

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102417\
 Data File : BE094514.D
 Acq On : 24 Oct 2017 12:11
 Operator : SJ/JU
 Sample : I5950-12DL 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 24 15:48:57 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	7.91	152	1121	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	6493	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	3931	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	8380	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9189	0.40	ng	0.00
34) Perylene-d12	23.95	264	8787	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.54	112	11	0.00	ng	0.02
5) Phenol-d6	7.14	99	5	0.00	ng	0.00
8) Nitrobenzene-d5	9.10	82	43	0.01	ng	0.02
11) 2-Methylnaphthalene-d10	12.29	152	94	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	12	0.01	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	132	0.01	ng	0.01
25) Fluoranthene-d10	19.29	212	947	-1.00	ng	0.00
29) Terphenyl-d14	19.87	244	185	0.01	ng	0.00

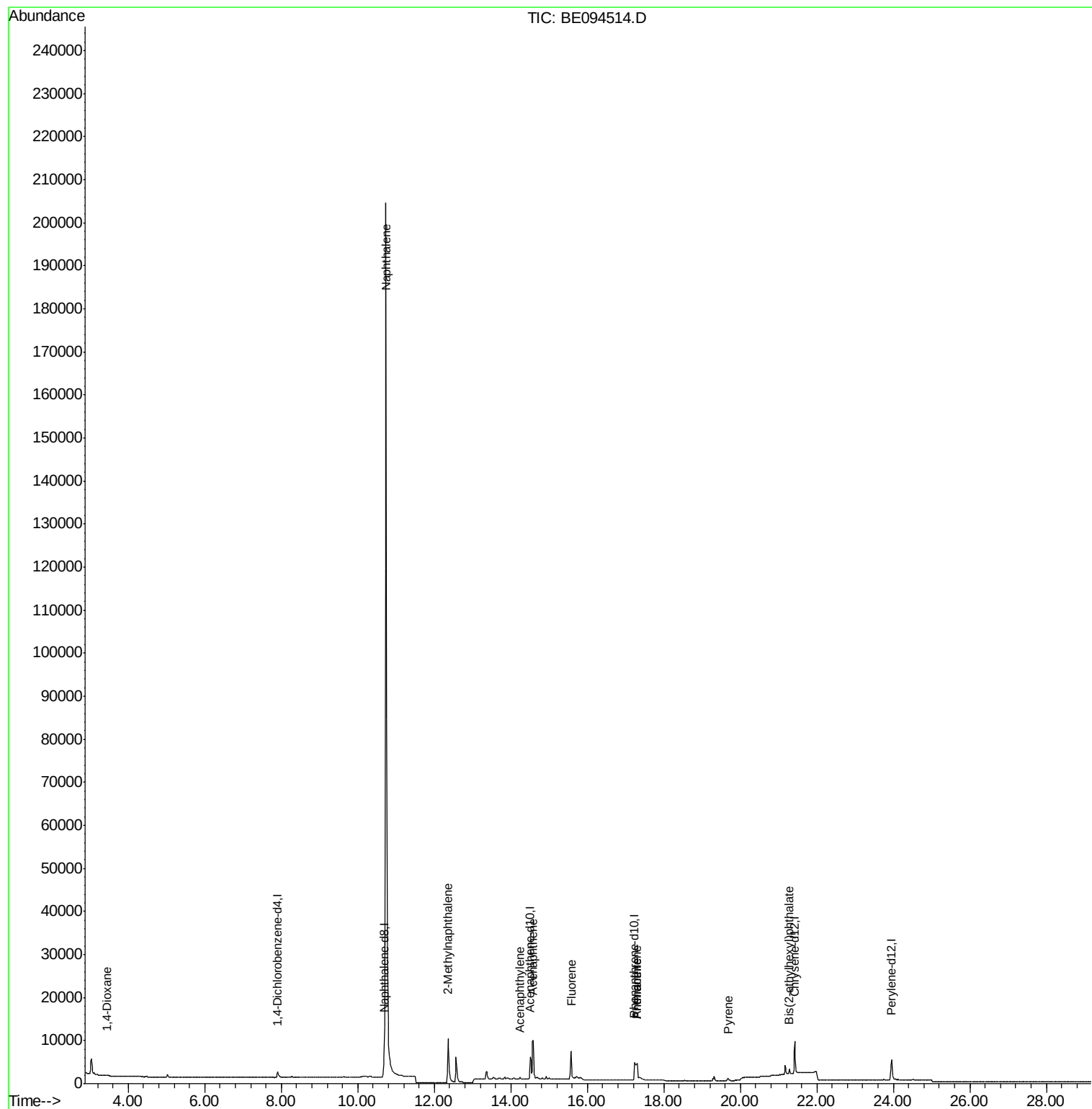
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	104	0.055	ng	# 16
9) Naphthalene	10.74	128	438765	5.971	ng	99
12) 2-Methylnaphthalene	12.36	142	11424	0.916	ng	98
16) Acenaphthylene	14.24	152	542	0.026	ng	# 92
17) Acenaphthene	14.58	154	7013	0.526	ng	99
18) Fluorene	15.58	166	5608	0.328	ng	97
23) Phenanthrene	17.30	178	10322	0.473	ng	# 90
24) Anthracene	17.30	178	10348	0.420	ng	# 87
26) Fluoranthene	19.32	202	1137	Below Cal		98
28) Pyrene	19.67	202	700	0.022	ng	96
32) Bis(2-ethylhexyl)phthalate	21.28	149	1558	0.021	ng	# 100

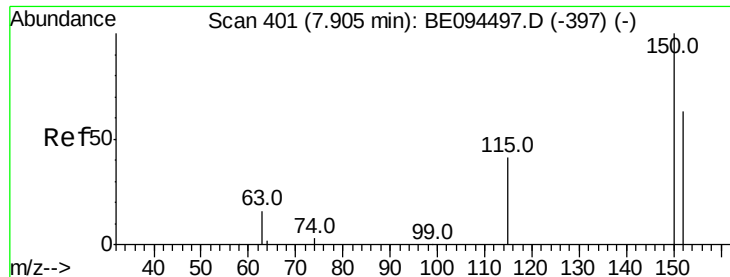
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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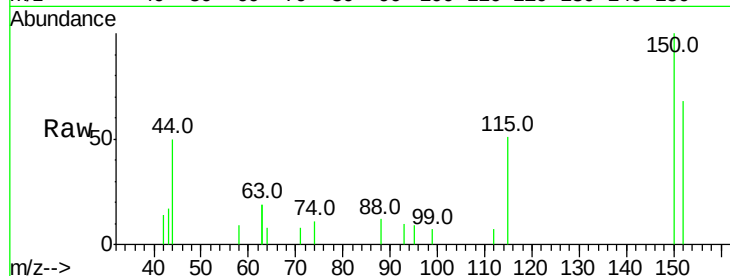


#1

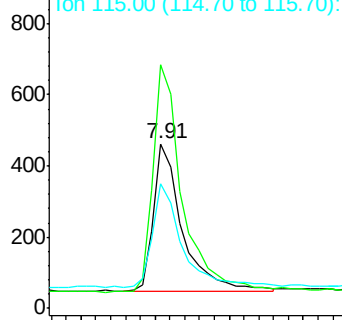
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.91 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: BE094514.D
 Acq: 24 Oct 2017 12:11

Instrument :
 BNA_E
 ClientSampled :

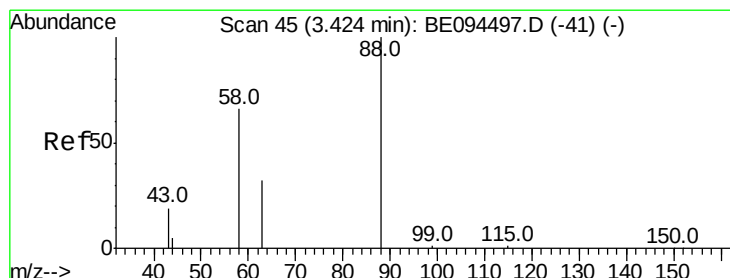
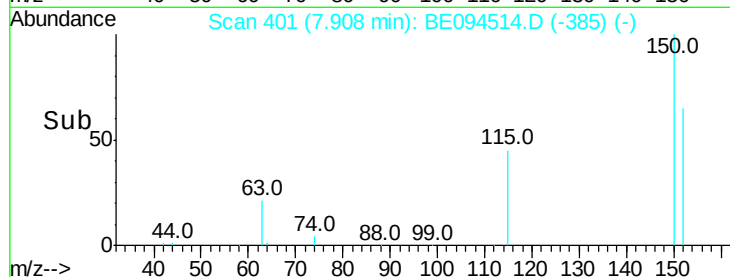
Tot Ion:152 Resp: 1121
 Ion Ratio Lower Upper
 152 100
 150 148.1 117.2 175.8
 115 76.0 57.0 85.6



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



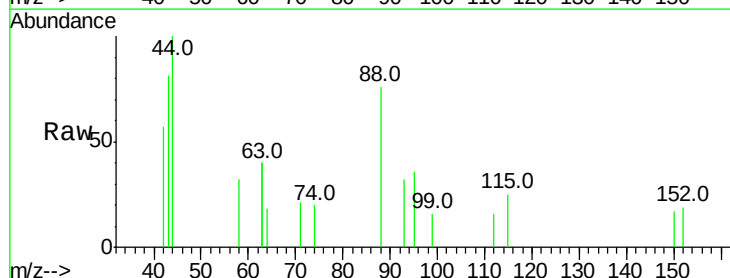
Time-->



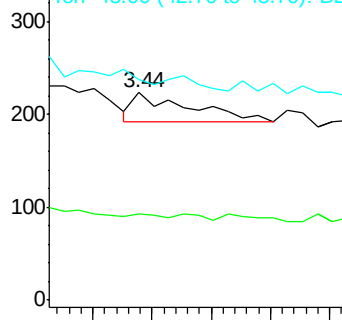
#2

1,4-Dioxane
 Concen: 0.055 ng
 RT: 3.44 min Scan# 46
 Delta R.T. 0.02 min
 Lab File: BE094514.D
 Acq: 24 Oct 2017 12:11

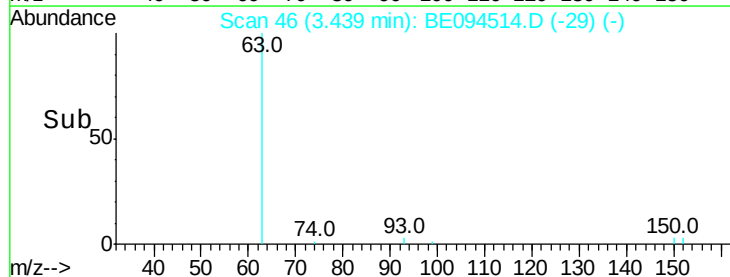
Tgt Ion: 88 Resp: 104
 Ion Ratio Lower Upper
 88 100
 58 0.0 63.2 94.8#
 43 0.0 41.2 61.8#

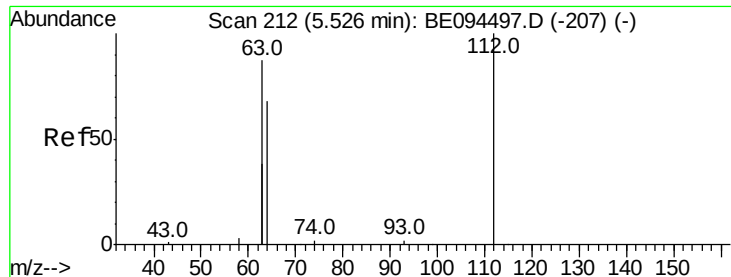


Abundance Ion 88.00 (87.70 to 88.70): BE0
 Ion 58.00 (57.70 to 58.70): BE0
 Ion 43.00 (42.70 to 43.70): BE0



Time-->





#4

2-Fluorophenol

Concen: 0.003 ng

RT: 5.54 min Scan# 213

Delta R.T. 0.02 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampleId :

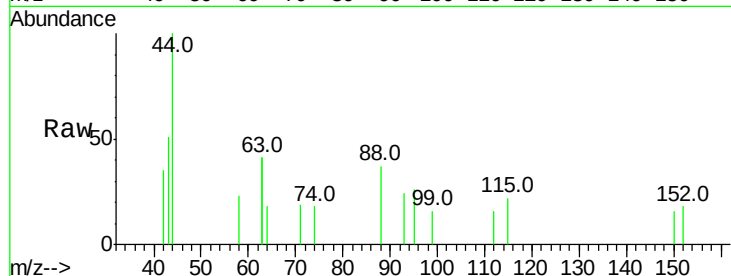
Tot Ion:112 Resp: 11

Ion Ratio Lower Upper

112 100

64 181.8 60.1 90.1#

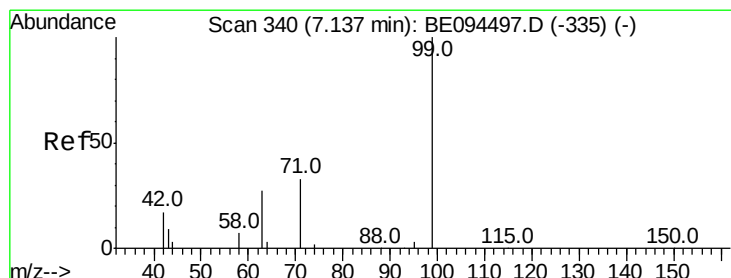
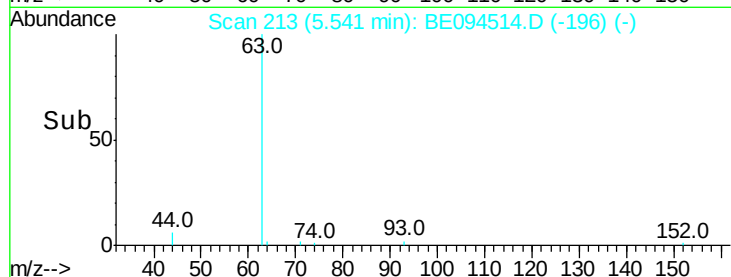
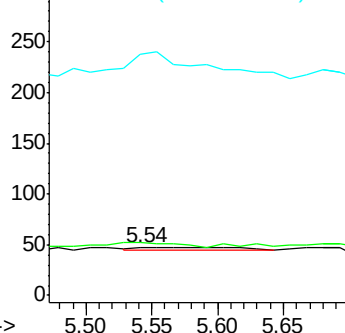
63 0.0 116.8 175.2#



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



#5

Phenol-d6

Concen: 0.001 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

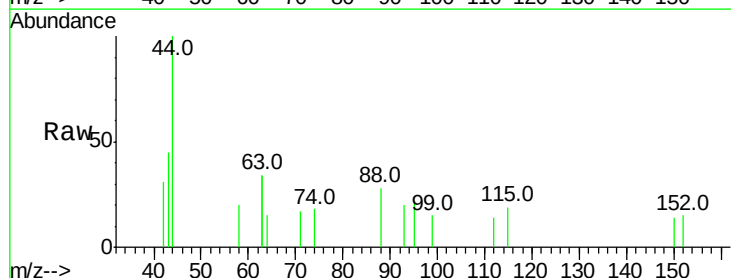
Tgt Ion: 99 Resp: 5

Ion Ratio Lower Upper

99 100

42 780.0 20.2 30.2#

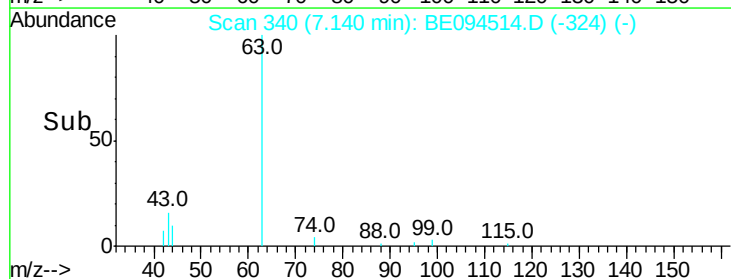
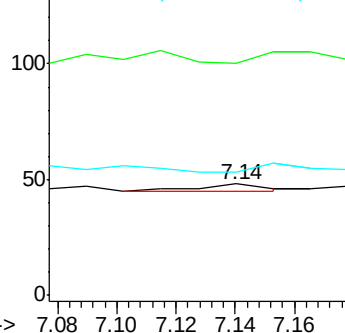
71 140.0 28.4 42.6#

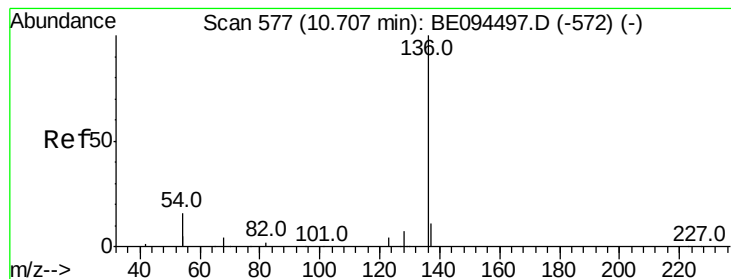


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6493

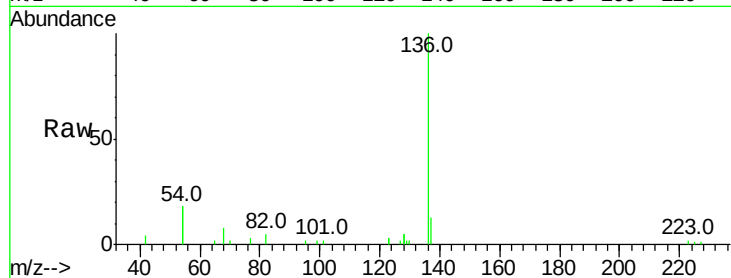
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 35.1 29.1 43.7

68 7.5 6.2 9.2

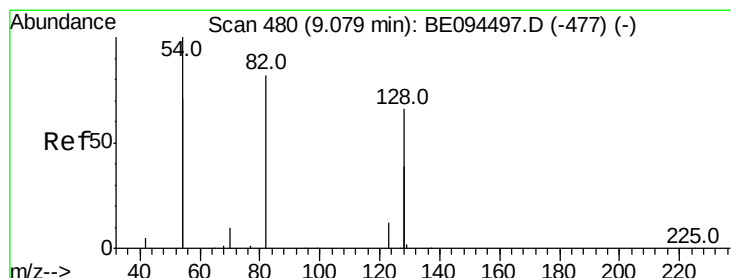
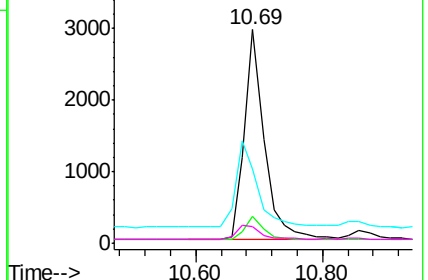
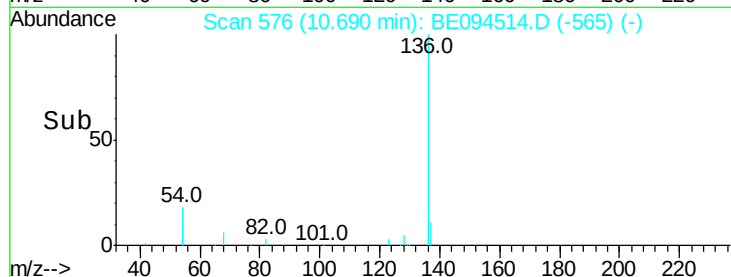


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.008 ng

RT: 9.10 min Scan# 481

Delta R.T. 0.02 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

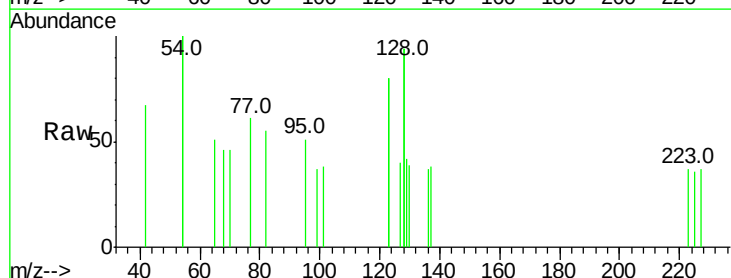
Tgt Ion: 82 Resp: 43

Ion Ratio Lower Upper

82 100

128 341.2 150.0 225.0#

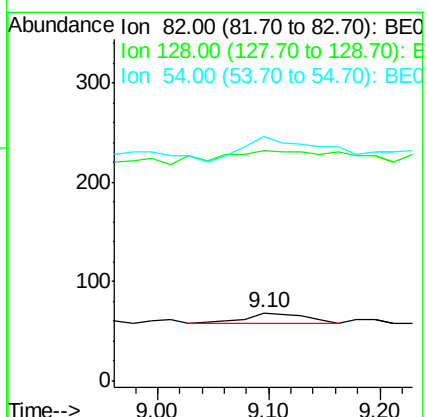
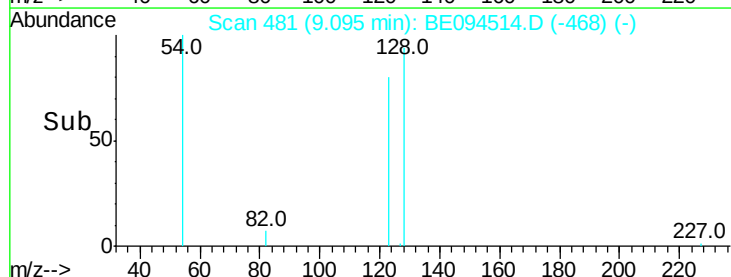
54 361.8 154.2 231.4#

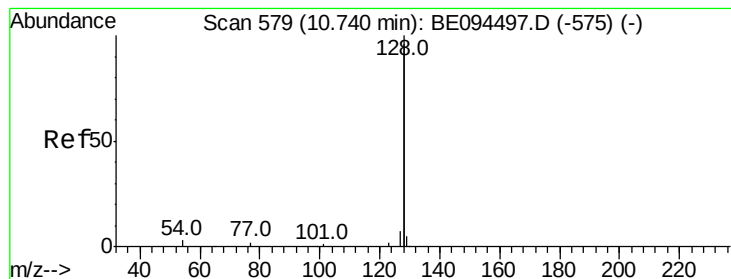


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 5.971 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampled :

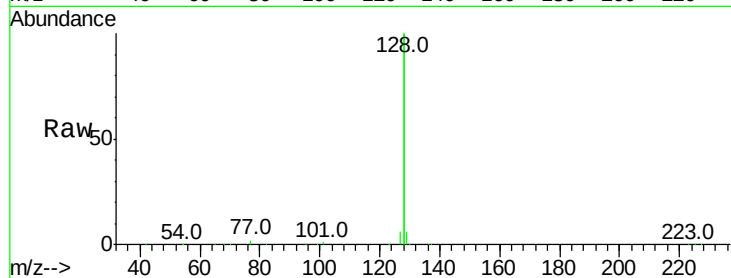
Tot Ion:128 Resp: 438765

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

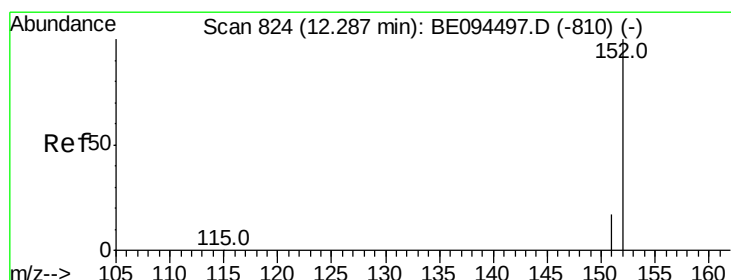
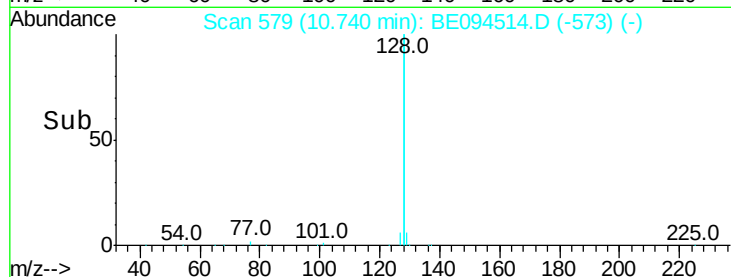
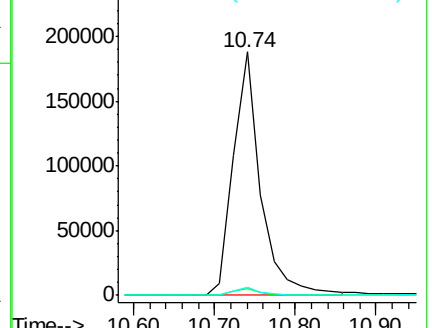
127 3.2 2.8 4.2



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: 0.009 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE094514.D

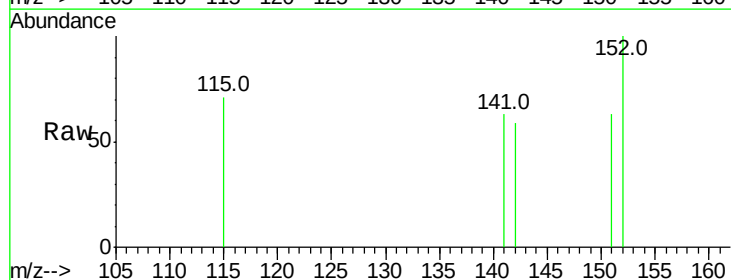
Acq: 24 Oct 2017 12:11

Tgt Ion:152 Resp: 94

Ion Ratio Lower Upper

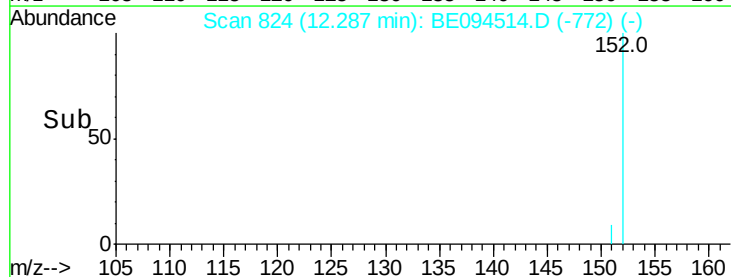
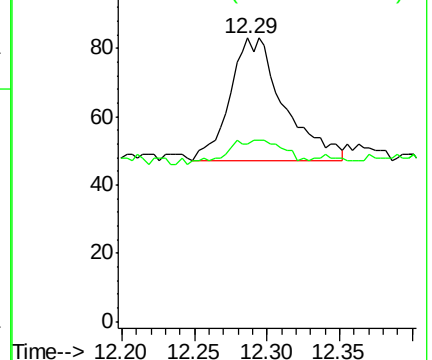
152 100

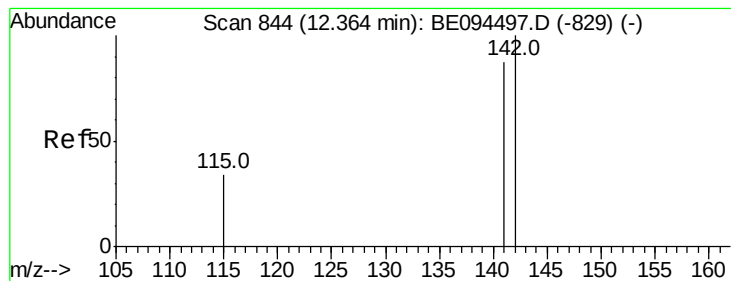
151 21.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.916 ng

RT: 12.36 min Scan# 844

Delta R.T. -0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampled :

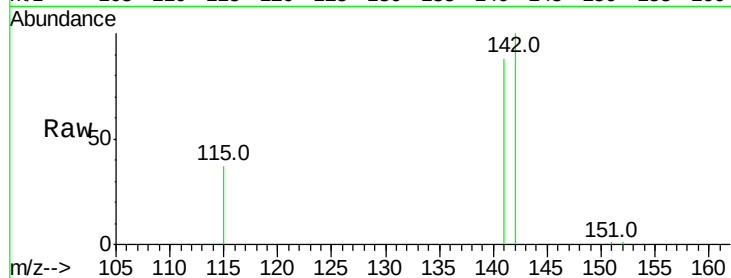
Tot Ion:142 Resp: 11424

Ion Ratio Lower Upper

142 100

141 88.4 70.4 105.6

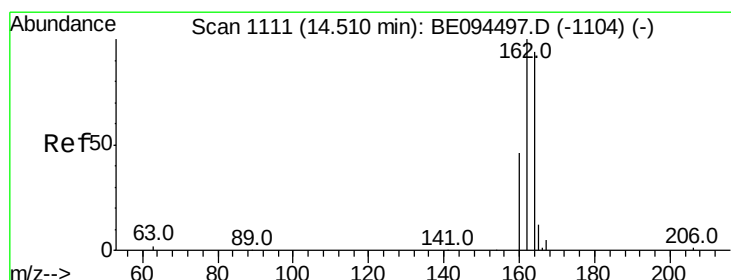
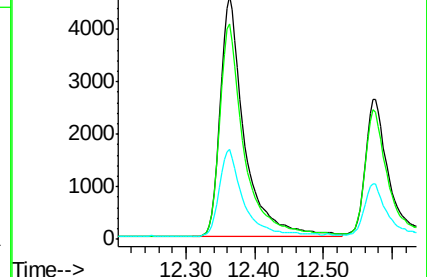
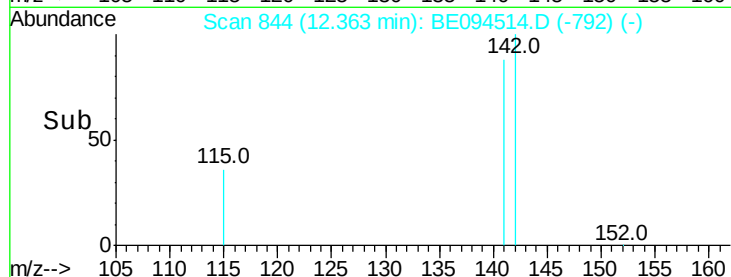
115 37.2 31.7 47.5



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. -0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

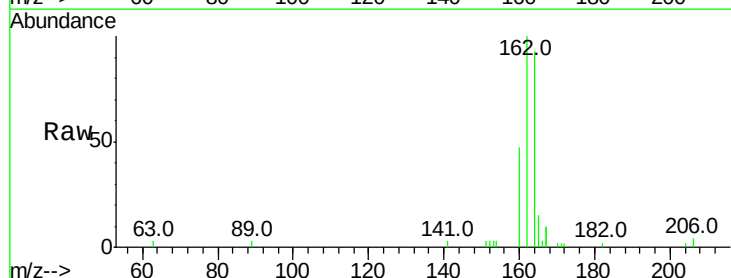
Tgt Ion:164 Resp: 3931

Ion Ratio Lower Upper

164 100

162 107.0 83.1 124.7

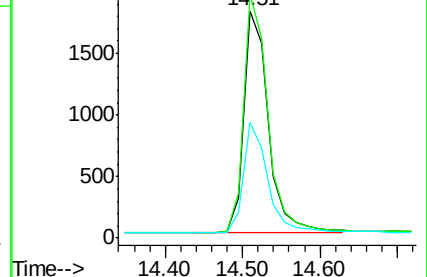
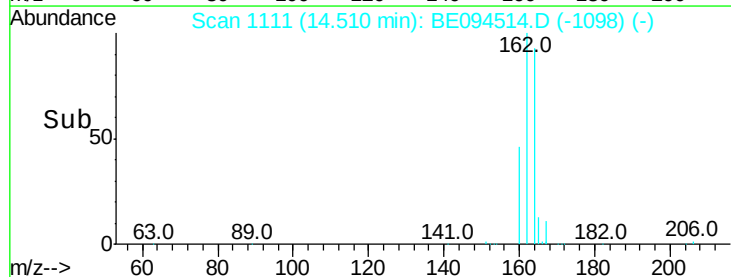
160 50.6 37.1 55.7

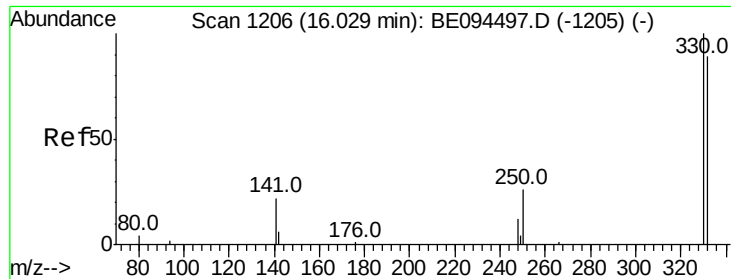


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

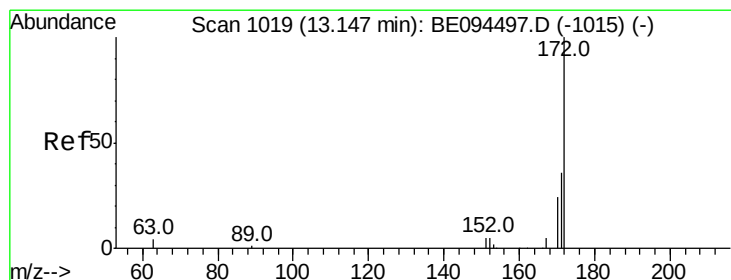
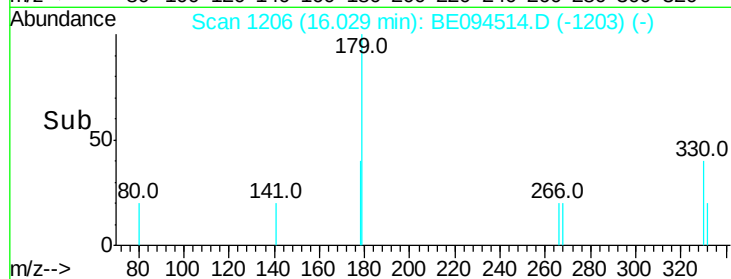
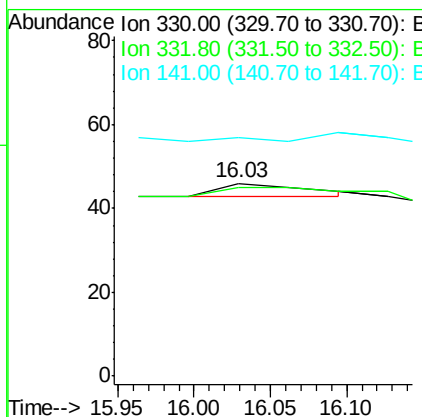
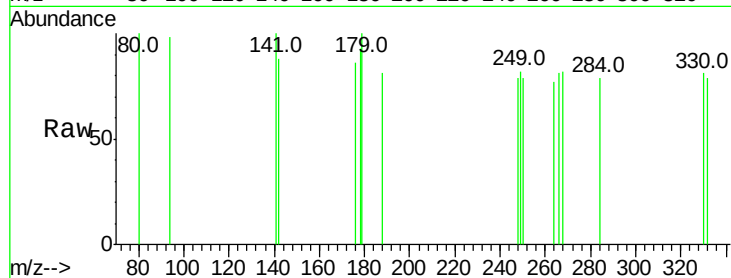




#14
 2,4,6-Tribromophenol
 Concen: 0.011 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE094514.D
 Acq: 24 Oct 2017 12:11

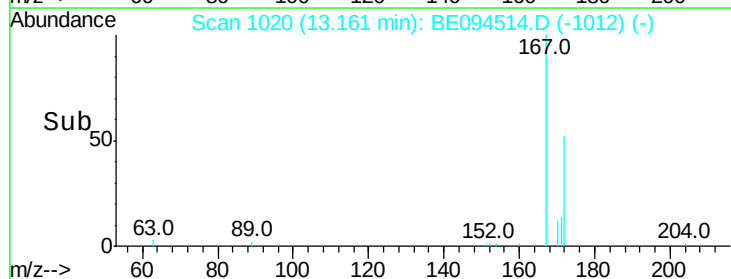
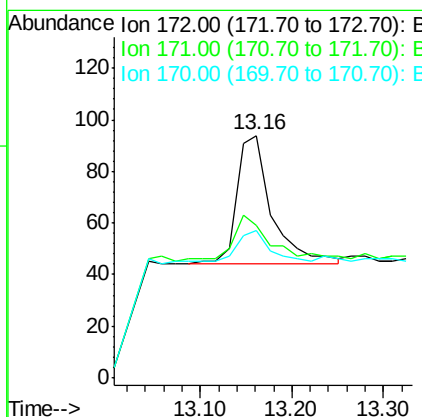
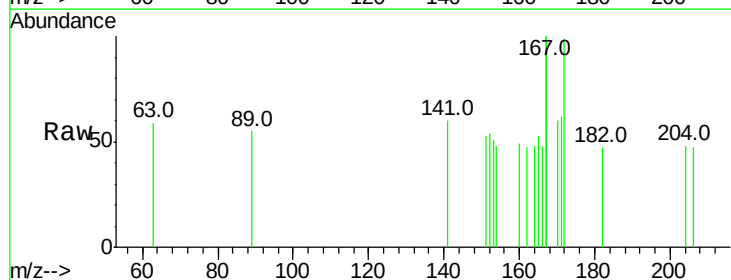
Instrument :
 BNA_E
 ClientSampleId :

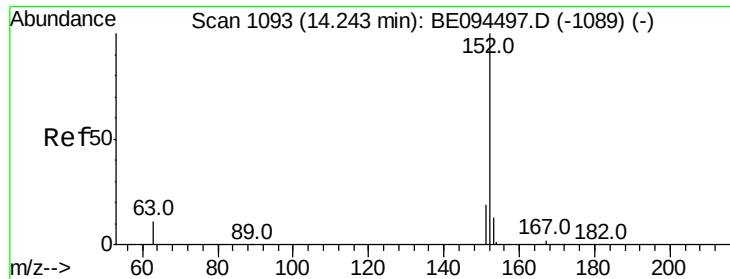
Tot Ion:330 Resp: 12
 Ion Ratio Lower Upper
 330 100
 332 83.3 152.7 229.1#
 141 0.0 33.7 50.5#



#15
 2-Fluorobiphenyl
 Concen: 0.010 ng
 RT: 13.16 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: BE094514.D
 Acq: 24 Oct 2017 12:11

Tgt Ion:172 Resp: 132
 Ion Ratio Lower Upper
 172 100
 171 62.8 29.9 44.9#
 170 60.6 21.8 32.8#





#16

Acenaphthylene

Concen: 0.026 ng

RT: 14.24 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampleId :

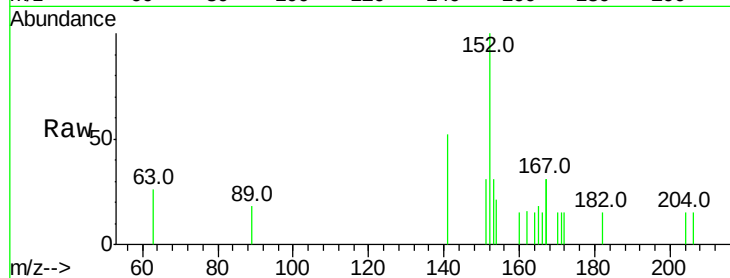
Tot Ion:152 Resp: 542

Ion Ratio Lower Upper

152 100

151 18.6 15.7 23.5

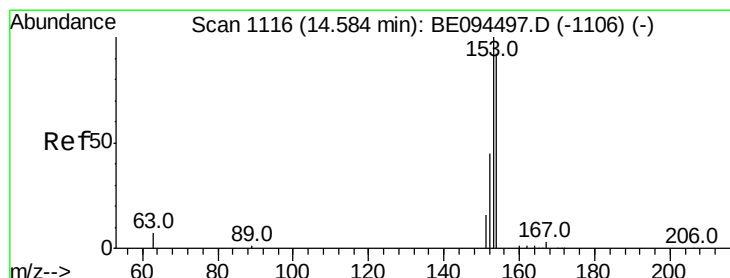
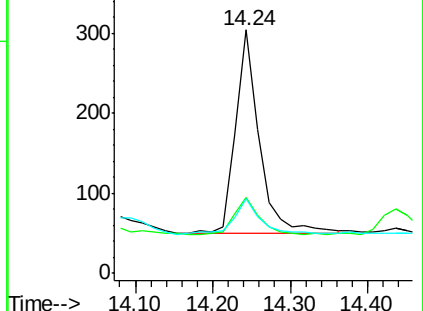
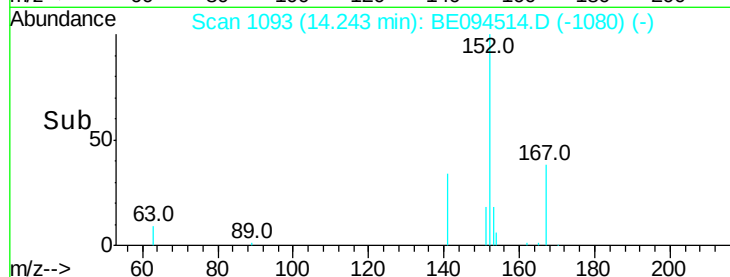
153 19.7 10.5 15.7#



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: 0.526 ng

RT: 14.58 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

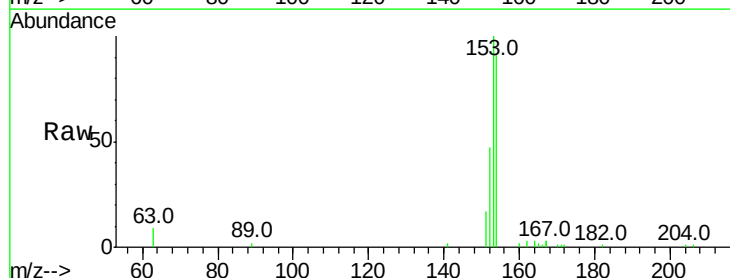
Tgt Ion:154 Resp: 7013

Ion Ratio Lower Upper

154 100

153 111.9 89.2 133.8

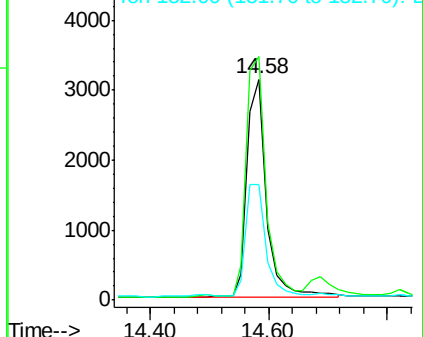
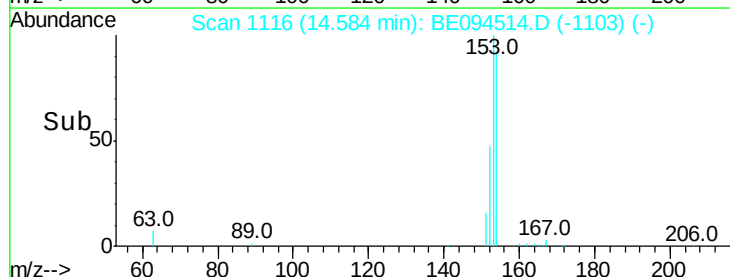
152 54.3 42.0 63.0

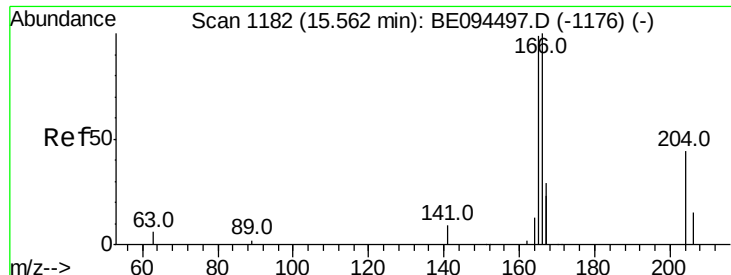


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.328 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.01 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampleId :

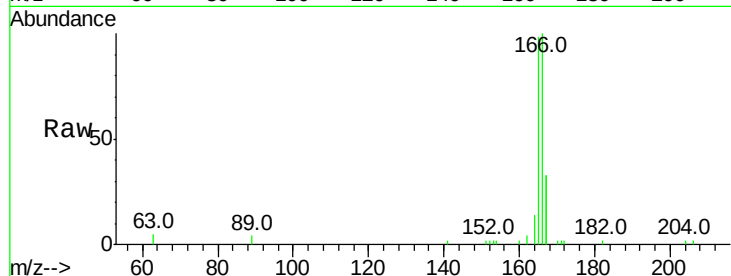
Tot Ion:166 Resp: 5608

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.6

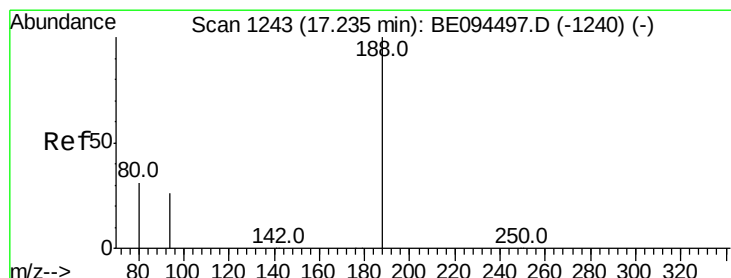
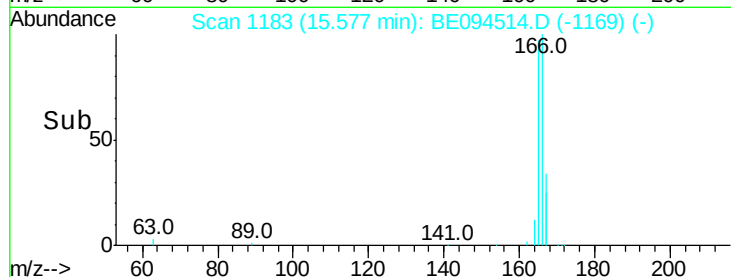
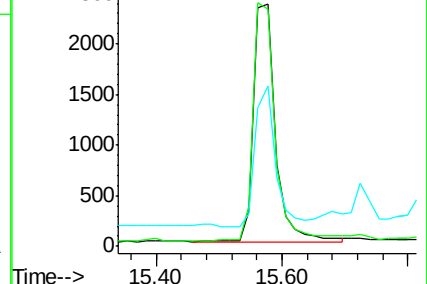
167 54.9 42.4 63.6



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: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

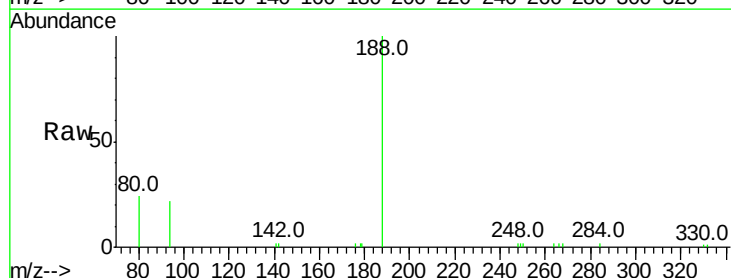
Tgt Ion:188 Resp: 8380

Ion Ratio Lower Upper

188 100

94 21.6 3.9 5.9#

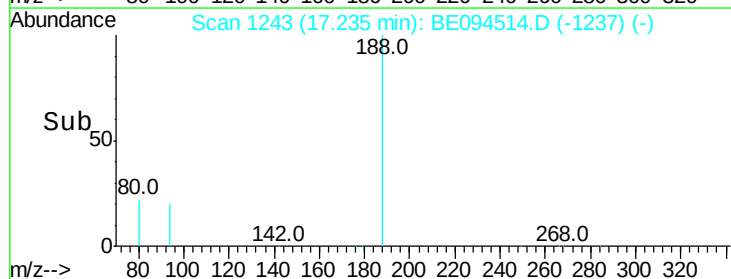
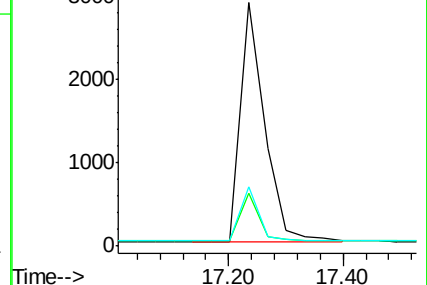
80 24.1 3.6 5.4#

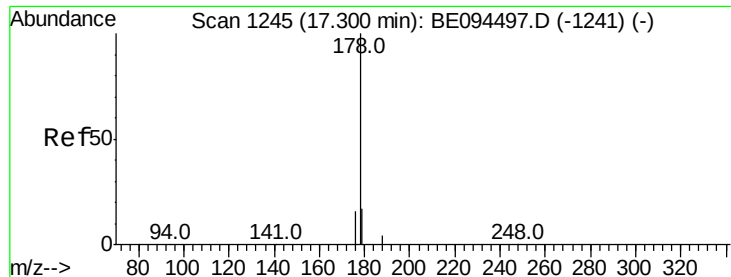


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.473 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampleId :

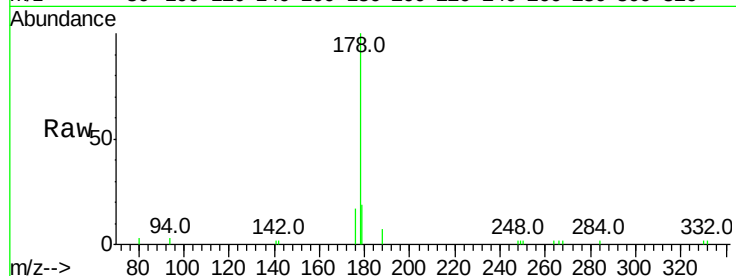
Tot Ion:178 Resp: 10322

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

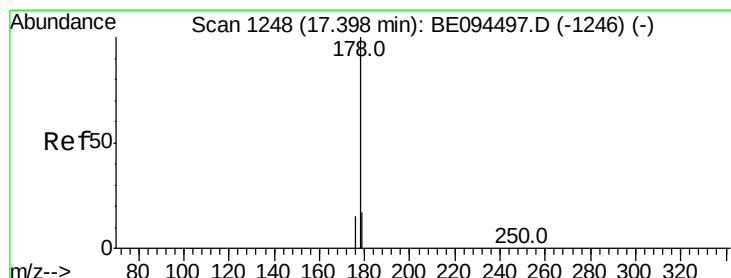
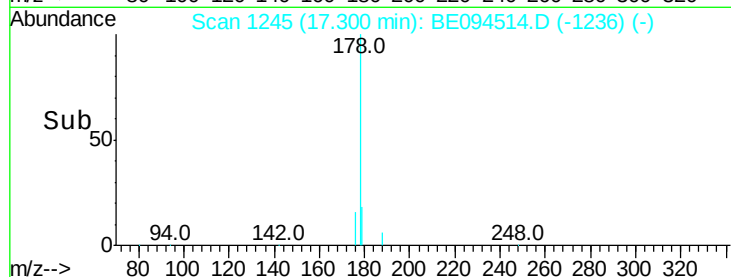
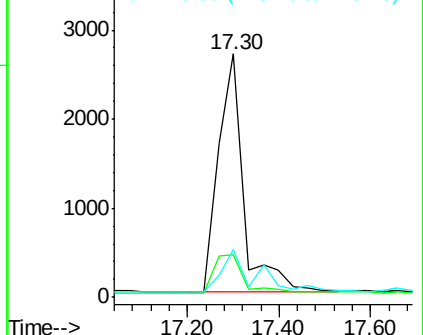
179 23.6 11.8 17.6#



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: 0.420 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

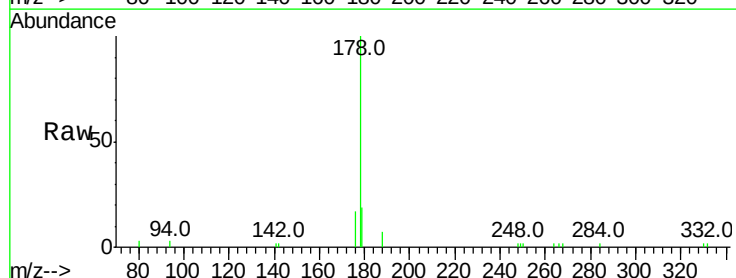
Tgt Ion:178 Resp: 10348

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

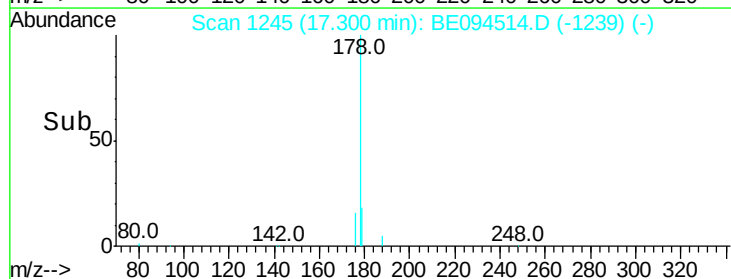
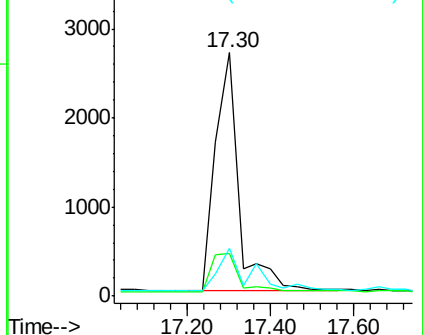
179 24.0 13.0 19.6#

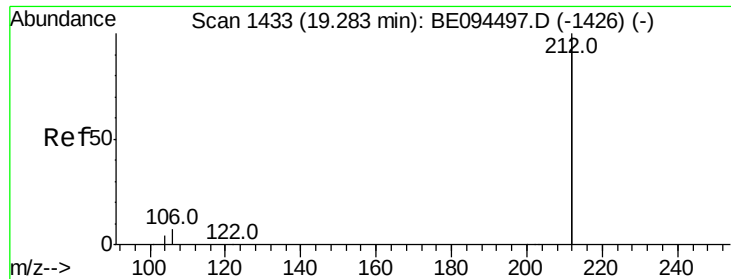


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: -1.000 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE094514.D

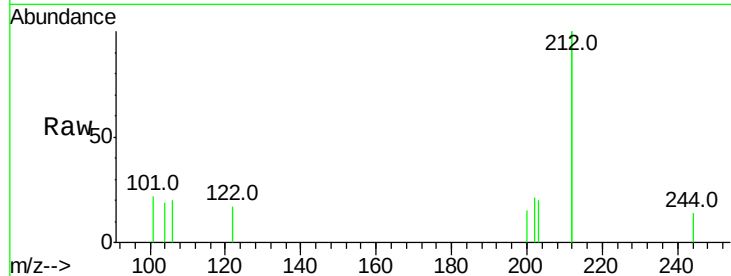
Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampleId :

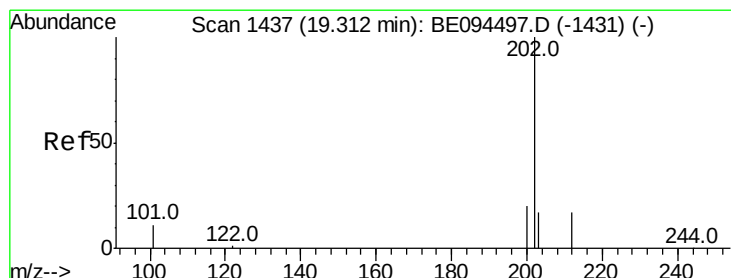
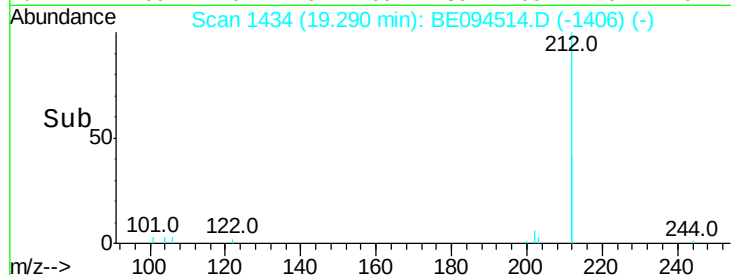
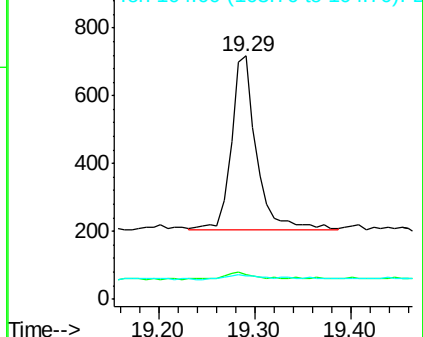
Tot Ion:212	Resp:	947
Ion Ratio	Lower	Upper
212	100	
106	3.8	2.8 4.2
104	3.1	1.6 2.4#



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: Below Cal

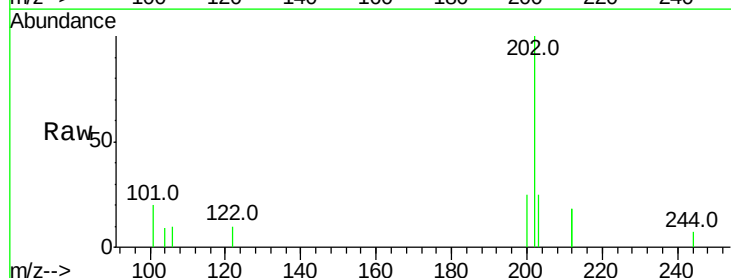
RT: 19.32 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

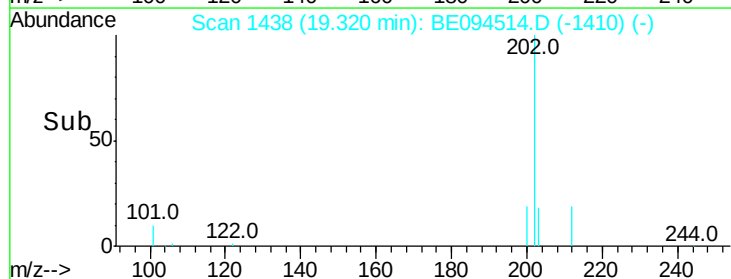
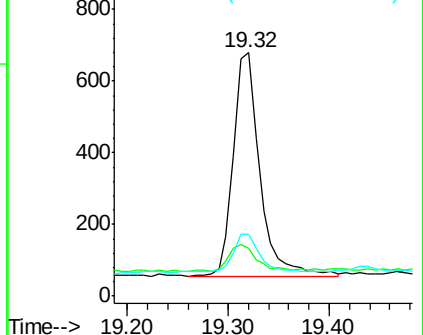
Tgt Ion:202	Resp:	1137
Ion Ratio	Lower	Upper
202	100	
101	12.0	9.8 14.8
203	18.2	13.7 20.5

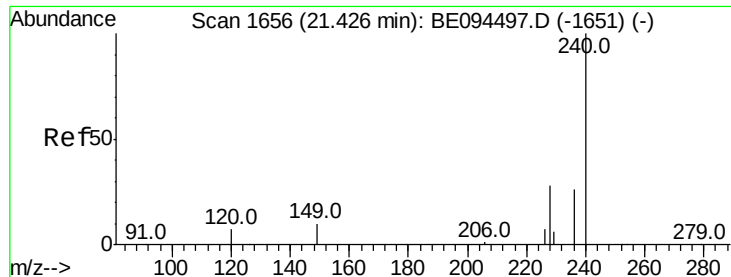


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. 0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampleId :

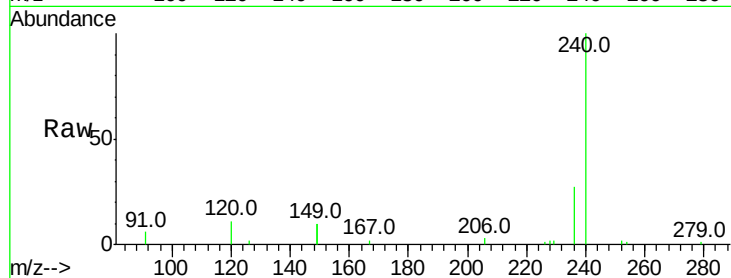
Tot Ion:240 Resp: 9189

Ion Ratio Lower Upper

240 100

120 10.8 5.5 8.3#

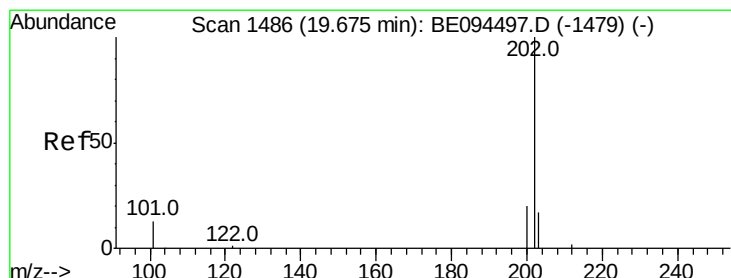
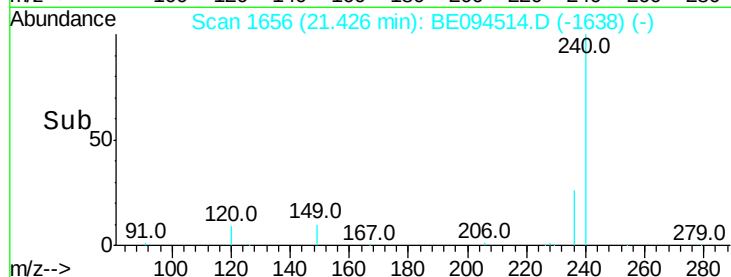
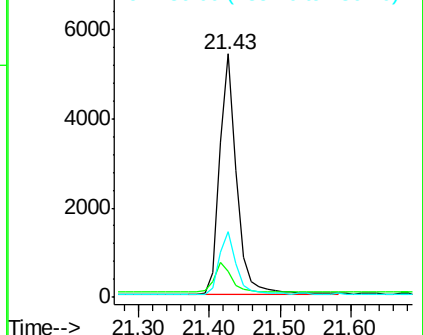
236 27.2 20.7 31.1



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: 0.022 ng

RT: 19.67 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

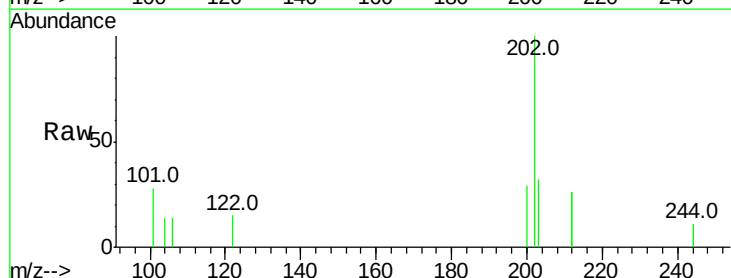
Tgt Ion:202 Resp: 700

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

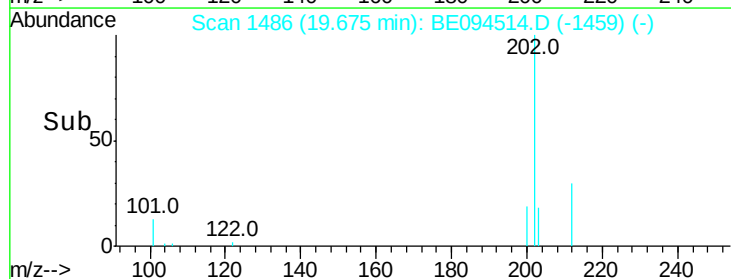
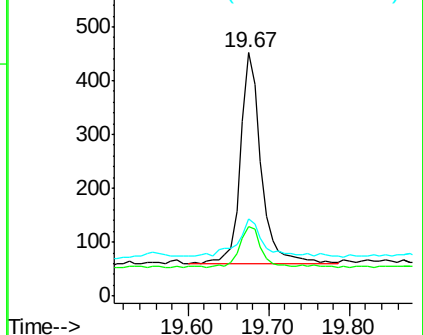
203 20.7 13.8 20.8

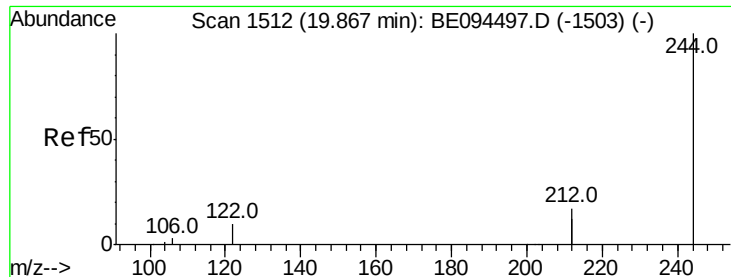


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.011 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.00 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

Instrument :

BNA_E

ClientSampleId :

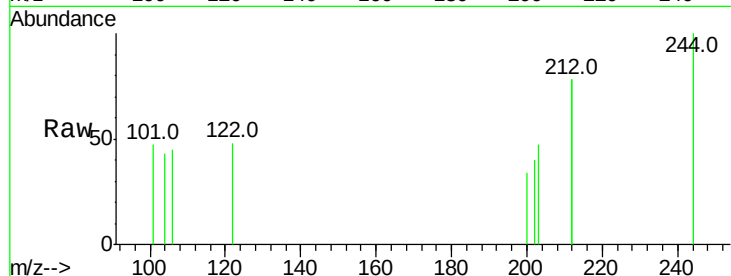
Tot Ion:244 Resp: 185

Ion Ratio Lower Upper

244 100

212 155.2 25.4 38.0#

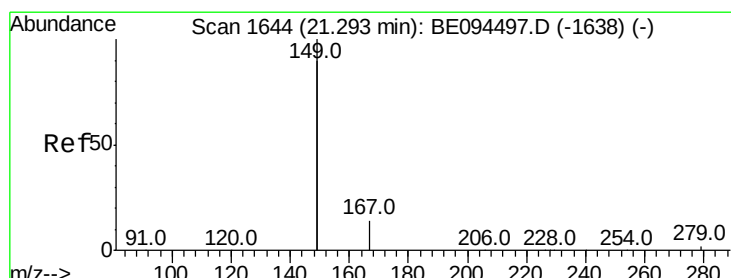
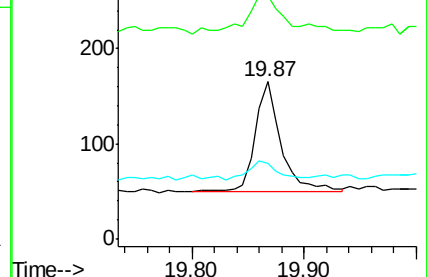
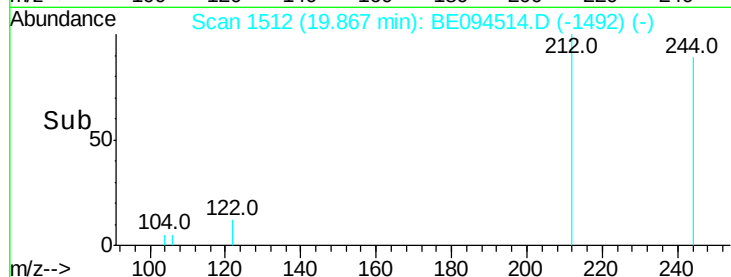
122 47.9 8.1 12.1#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.021 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094514.D

Acq: 24 Oct 2017 12:11

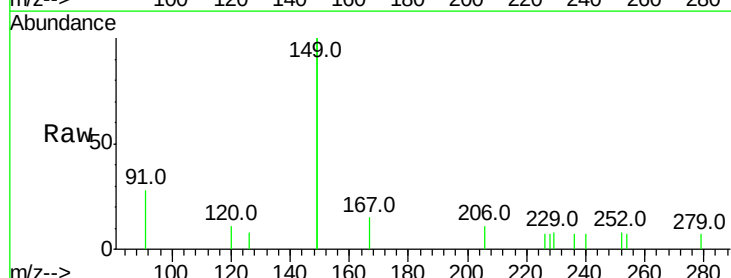
Tgt Ion:149 Resp: 1558

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

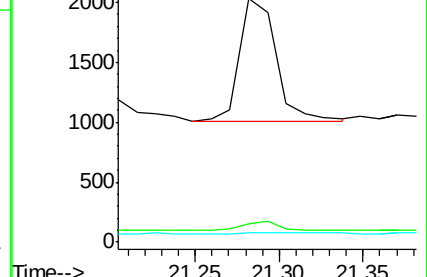
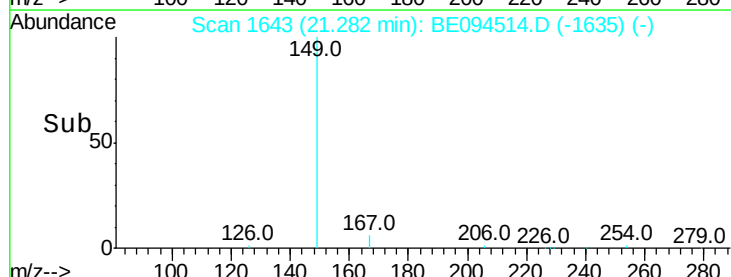
279 1.6 0.7 1.1#

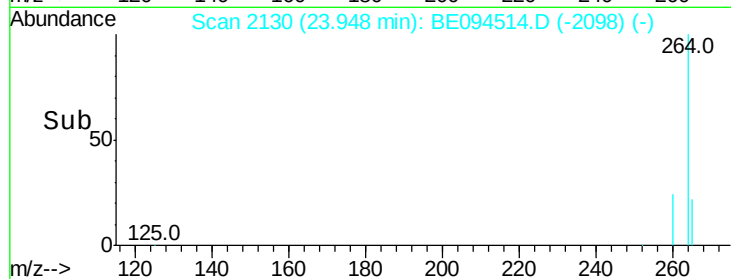
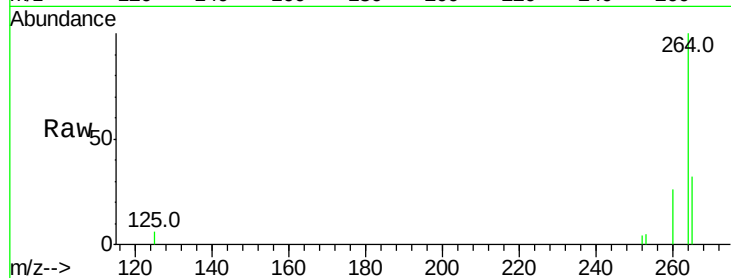
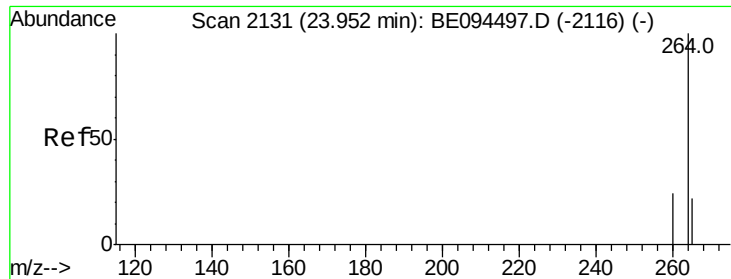


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BE094514.D
Acq: 24 Oct 2017 12:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 8787
Ion Ratio Lower Upper
264 100
260 25.9 20.5 30.7
265 31.5 22.8 34.2

