphenyl

Concen: 0.37 ng

RT: 13.13 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

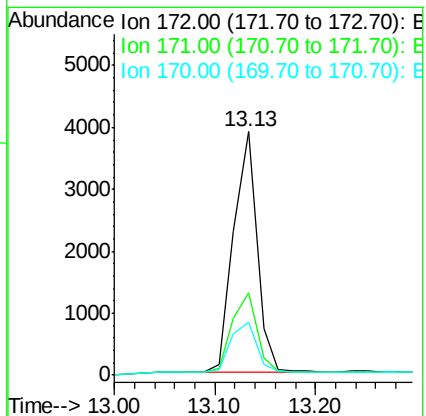
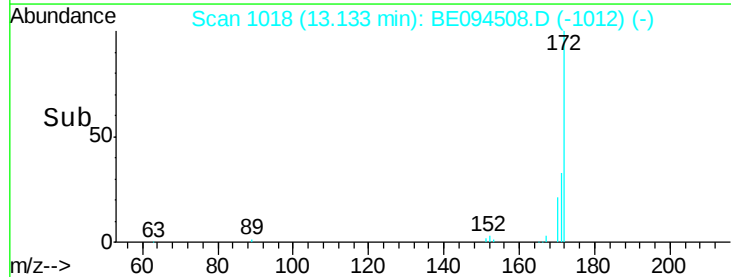
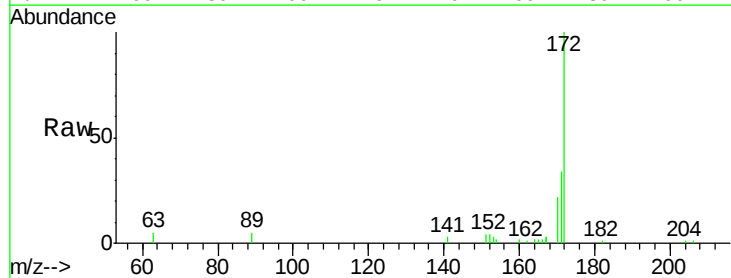
Tgt Ion: 172 Resp: 6276

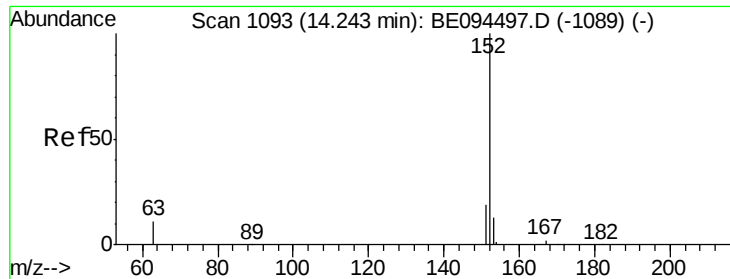
Ion Ratio Lower Upper

172 100

171 33.9 29.9 44.9

170 22.0 21.8 32.8





#16

Acenaphthylene

Concen: 1.14 ng

RT: 14.23 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

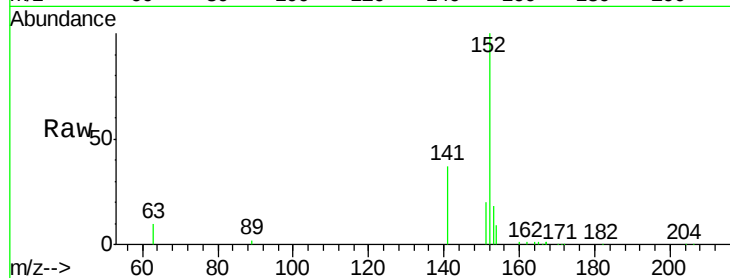
Tot Ion:152 Resp: 28894

Ion Ratio Lower Upper

152 100

151 20.5 15.7 23.5

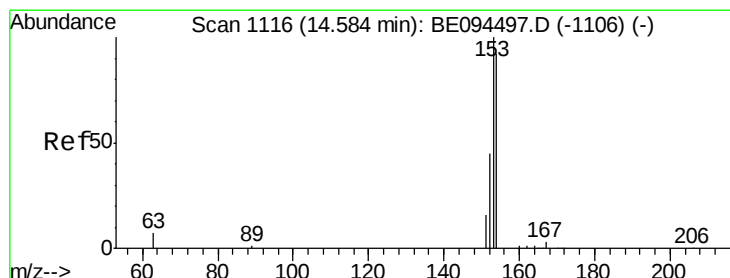
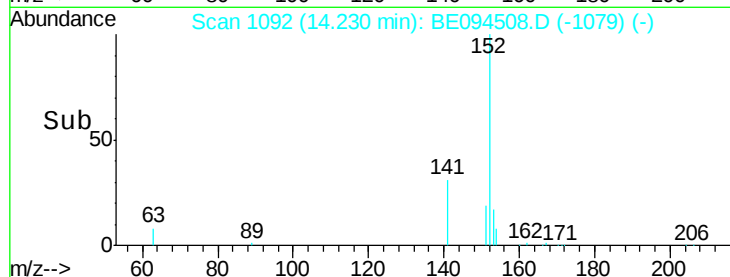
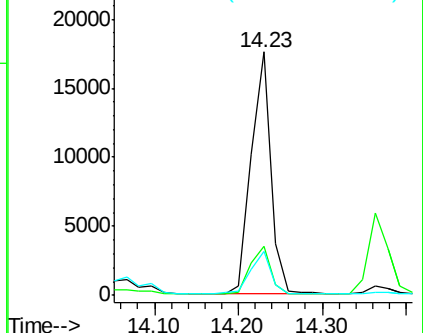
153 18.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 21.16 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

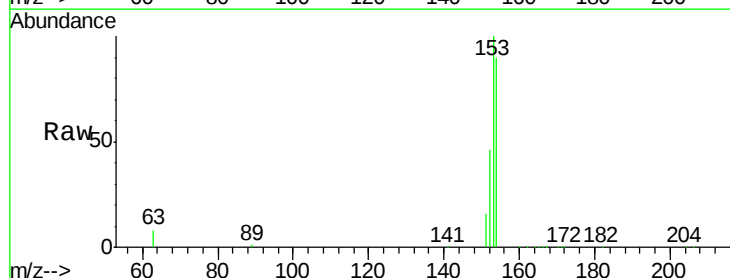
Tgt Ion:154 Resp: 344375

Ion Ratio Lower Upper

154 100

153 114.1 89.2 133.8

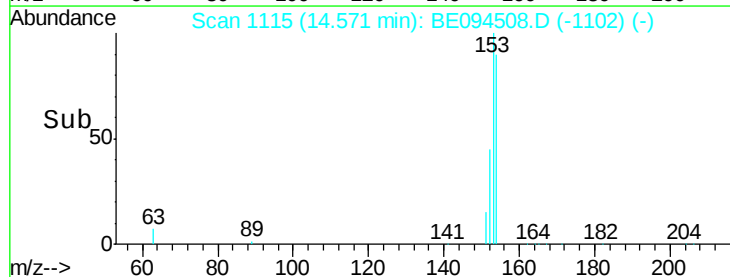
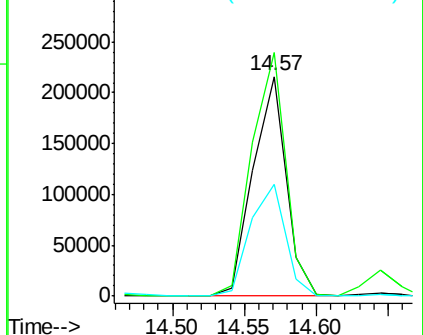
152 54.0 42.0 63.0

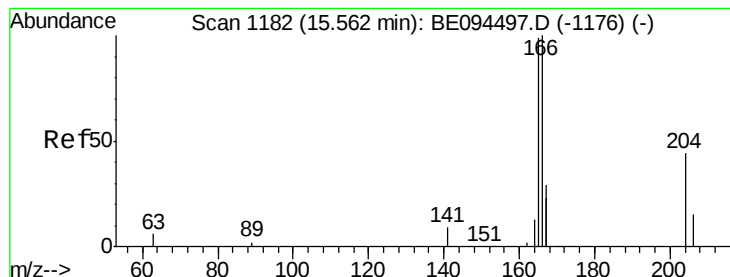


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 13.73 ng

RT: 15.55 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

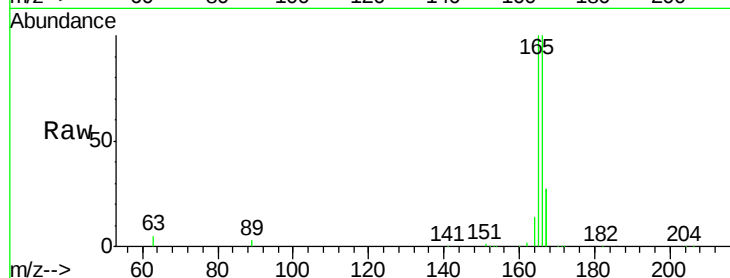
Tot Ion:166 Resp: 286339

Ion Ratio Lower Upper

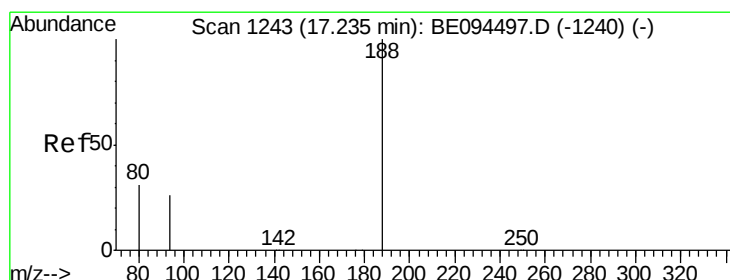
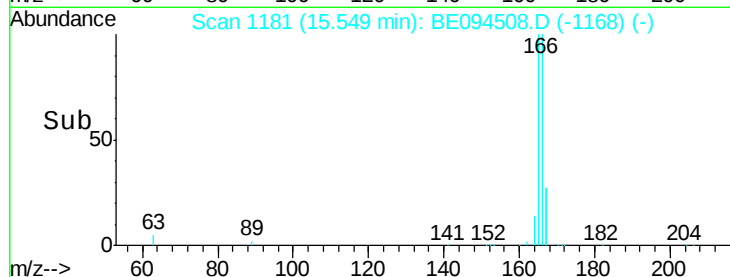
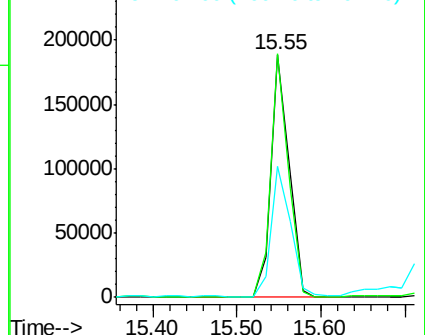
166 100

165 98.3 77.8 116.6

167 57.1 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: 0.40 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

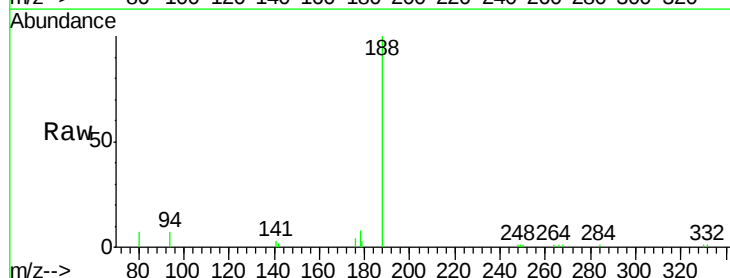
Tgt Ion:188 Resp: 12866

Ion Ratio Lower Upper

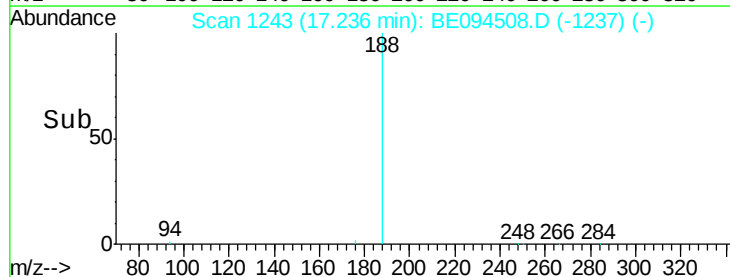
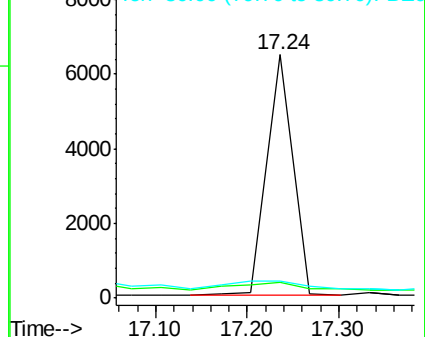
188 100

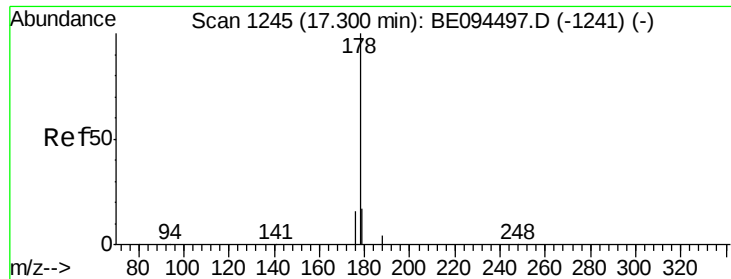
94 6.6 3.9 5.9#

80 6.8 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





#23

Phenanthrene

Concen: 25.03 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

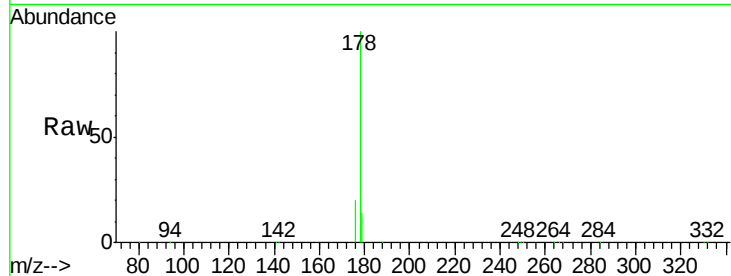
Tot Ion:178 Resp: 732292

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

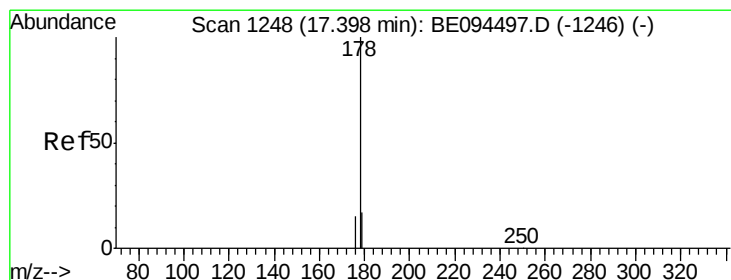
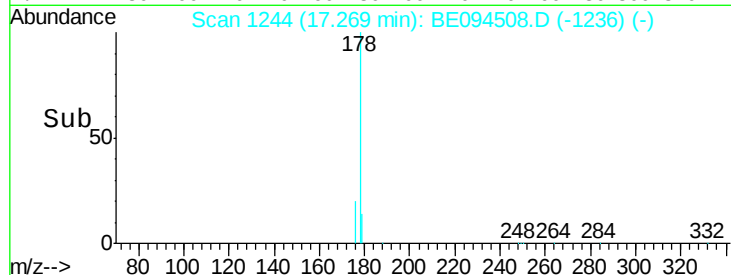
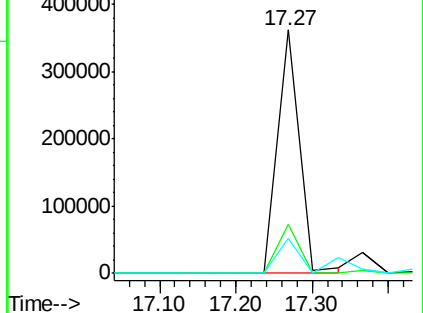
179 23.2 11.8 17.6#



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: 1.75 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

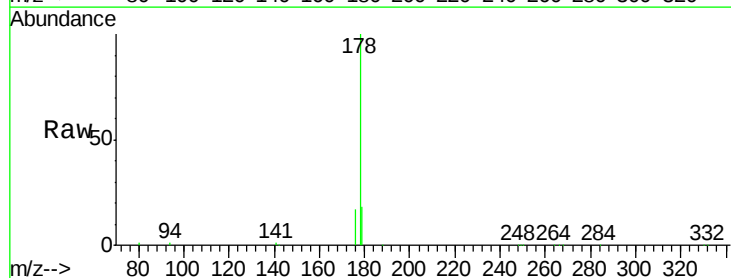
Tgt Ion:178 Resp: 66004

Ion Ratio Lower Upper

178 100

176 15.9 12.8 19.2

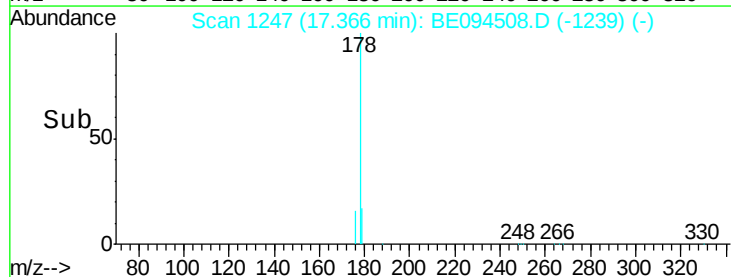
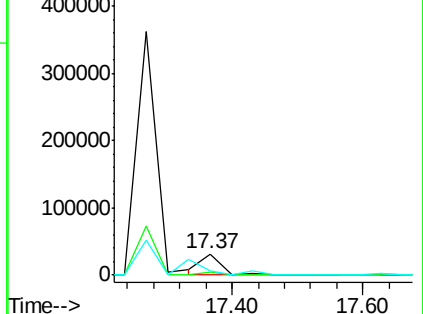
179 0.0 13.0 19.6#

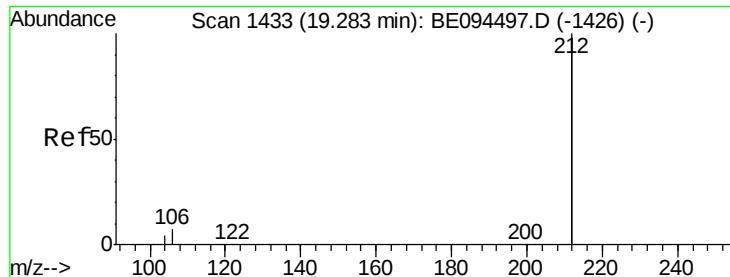


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.27 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

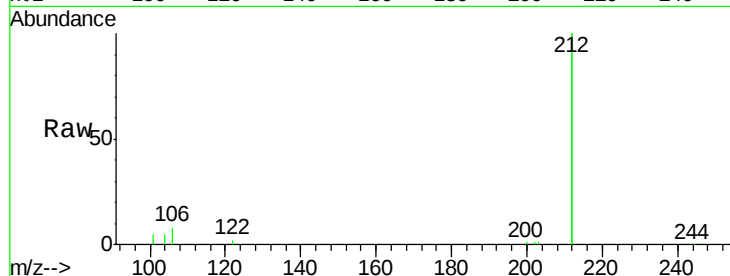
Tot Ion:212 Resp: 46852

Ion Ratio Lower Upper

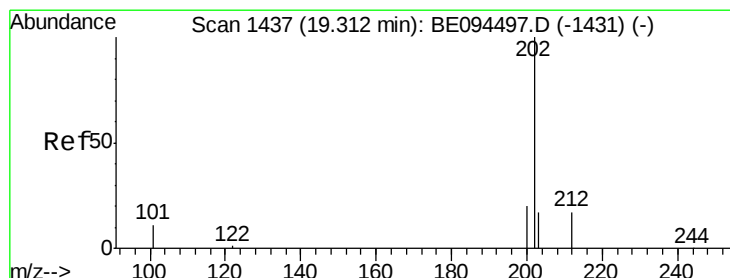
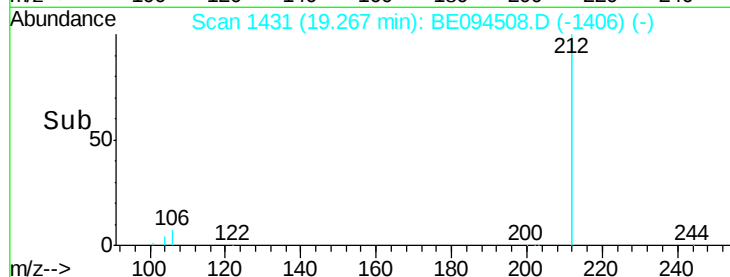
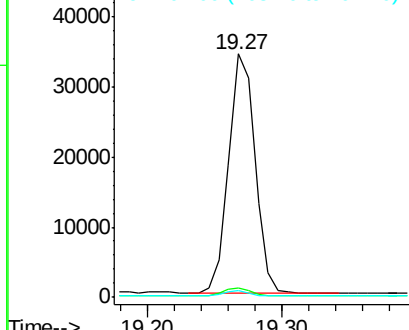
212 100

106 4.0 2.8 4.2

104 2.5 1.6 2.4#



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.46 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

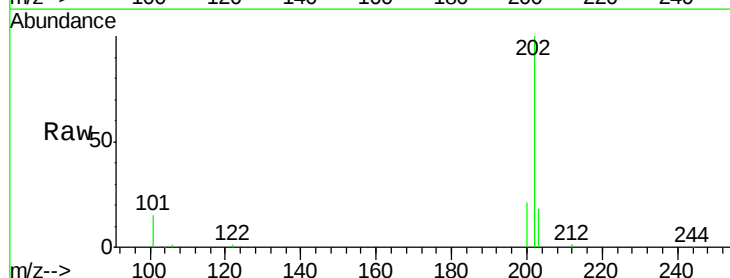
Tgt Ion:202 Resp: 56783

Ion Ratio Lower Upper

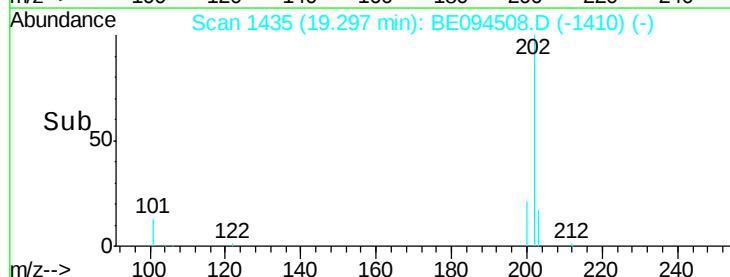
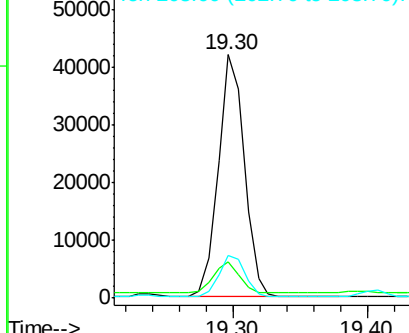
202 100

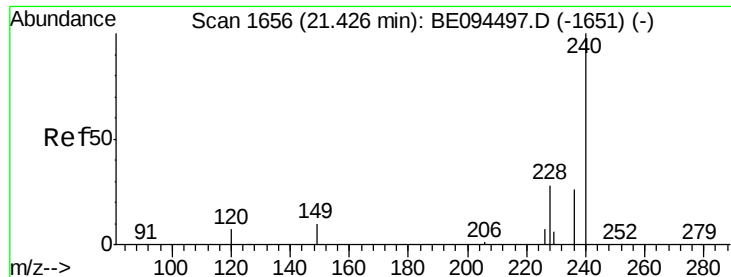
101 12.9 9.8 14.8

203 17.4 13.7 20.5



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





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

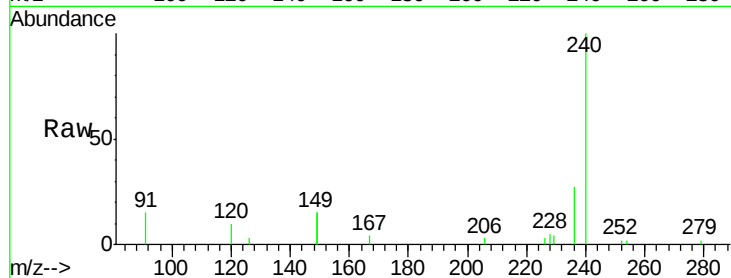
Tot Ion:240 Resp: 9902

Ion Ratio Lower Upper

240 100

120 9.8 5.5 8.3#

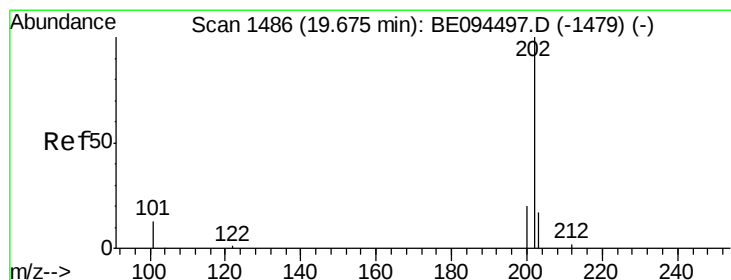
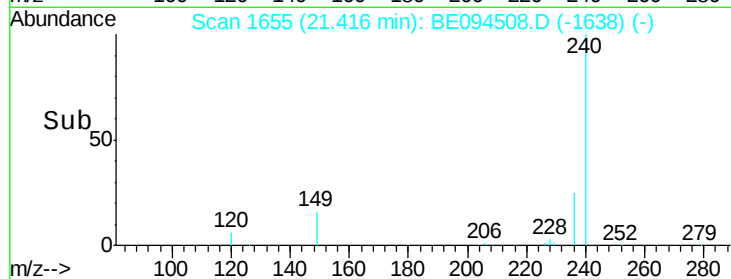
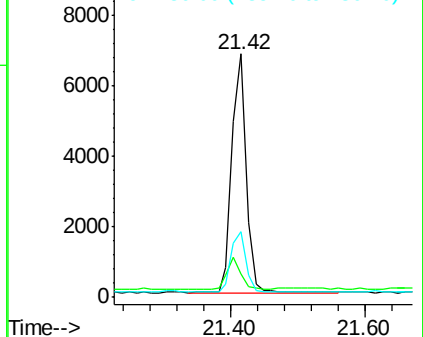
236 26.9 20.7 31.1



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: 0.95 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

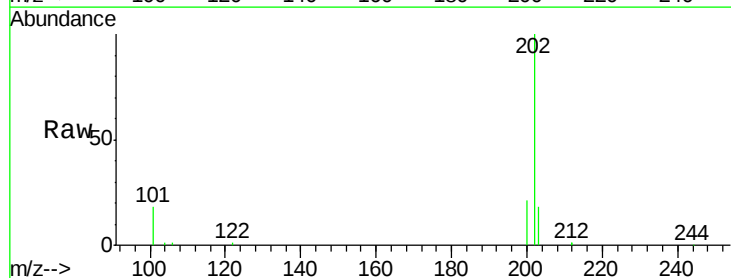
Tgt Ion:202 Resp: 33025

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

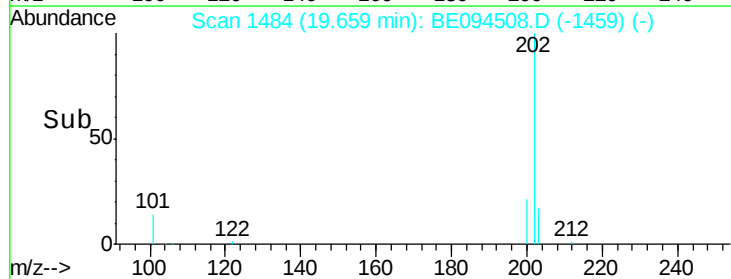
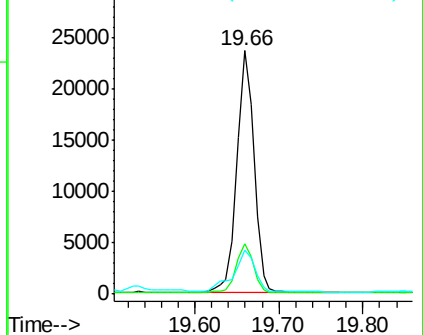
203 21.5 13.8 20.8#

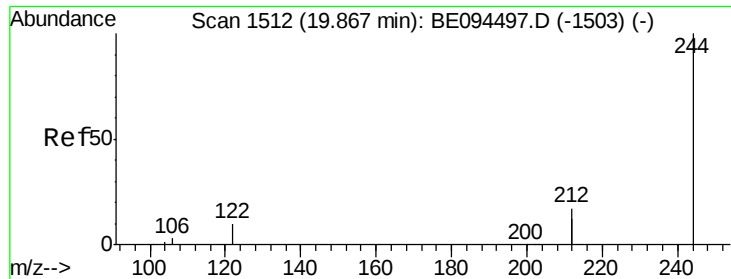


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.47 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.02 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

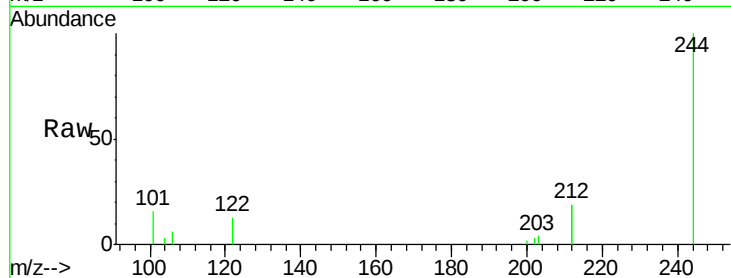
Tot Ion:244 Resp: 8724

Ion Ratio Lower Upper

244 100

212 38.5 25.4 38.0#

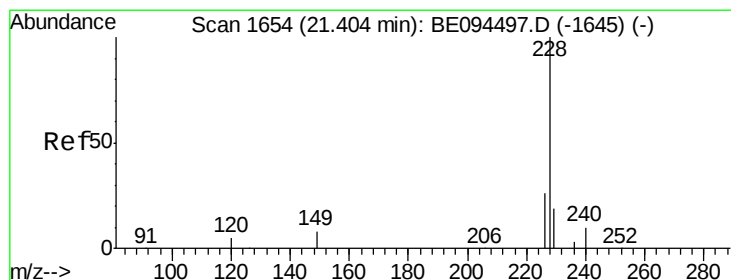
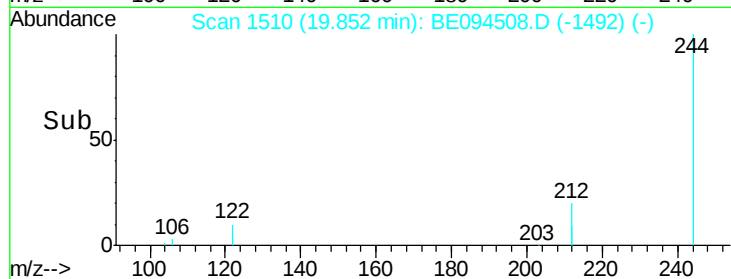
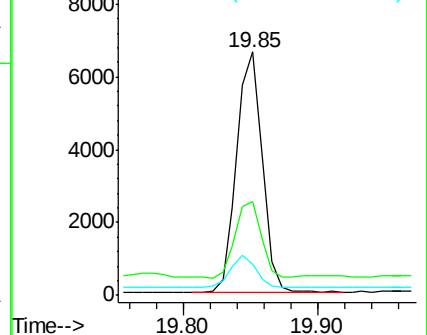
122 12.8 8.1 12.1#



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: 0.04 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.05 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

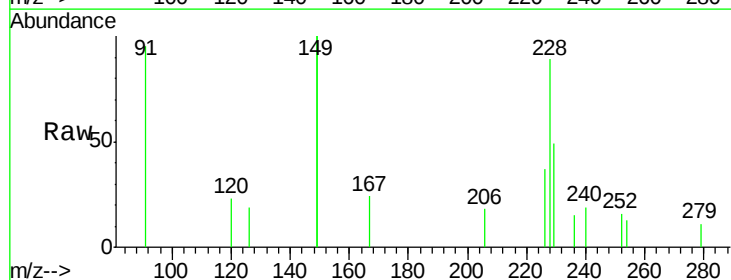
Tgt Ion:228 Resp: 1339

Ion Ratio Lower Upper

228 100

226 42.0 40.0 60.0

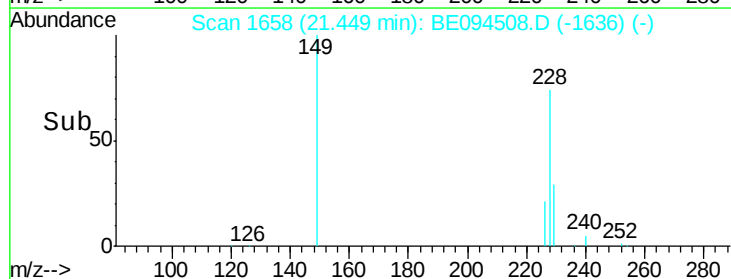
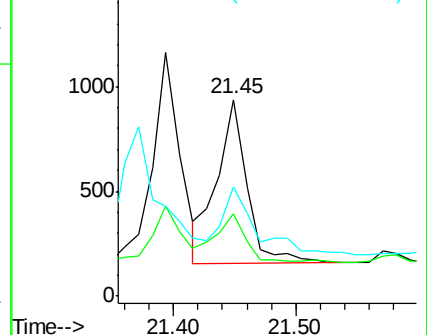
229 55.4 40.0 60.0

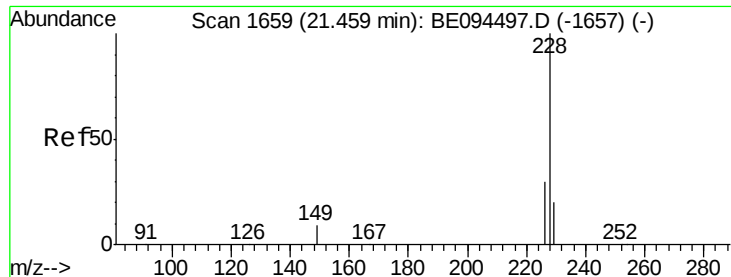


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.04 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

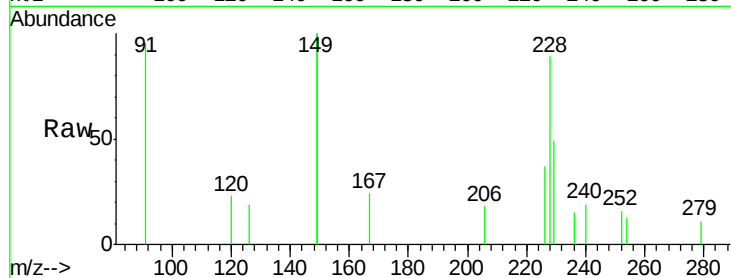
Tot Ion:228 Resp: 1332

Ion Ratio Lower Upper

228 100

226 42.0 40.0 60.0

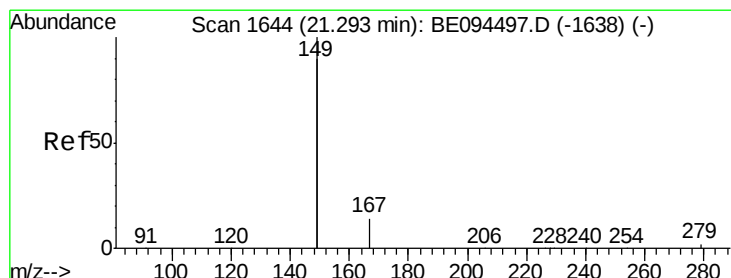
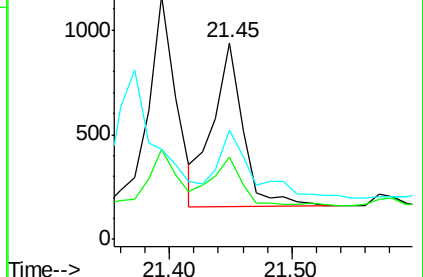
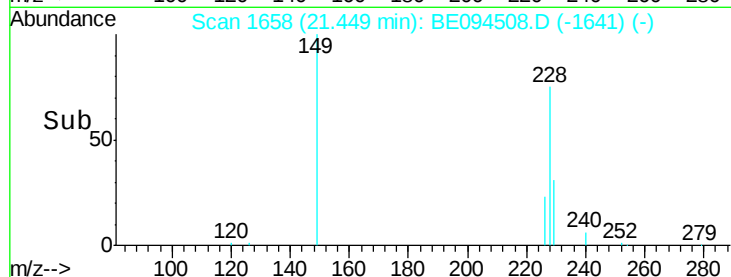
229 55.4 40.0 60.0



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: 0.13 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

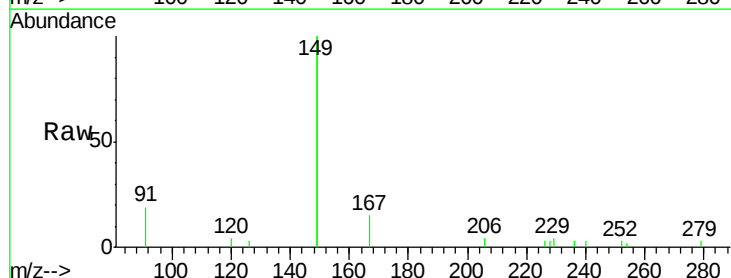
Tgt Ion:149 Resp: 10002

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

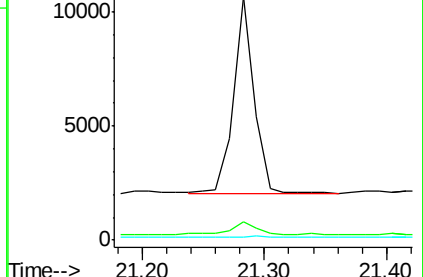
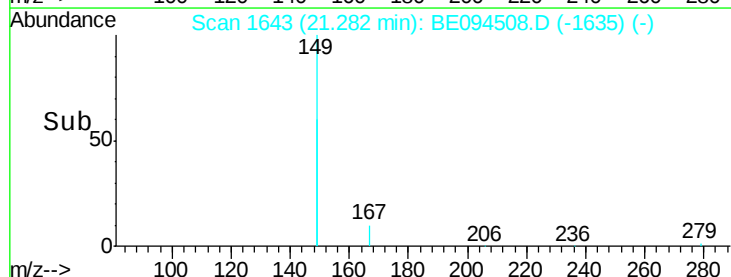
279 1.6 0.7 1.1#

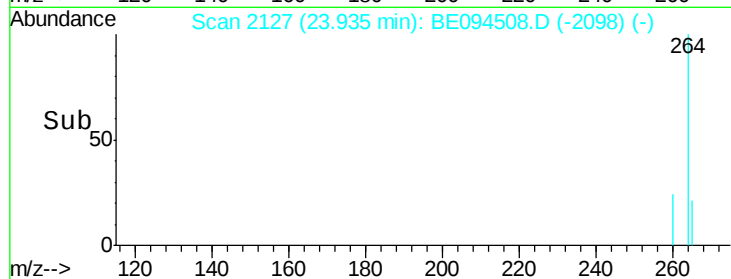
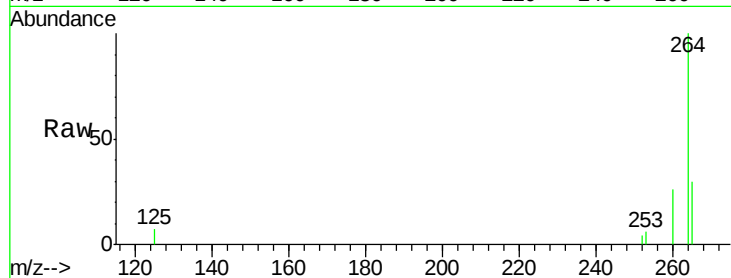
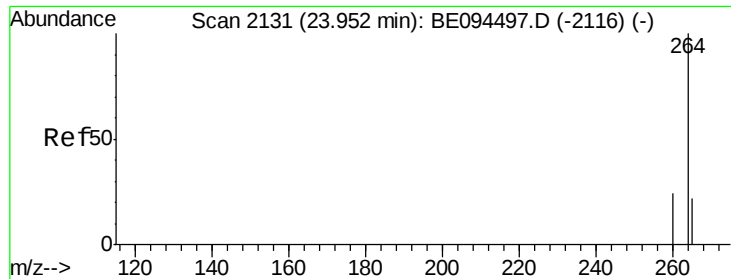


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.40 ng

RT: 23.93 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BE094508.D

Acq: 23 Oct 2017 22:50

Instrument :

BNA_E

ClientSampleId :

20170725-PA-A-COMP1

Tot Ion:264 Resp: 9601

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

265 29.9 22.8 34.2

