

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\
 Data File : BE094193.D
 Acq On : 6 Oct 2017 23:43
 Operator : SJ/JU
 Sample : I5571-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PAMT-COMP-D

Quant Time: Oct 07 01:16:14 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 06 15:16:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1508	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7394	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4355	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11254	0.40	ng	0.00
27) Chrysene-d12	21.40	240	10545	0.40	ng	0.00
34) Perylene-d12	23.90	264	9943	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	283054	56.33	ng	0.00
5) Phenol-d6	7.07	99	296242	40.66	ng	-0.01
8) Nitrobenzene-d5	9.04	82	578751	94.01	ng	-0.02
11) 2-Methylnaphthalene-d10	12.29	152	6	0.00	ng	0.01
14) 2,4,6-Tribromophenol	16.00	330	232539	122.83	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	1149382	77.04	ng	0.00
25) Fluoranthene-d10	19.26	212	62	0.00	ng	0.00
29) Terphenyl-d14	19.85	244	1557730	78.23	ng	0.00

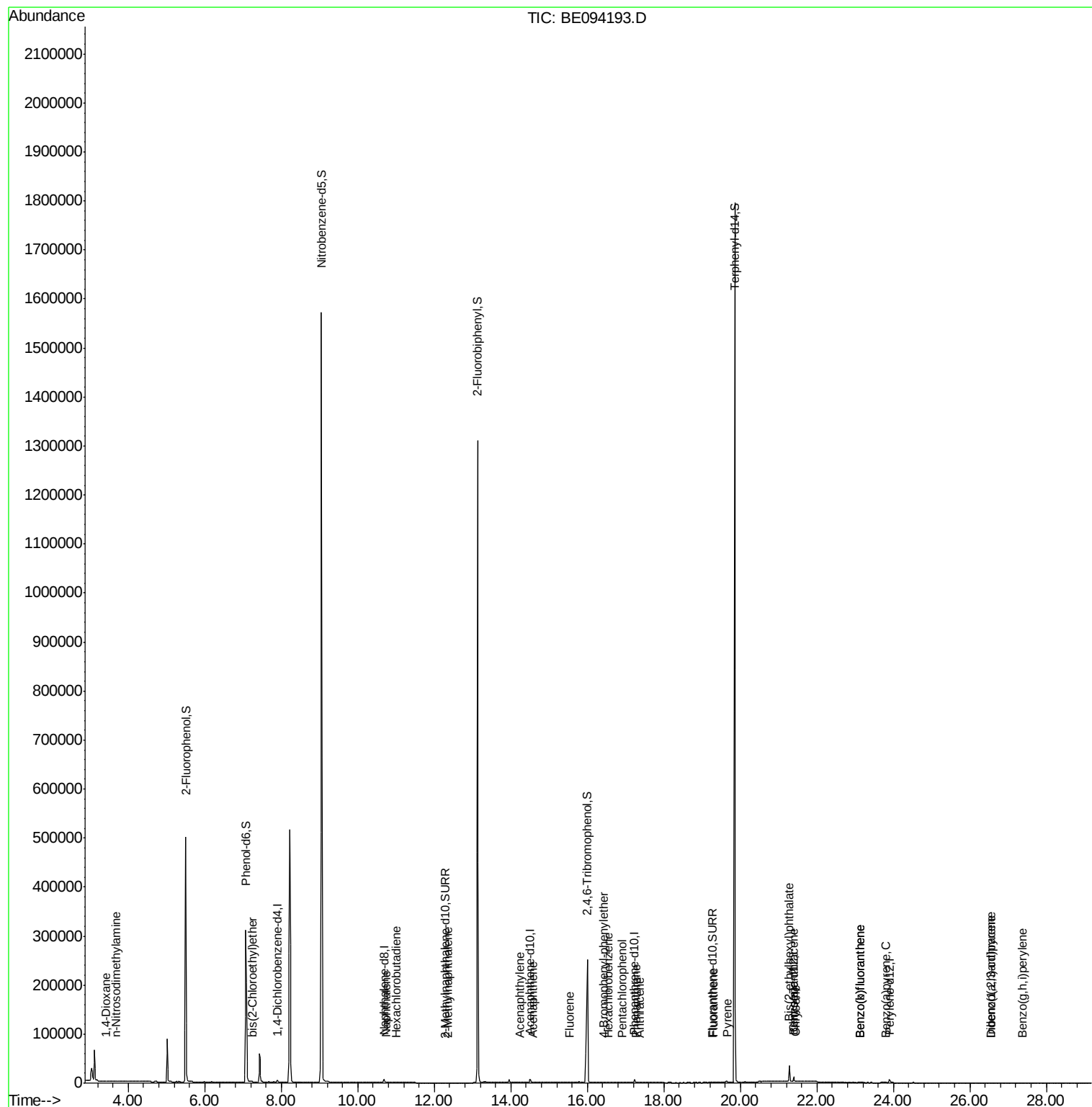
Target Compounds						Qvalue
2) 1,4-Dioxane	3.42	88	176	0.064	ng	# 18
3) n-Nitrosodimethylamine	3.68	42	15	0.005	ng	# 1
6) bis(2-Chloroethyl)ether	7.24	93	262	0.044	ng	# 1
9) Naphthalene	10.74	128	1627	0.020	ng	# 87
10) Hexachlorobutadiene	11.01	225	33	0.010	ng	# 91
12) 2-Methylnaphthalene	12.34	142	217	0.016	ng	# 85
16) Acenaphthylene	14.23	152	123	0.006	ng	# 48
17) Acenaphthene	14.57	154	112	0.008	ng	# 82
18) Fluorene	15.55	166	187	0.010	ng	# 75
20) 4-Bromophenyl-phenylether	16.42	248	12	0.002	ng	# 1
21) Hexachlorobenzene	16.55	284	8	0.001	ng	# 38
22) Pentachlorophenol	16.91	266	68	0.043	ng	# 97
23) Phenanthrene	17.27	178	1295	0.033	ng	# 82
24) Anthracene	17.37	178	528	0.018	ng	# 80
26) Fluoranthene	19.29	202	1295	0.038	ng	# 86
28) Pyrene	19.65	202	2368	0.065	ng	# 94
30) Benzo(a)anthracene	21.38	228	959	0.028	ng	# 69
31) Chrysene	21.44	228	1138	0.033	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.28	149	44219	0.554	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	673	0.020	ng	# 97
35) Benzo(b)fluoranthene	23.14	252	1027	0.031	ng	# 15
36) Benzo(k)fluoranthene	23.14	252	1027	0.030	ng	# 17
37) Benzo(a)pyrene	23.79	252	722	0.023	ng	# 1
38) Dibenzo(a,h)anthracene	26.56	278	567	0.019	ng	# 15
39) Benzo(g,h,i)perylene	27.36	276	638	0.021	ng	# 46

(#) = 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: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

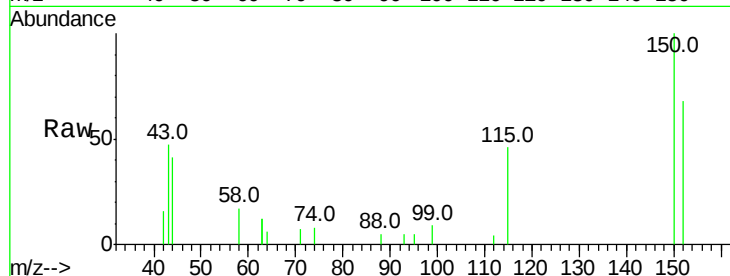
Tot Ion:152 Resp: 1508

Ion Ratio Lower Upper

152 100

150 146.8 117.2 175.8

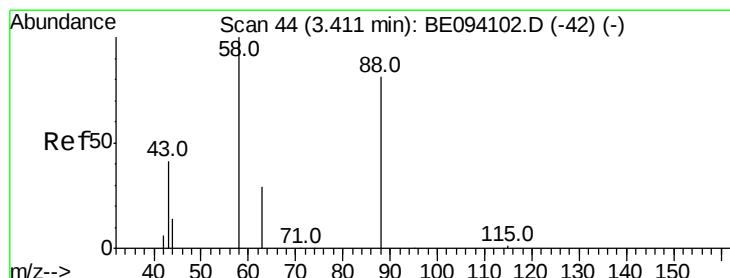
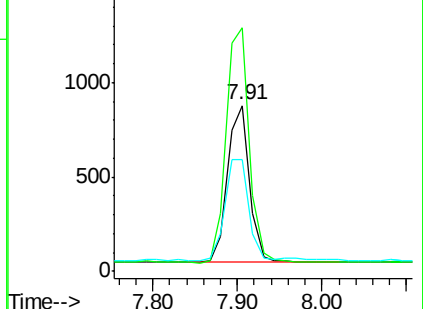
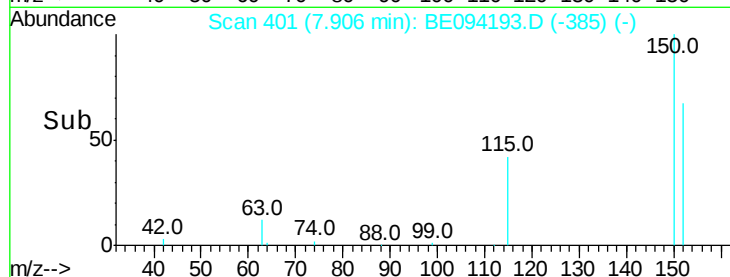
115 67.1 57.0 85.6



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: 0.064 ng

RT: 3.42 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

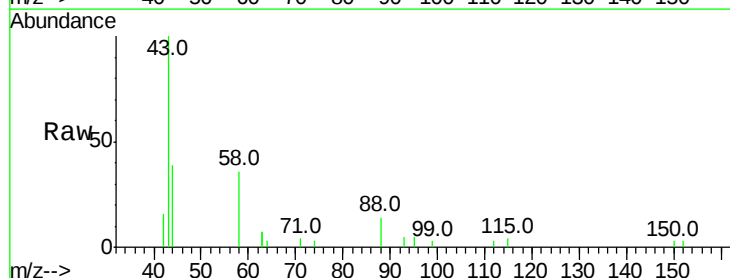
Tgt Ion: 88 Resp: 176

Ion Ratio Lower Upper

88 100

58 155.7 63.2 94.8#

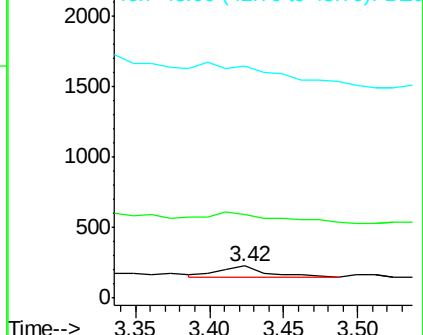
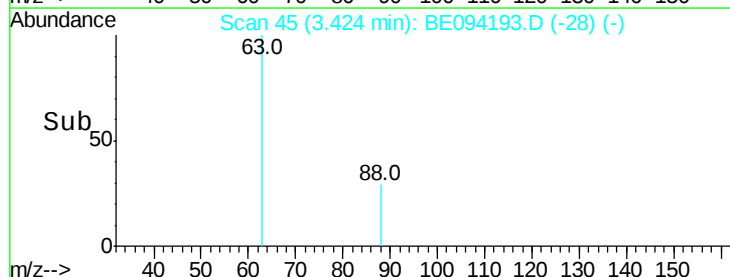
43 0.0 41.2 61.8#



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: 0.005 ng

RT: 3.68 min Scan# 65

Delta R.T. -0.05 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

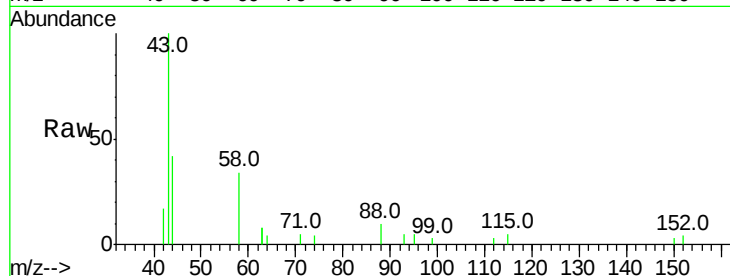
Tot Ion: 42 Resp: 15

Ion Ratio Lower Upper

42 100

74 0.0 100.3 150.5#

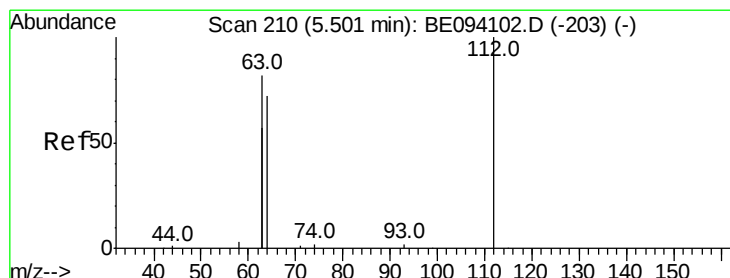
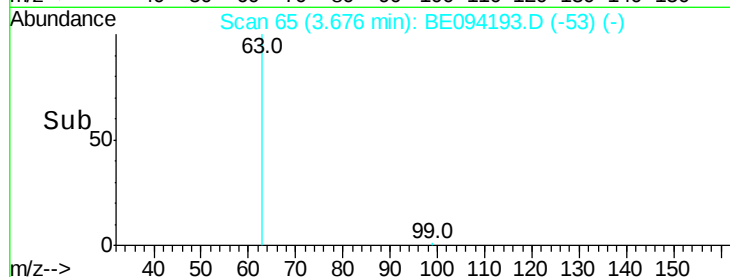
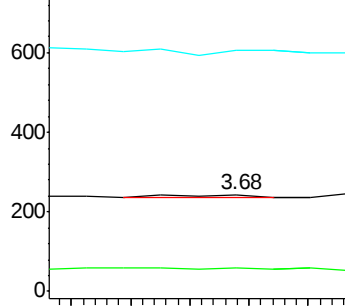
44 0.0 17.0 25.4#



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: 56.326 ng

RT: 5.50 min Scan# 210

Delta R.T. 0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

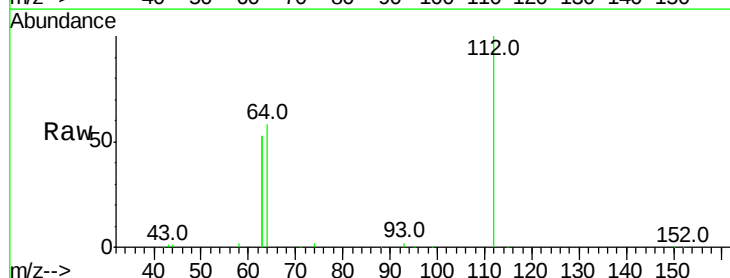
Tgt Ion: 112 Resp: 283054

Ion Ratio Lower Upper

112 100

64 75.3 60.1 90.1

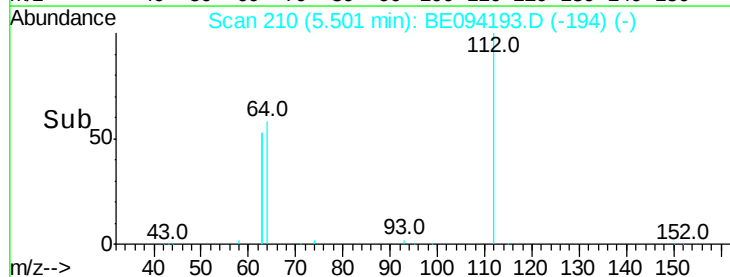
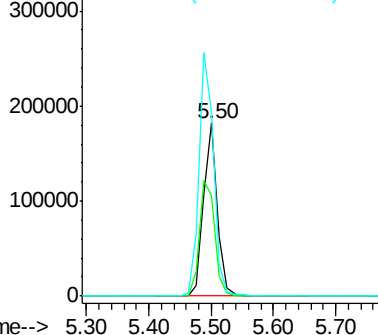
63 149.6 116.8 175.2

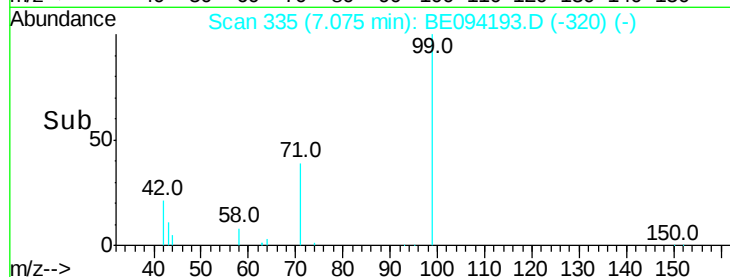
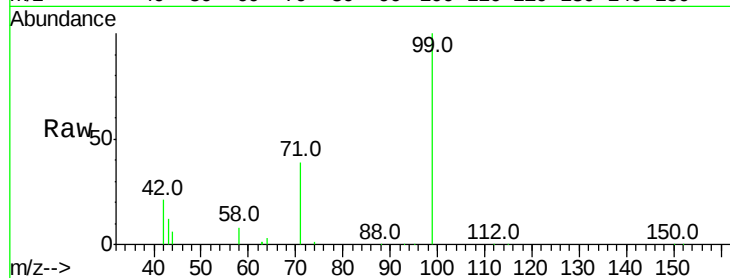
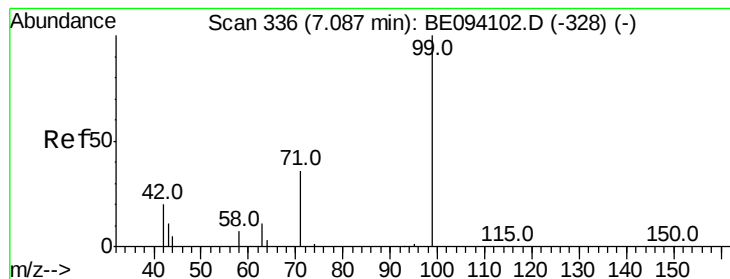


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 40.663 ng

RT: 7.07 min Scan# 335

Delta R.T. -0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

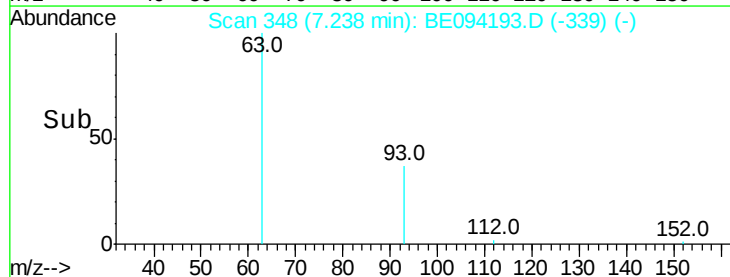
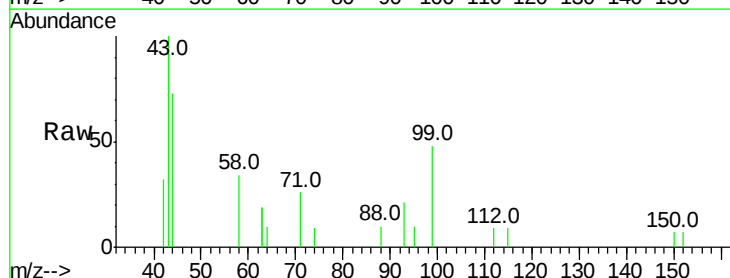
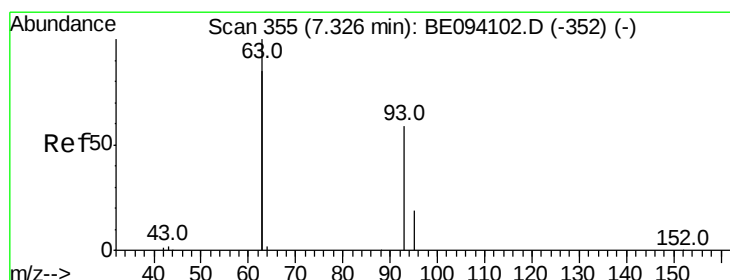
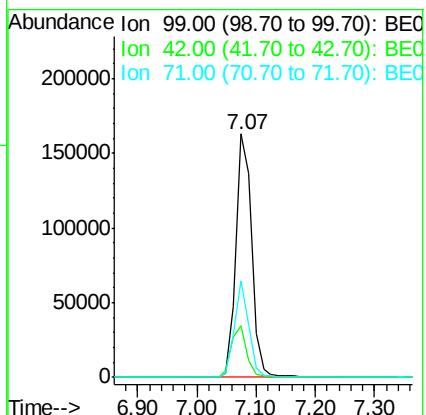
Tot Ion: 99 Resp: 296242

Ion Ratio Lower Upper

99 100

42 20.6 20.2 30.2

71 35.5 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.044 ng

RT: 7.24 min Scan# 348

Delta R.T. -0.09 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

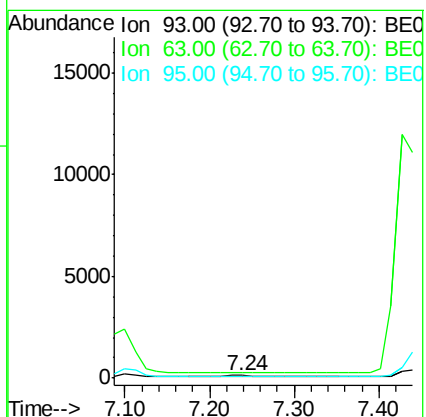
Tgt Ion: 93 Resp: 262

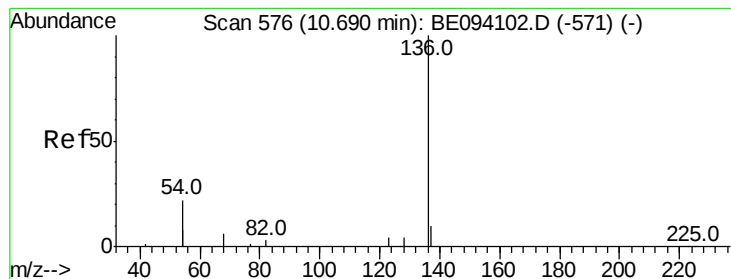
Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

Tot Ion:136 Resp: 7394

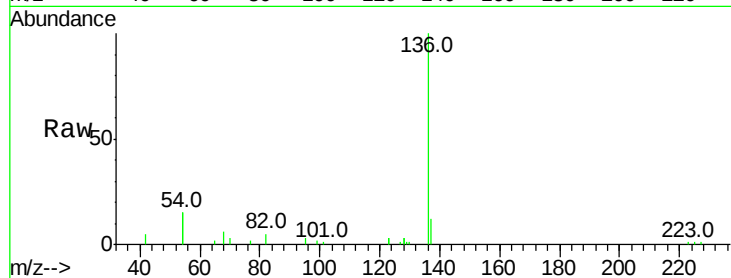
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 30.2 29.1 43.7

68 6.2 6.2 9.2

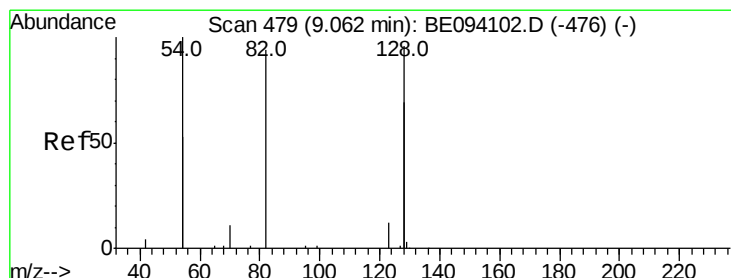
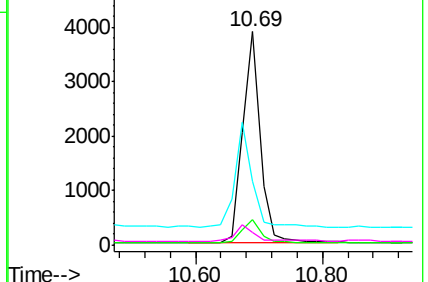
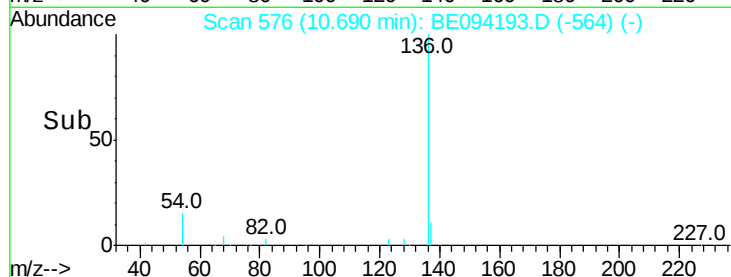


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.012 ng

RT: 9.04 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

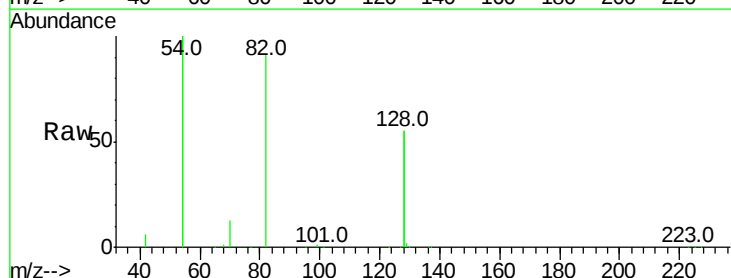
Tgt Ion: 82 Resp: 578751

Ion Ratio Lower Upper

82 100

128 120.7 150.0 225.0#

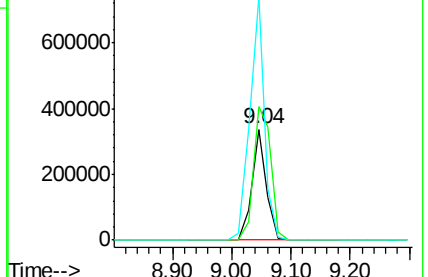
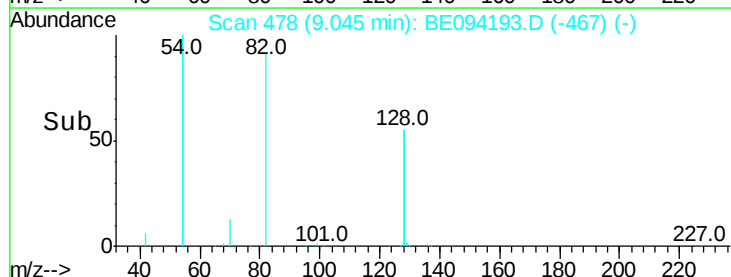
54 219.2 154.2 231.4



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: 0.020 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

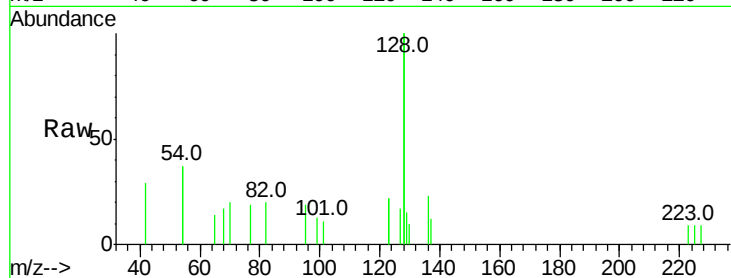
Tot Ion:128 Resp: 1627

Ion Ratio Lower Upper

128 100

129 7.3 2.6 3.8#

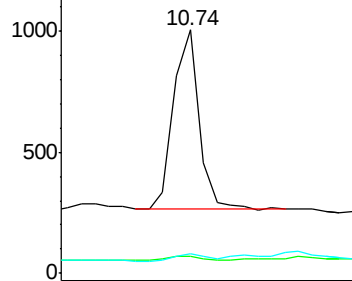
127 8.3 2.8 4.2#



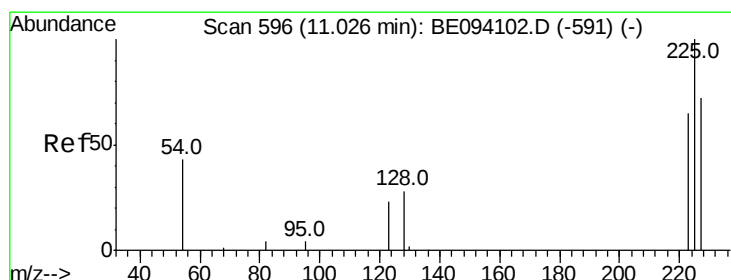
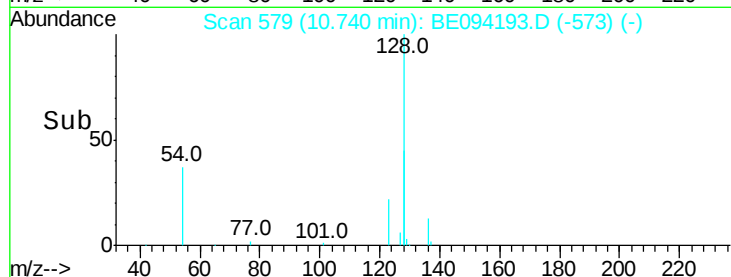
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#10

Hexachlorobutadiene

Concen: 0.010 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

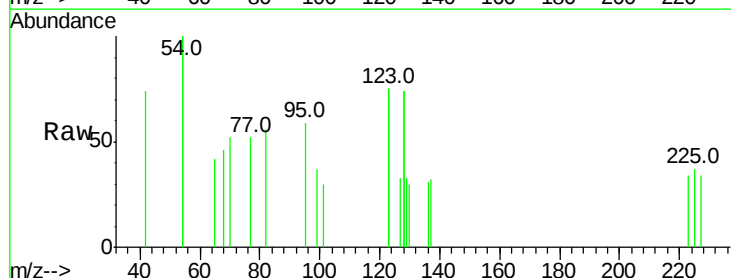
Tgt Ion:225 Resp: 33

Ion Ratio Lower Upper

225 100

223 63.6 53.0 79.6

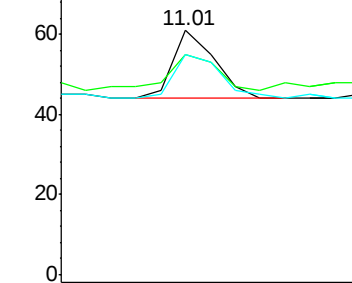
227 75.8 51.4 77.2



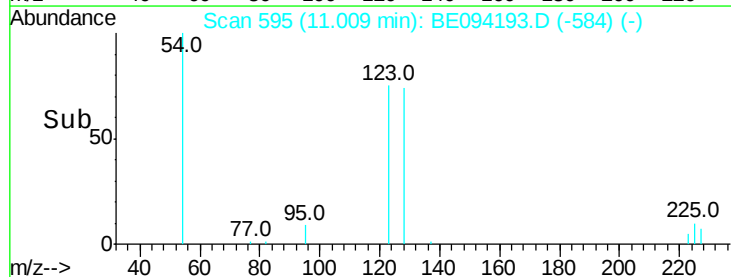
Abundance Ion 225.00 (224.70 to 225.70): E

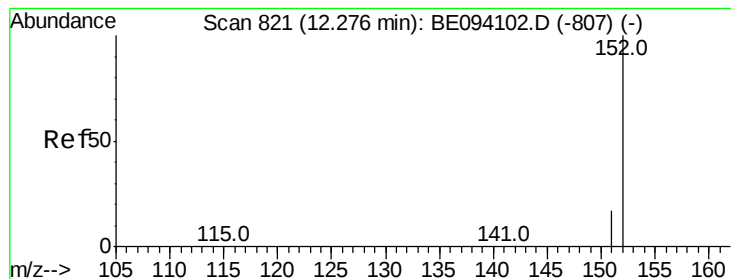
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.001 ng

RT: 12.29 min Scan# 824

Delta R.T. 0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

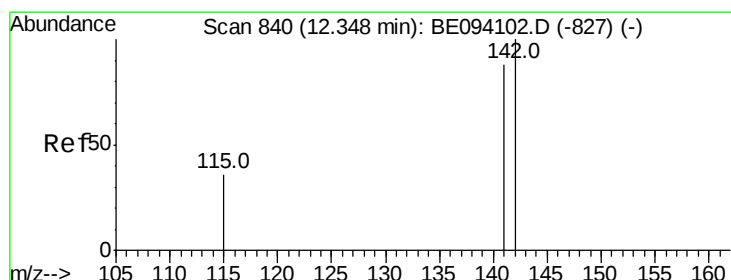
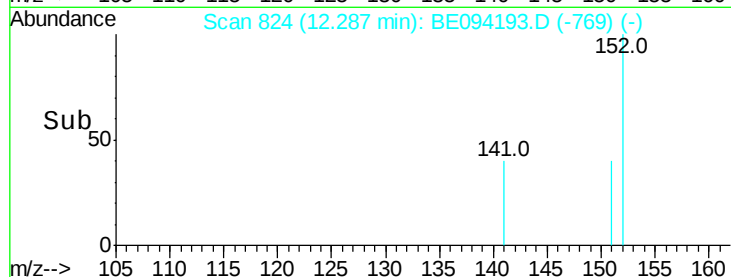
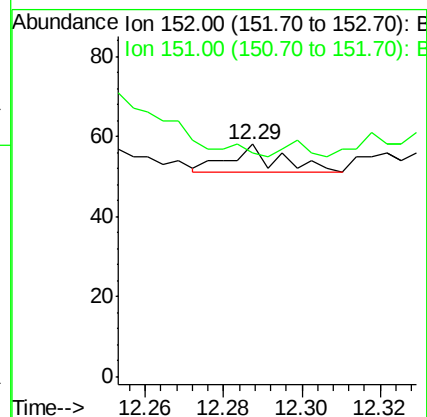
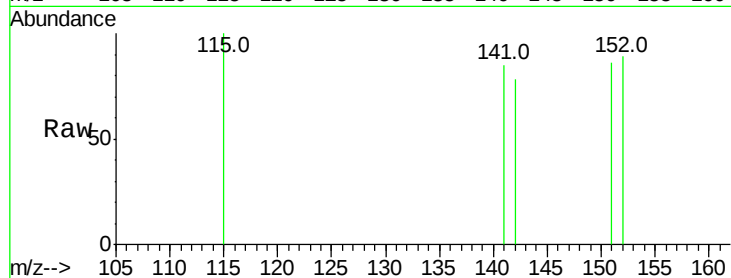
PAMT-COMP-D

Tot Ion:152 Resp: 6

Ion Ratio Lower Upper

152 100

151 33.3 15.4 23.0#



#12

2-Methylnaphthalene

Concen: 0.016 ng

RT: 12.34 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

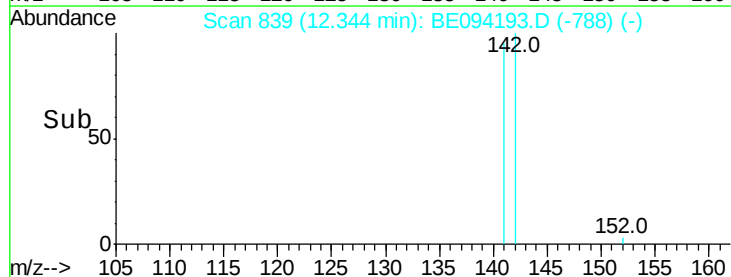
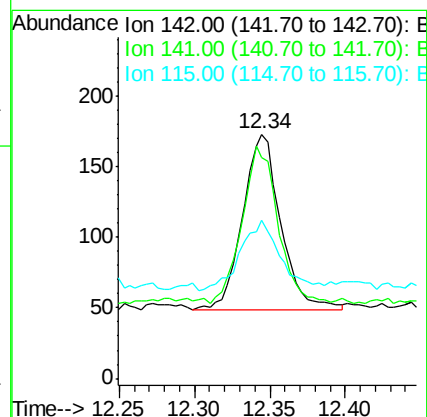
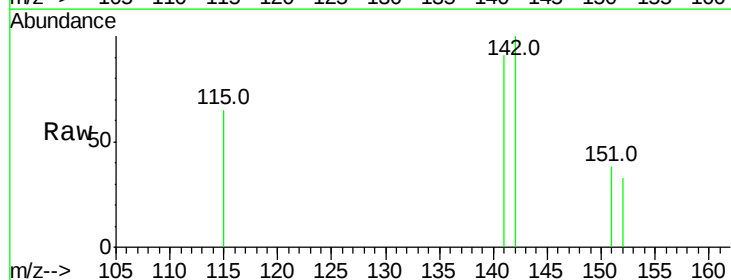
Tgt Ion:142 Resp: 217

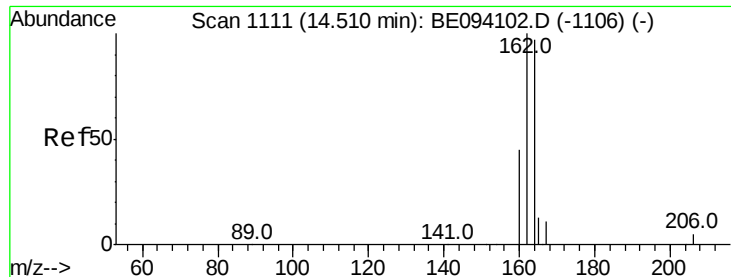
Ion Ratio Lower Upper

142 100

141 90.8 70.4 105.6

115 64.7 31.7 47.5#

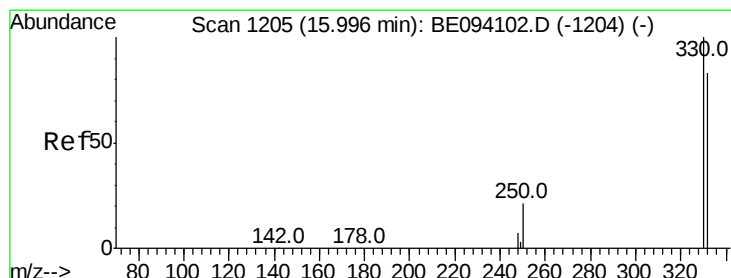
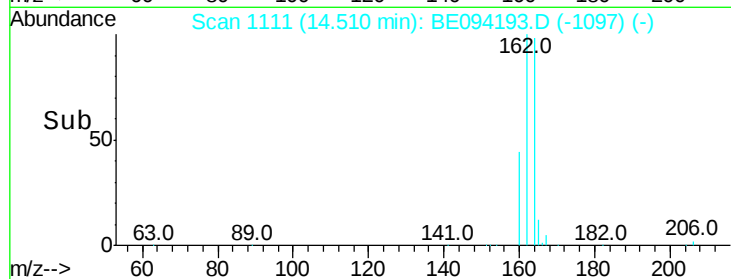
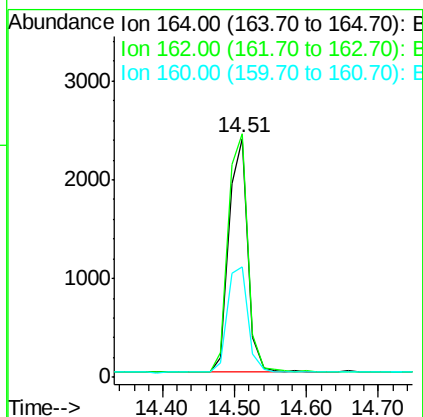
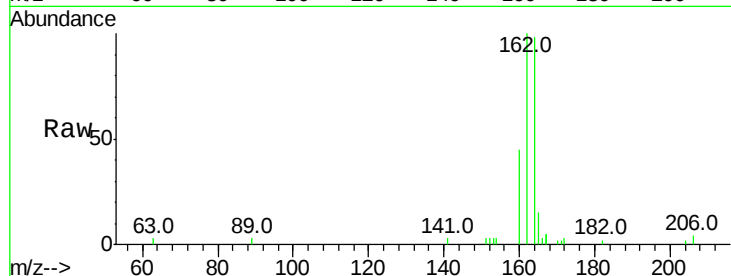




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094193.D
Acq: 6 Oct 2017 23:43

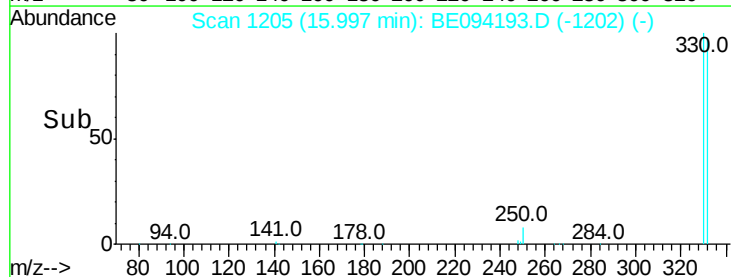
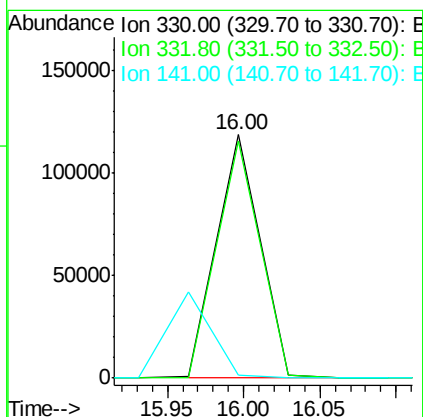
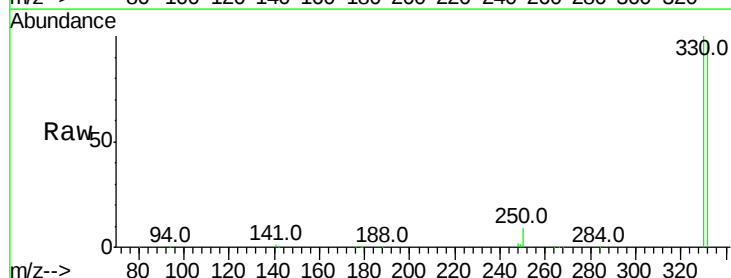
Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-D

Tot Ion:164 Resp: 4355
Ion Ratio Lower Upper
164 100
162 101.9 83.1 124.7
160 46.4 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 122.826 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094193.D
Acq: 6 Oct 2017 23:43

Tgt Ion:330 Resp: 232539
Ion Ratio Lower Upper
330 100
332 97.6 152.7 229.1#
141 0.0 33.7 50.5#

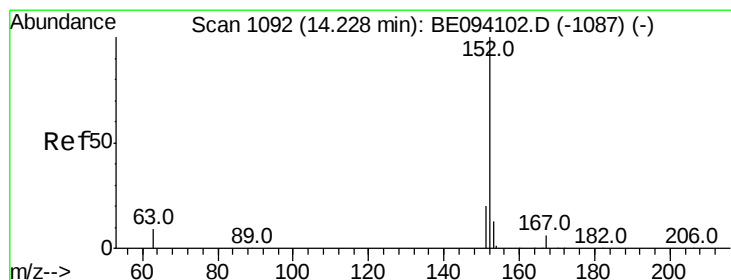
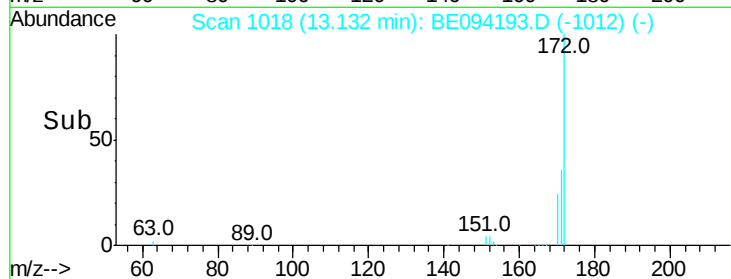
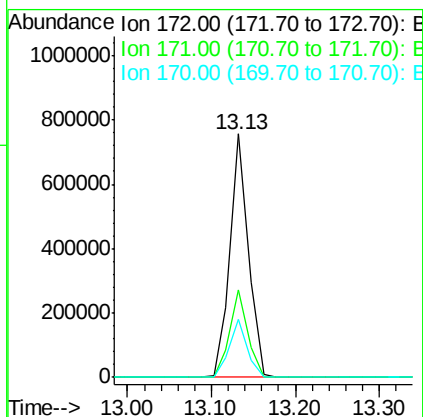
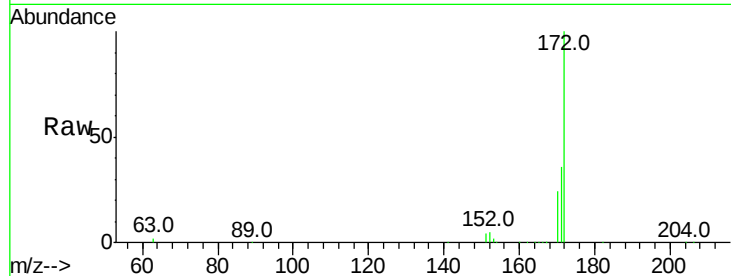




#15
2-Fluorobiphenyl
Concen: 77.042 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094193.D
Acq: 6 Oct 2017 23:43

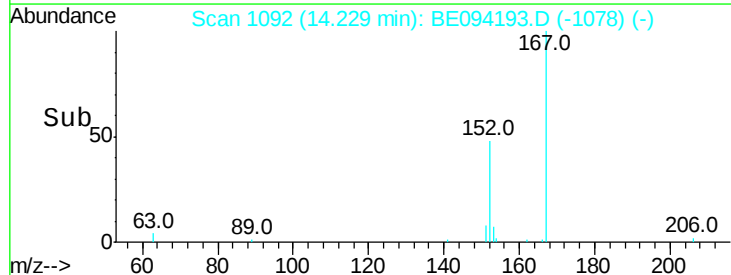
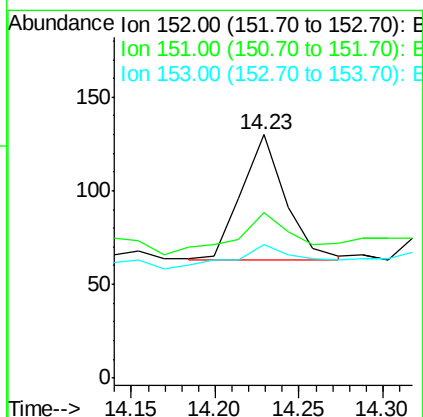
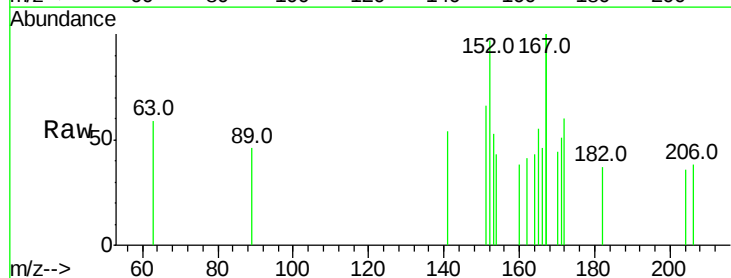
Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-D

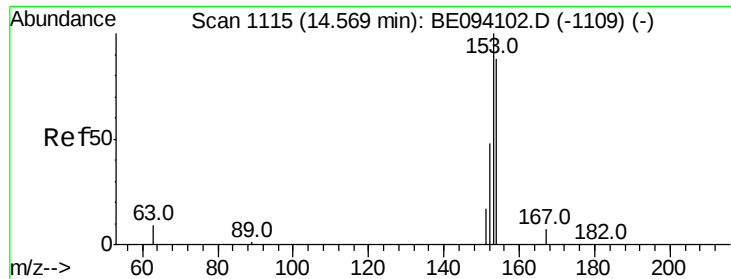
Tot Ion:172 Resp: 1149382
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 23.9 21.8 32.8



#16
Acenaphthylene
Concen: 0.006 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094193.D
Acq: 6 Oct 2017 23:43

Tgt Ion:152 Resp: 123
Ion Ratio Lower Upper
152 100
151 44.7 15.7 23.5#
153 31.7 10.5 15.7#





#17

Acenaphthene

Concen: 0.008 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

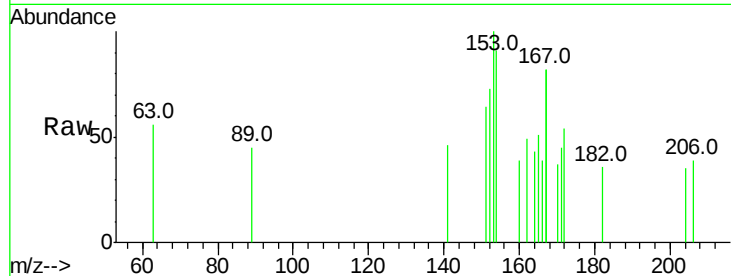
Tot Ion:154 Resp: 112

Ion Ratio Lower Upper

154 100

153 130.4 89.2 133.8

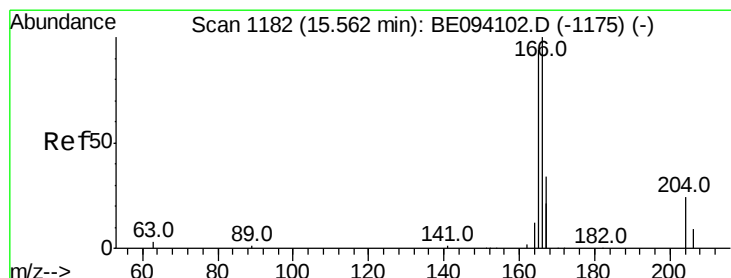
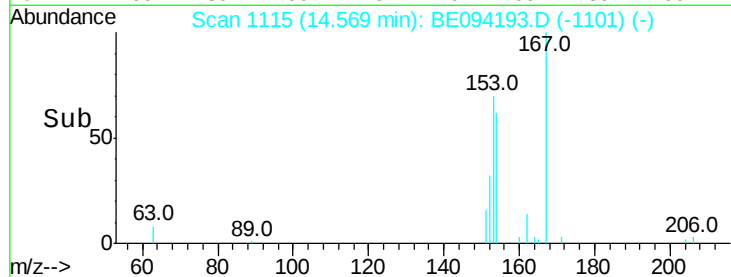
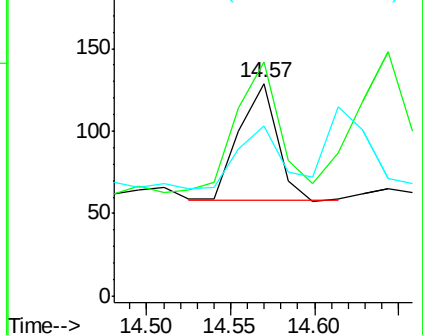
152 66.1 42.0 63.0#



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: 0.010 ng

RT: 15.55 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

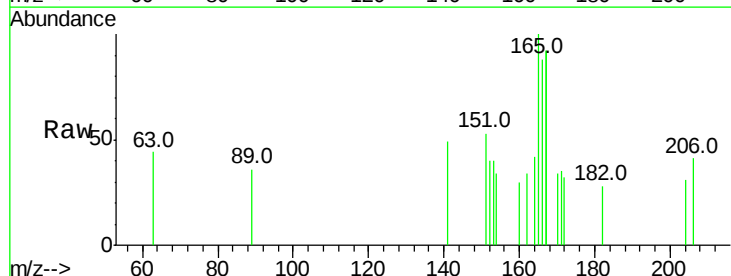
Tgt Ion:166 Resp: 187

Ion Ratio Lower Upper

166 100

165 111.8 77.8 116.6

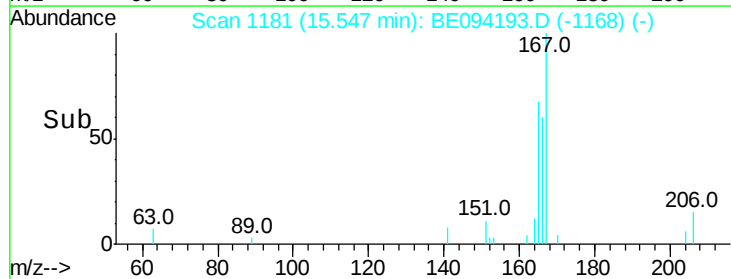
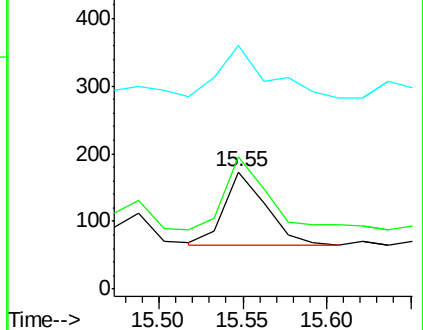
167 84.0 42.4 63.6#

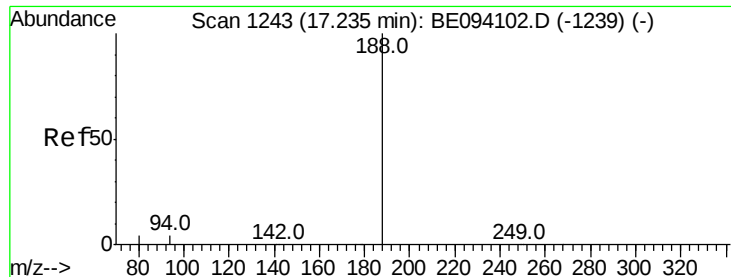


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

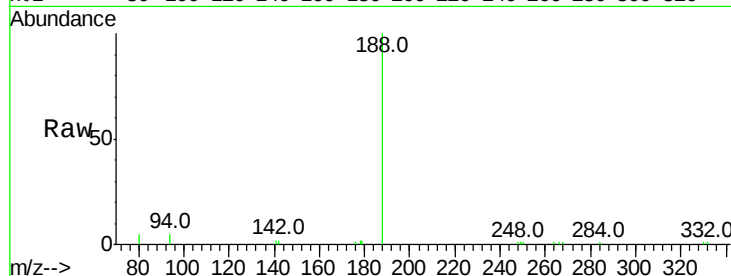
Tot Ion:188 Resp: 11254

Ion Ratio Lower Upper

188 100

94 4.9 3.9 5.9

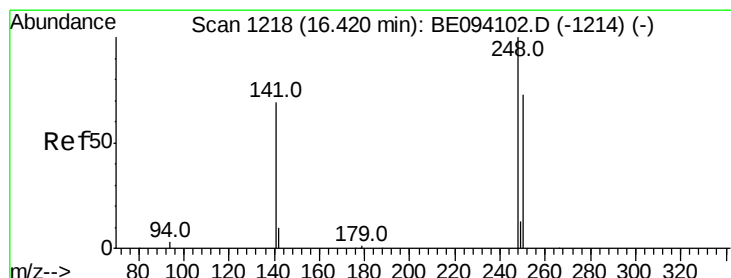
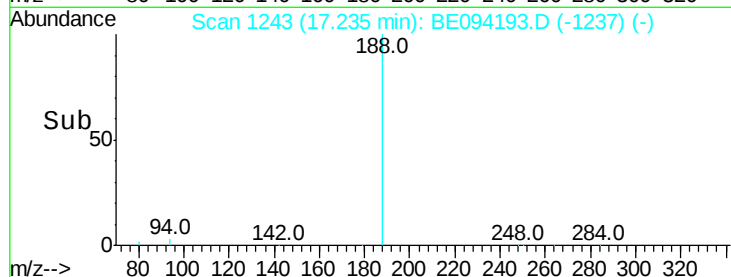
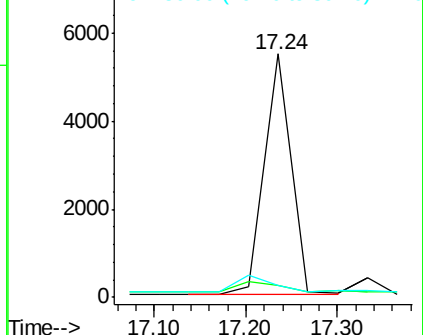
80 4.8 3.6 5.4



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



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

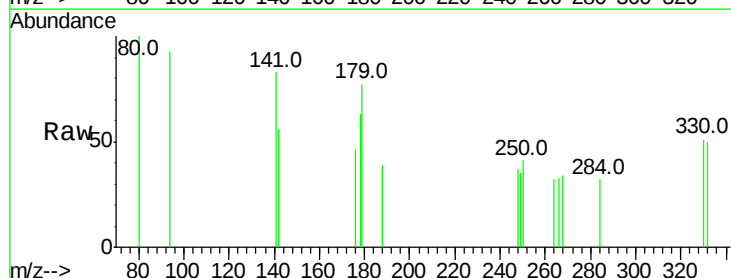
Tgt Ion:248 Resp: 12

Ion Ratio Lower Upper

248 100

250 109.3 62.7 94.1#

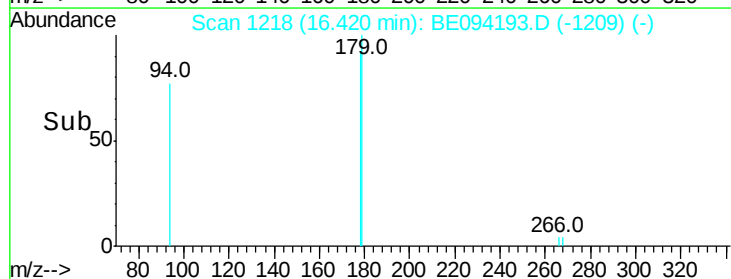
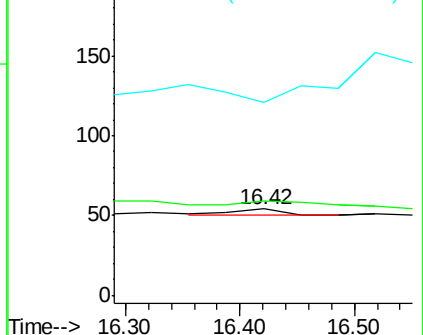
141 224.1 48.2 72.2#

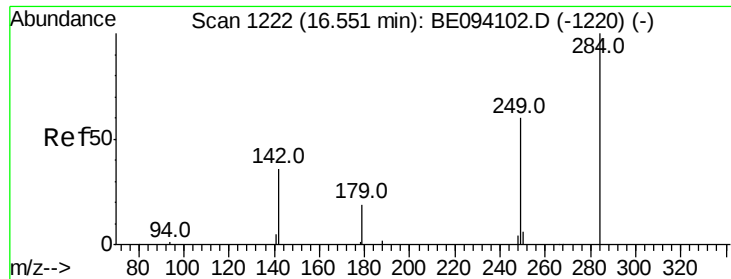


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

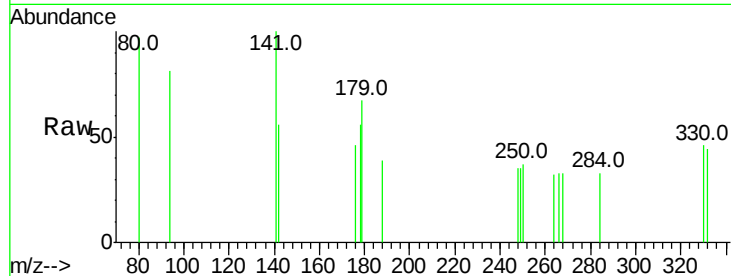
Tot Ion:284 Resp: 8

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 0.0 34.8 52.2#

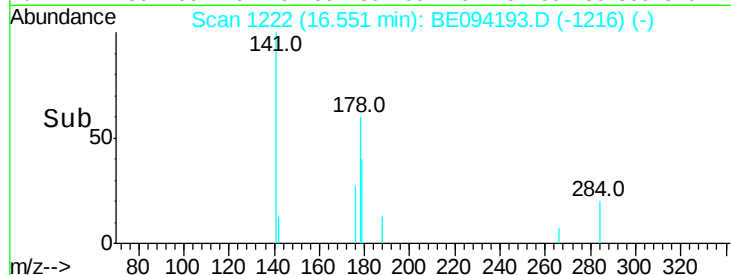


Abundance Ion 283.80 (283.50 to 284.50): E

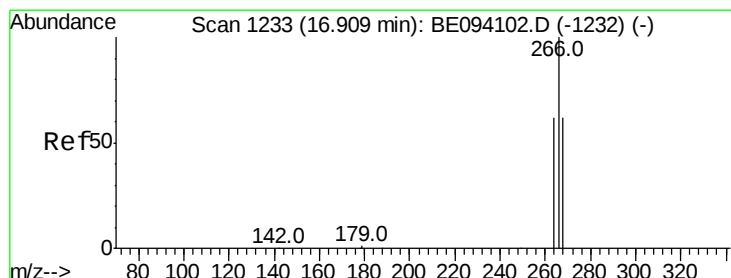
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



Time-->



#22

Pentachlorophenol

Concen: 0.043 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

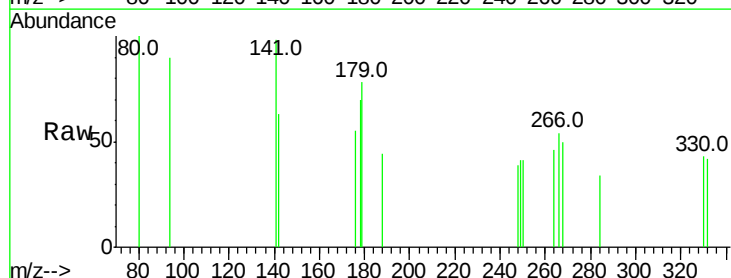
Tgt Ion:266 Resp: 68

Ion Ratio Lower Upper

266 100

264 84.9 72.5 108.7

268 91.8 73.8 110.6

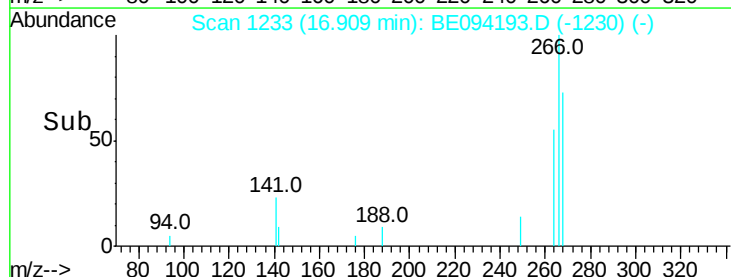


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Time-->



Time-->



#23

Phenanthrene

Concen: 0.033 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

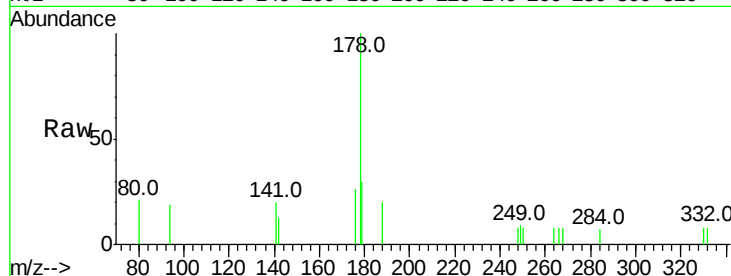
Tot Ion:178 Resp: 1295

Ion Ratio Lower Upper

178 100

176 21.0 15.1 22.7

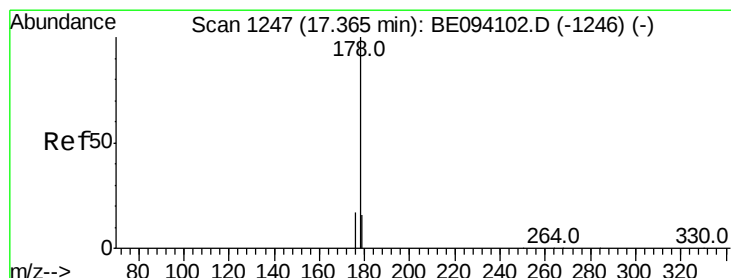
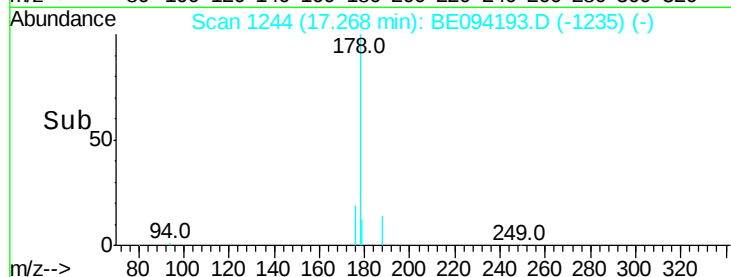
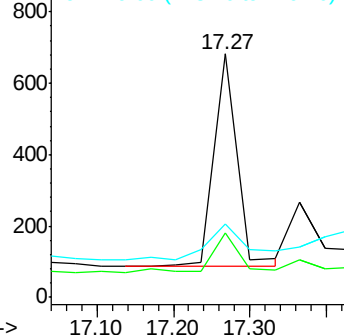
179 29.4 11.8 17.6#



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: 0.018 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

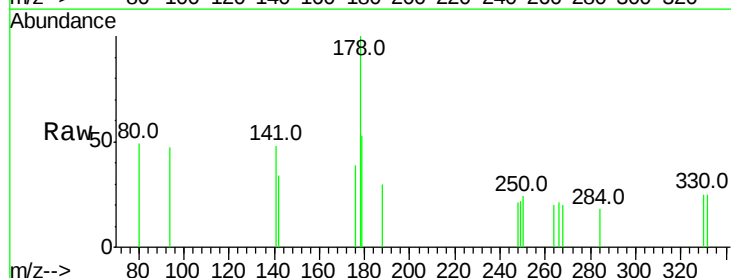
Tgt Ion:178 Resp: 528

Ion Ratio Lower Upper

178 100

176 17.0 12.8 19.2

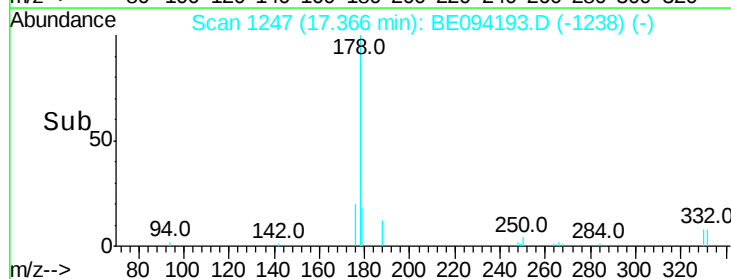
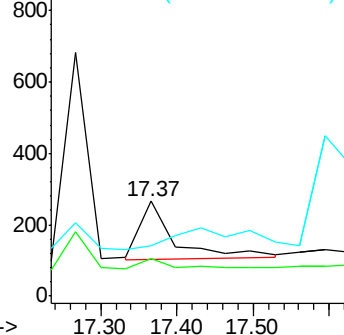
179 0.0 13.0 19.6#



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: 0.001 ng

RT: 19.26 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

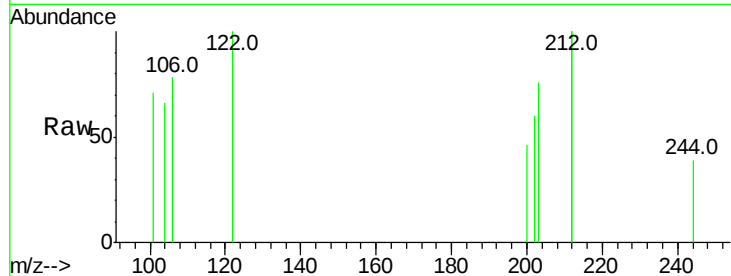
Tot Ion:212 Resp: 62

Ion Ratio Lower Upper

212 100

106 54.8 2.8 4.2#

104 45.2 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

19.26

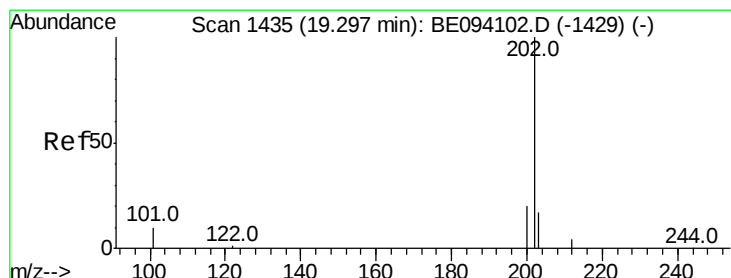
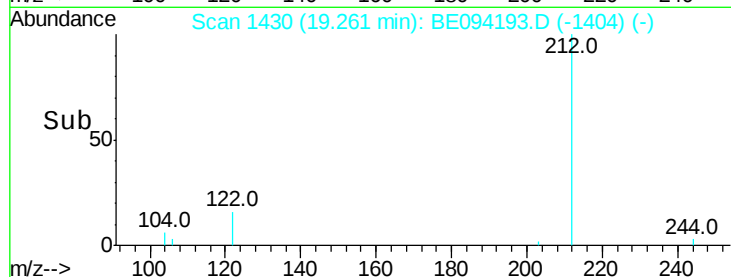
300

200

100

0

Time-->



#26

Fluoranthene

Concen: 0.038 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

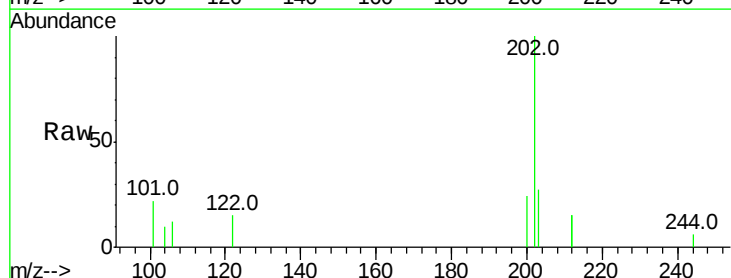
Tgt Ion:202 Resp: 1295

Ion Ratio Lower Upper

202 100

101 23.5 9.8 14.8#

203 18.8 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

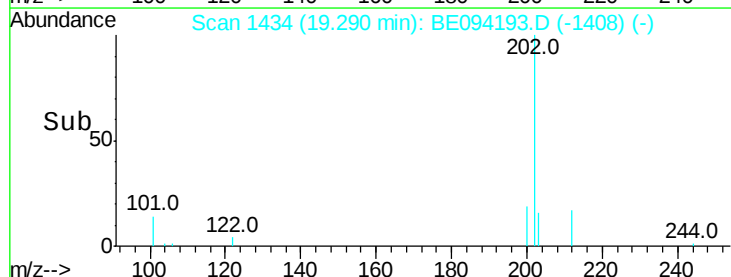
19.29

1000

500

0

Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

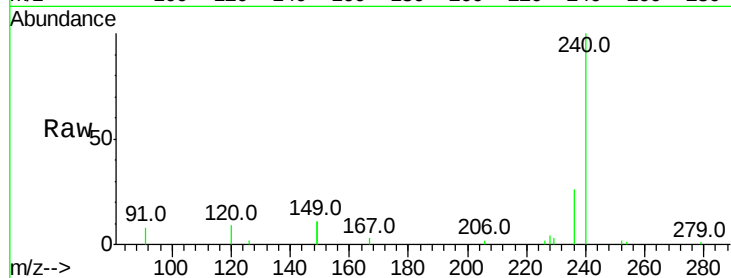
Tot Ion:240 Resp: 10545

Ion Ratio Lower Upper

240 100

120 8.6 5.5 8.3#

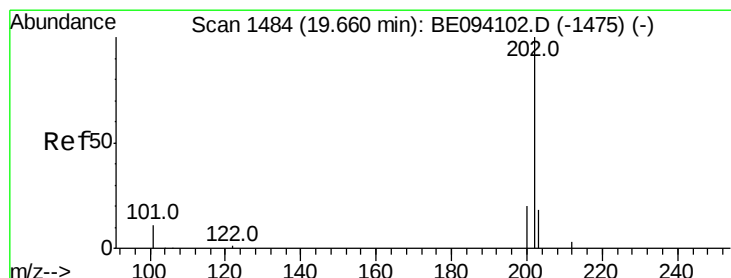
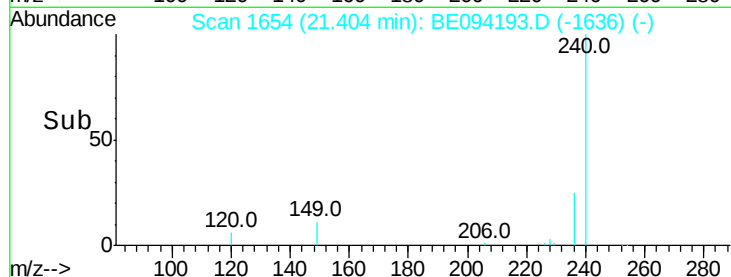
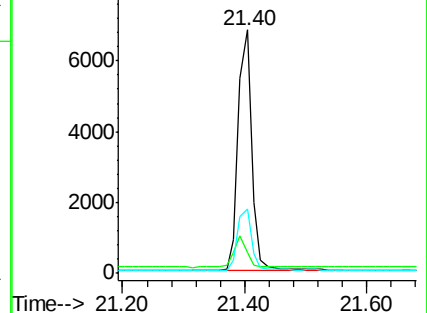
236 26.4 20.7 31.1



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: 0.065 ng

RT: 19.65 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

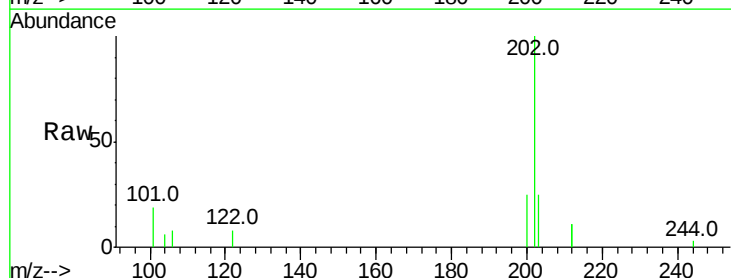
Tgt Ion:202 Resp: 2368

Ion Ratio Lower Upper

202 100

200 22.2 16.6 25.0

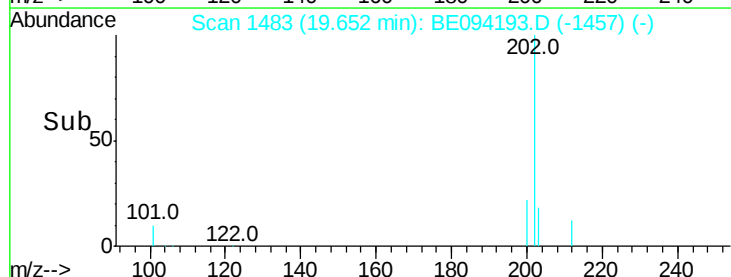
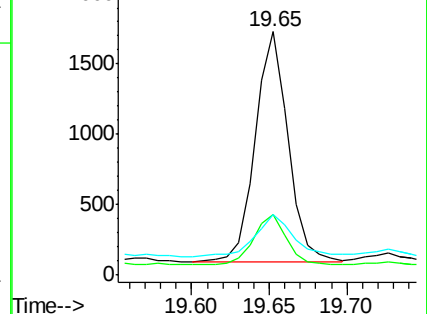
203 21.9 13.8 20.8#

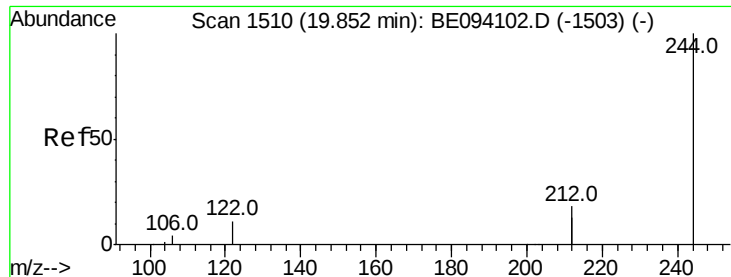


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 78.226 ng

RT: 19.85 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

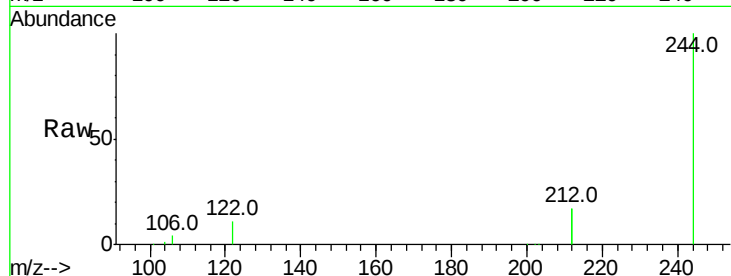
Tot Ion:244 Resp: 1557730

Ion Ratio Lower Upper

244 100

212 33.6 25.4 38.0

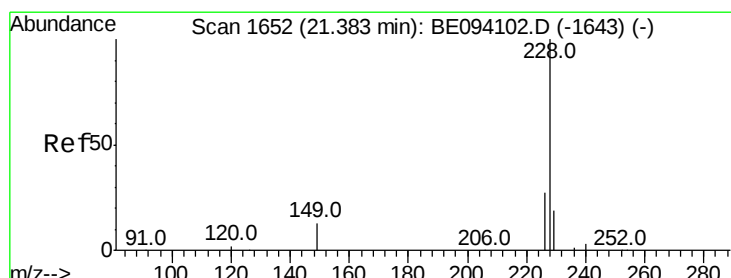
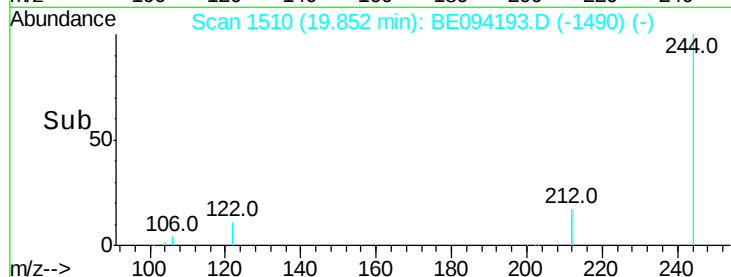
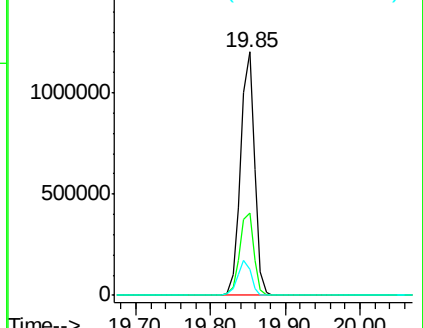
122 10.6 8.1 12.1



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: 0.028 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

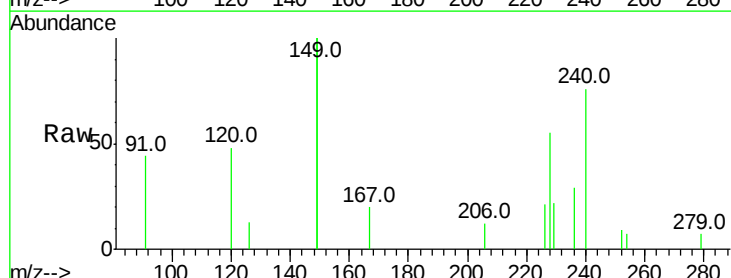
Tgt Ion:228 Resp: 959

Ion Ratio Lower Upper

228 100

226 37.9 21.4 32.0#

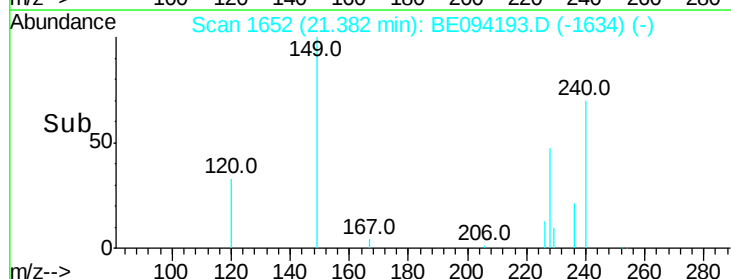
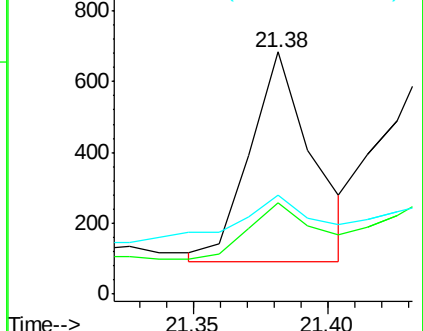
229 40.8 16.4 24.6#



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: 0.033 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

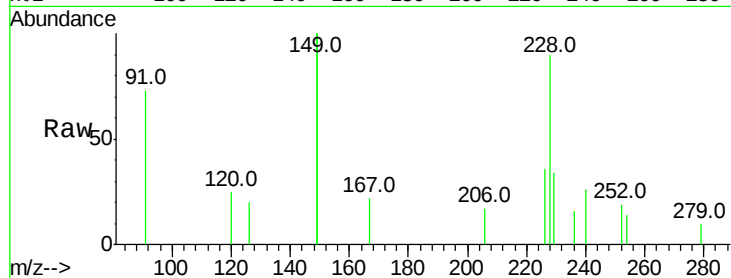
Tot Ion:228 Resp: 1138

Ion Ratio Lower Upper

228 100

226 39.8 23.6 35.4#

229 37.5 16.4 24.6#



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

21.44

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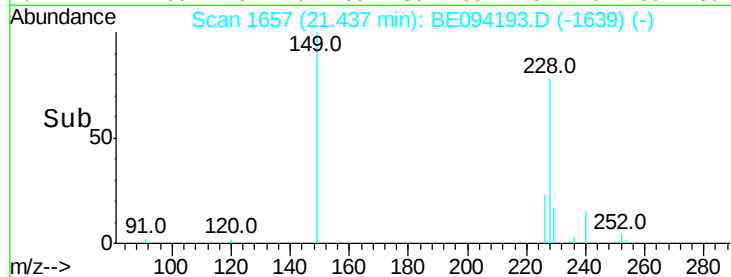
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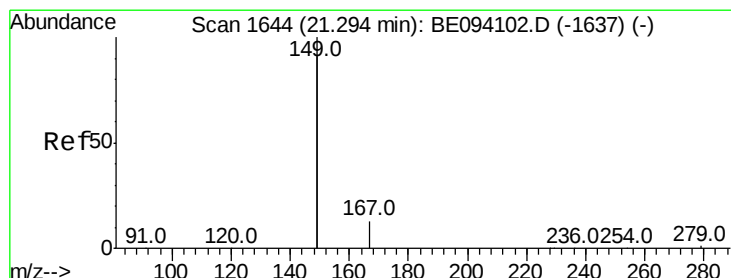
21.44

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Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.554 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

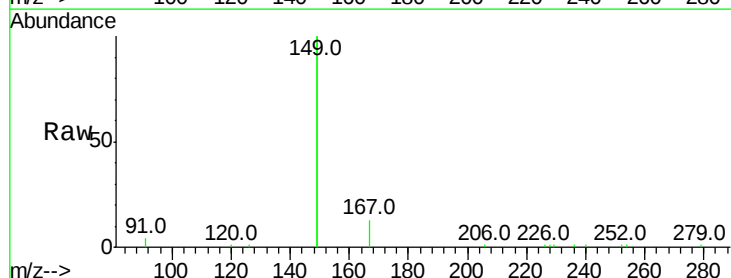
Tgt Ion:149 Resp: 44219

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

279 0.9 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

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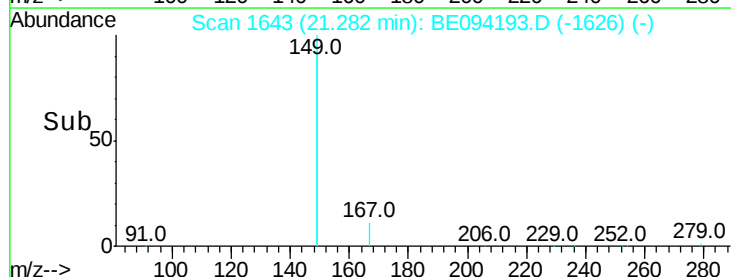
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Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.020 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

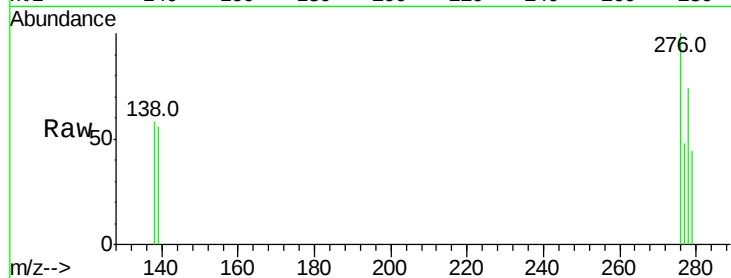
Tot Ion:276 Resp: 673

Ion Ratio Lower Upper

276 100

138 30.3 22.5 33.7

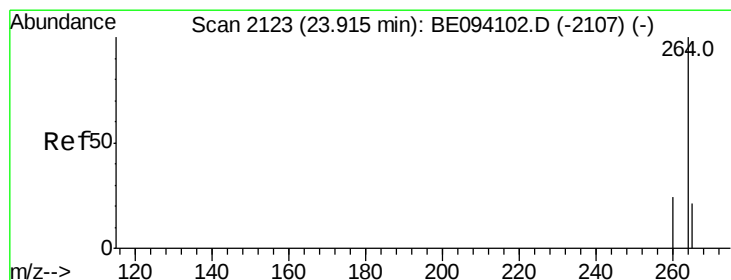
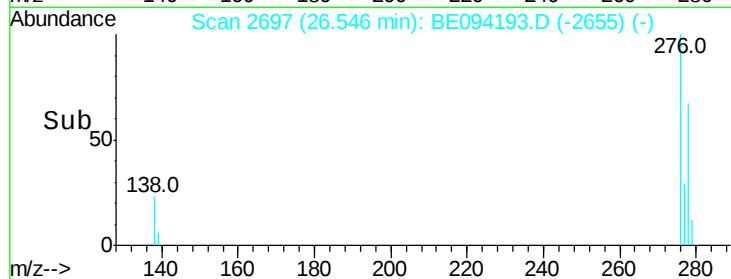
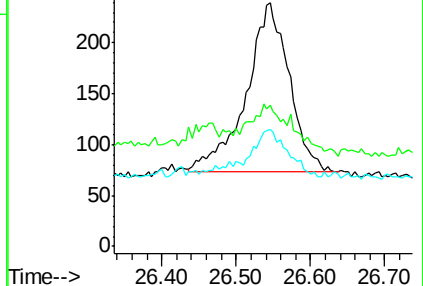
277 23.6 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

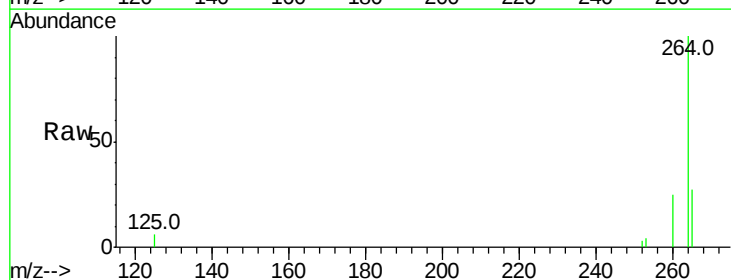
Tgt Ion:264 Resp: 9943

Ion Ratio Lower Upper

264 100

260 24.6 20.5 30.7

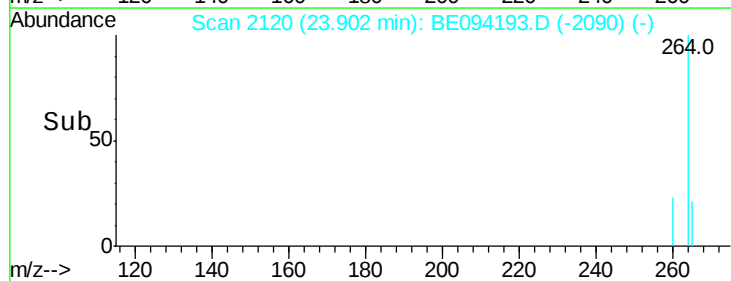
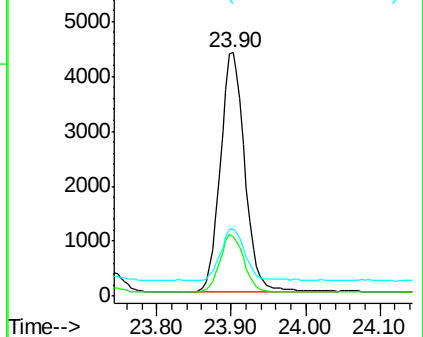
265 27.3 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.031 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

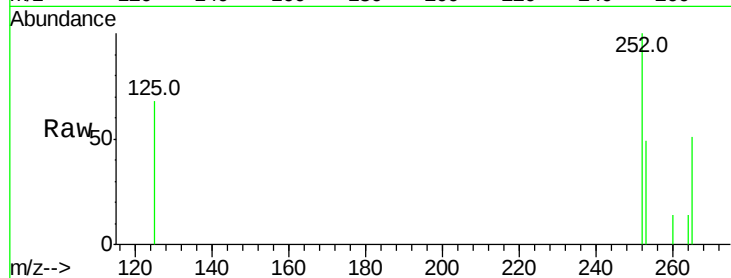
Tot Ion:252 Resp: 1027

Ion Ratio Lower Upper

252 100

253 48.9 18.2 27.2#

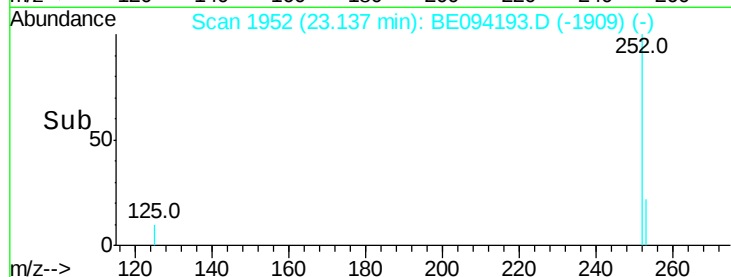
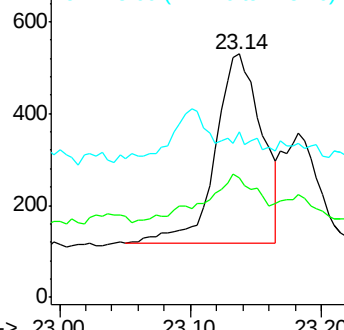
125 67.7 10.1 15.1#



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: 0.030 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.05 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

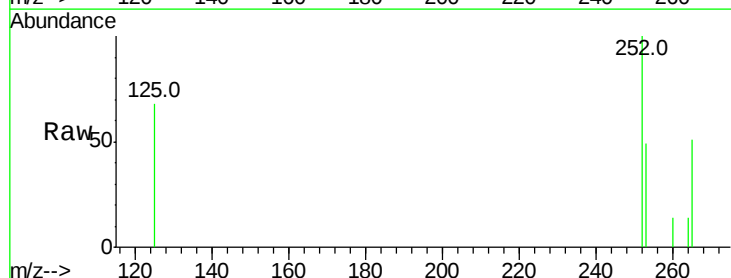
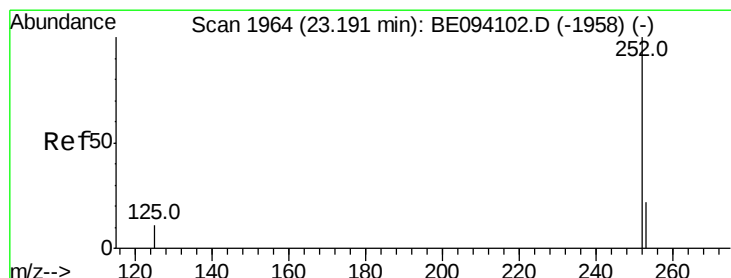
Tgt Ion:252 Resp: 1027

Ion Ratio Lower Upper

252 100

253 48.9 18.6 27.8#

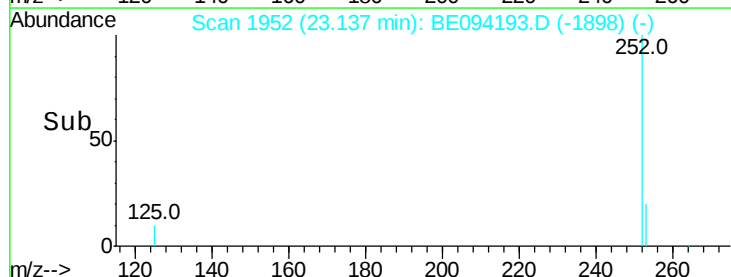
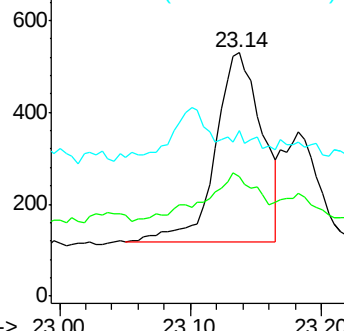
125 67.7 10.7 16.1#



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: 0.023 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D

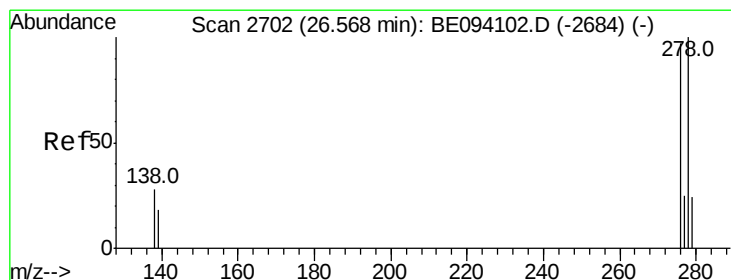
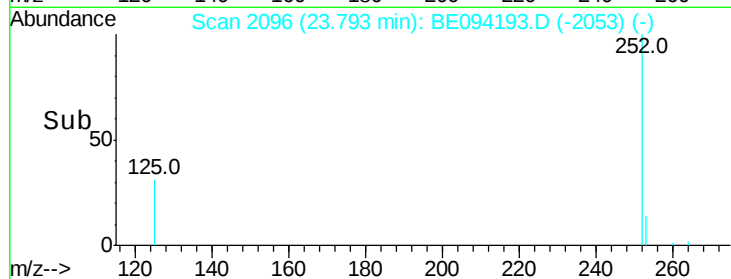
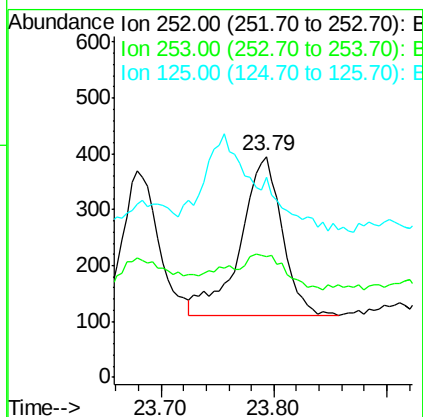
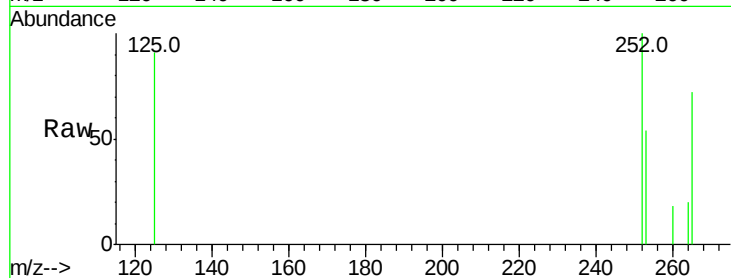
Tot Ion:252 Resp: 722

Ion Ratio Lower Upper

252 100

253 54.4 19.0 28.6#

125 90.6 11.8 17.8#



#38

Dibenzo(a,h)anthracene

Concen: 0.019 ng

RT: 26.56 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BE094193.D

Acq: 6 Oct 2017 23:43

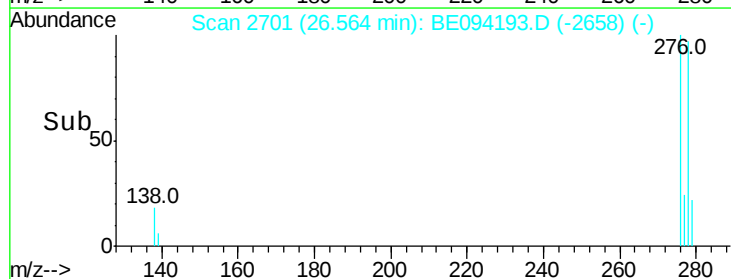
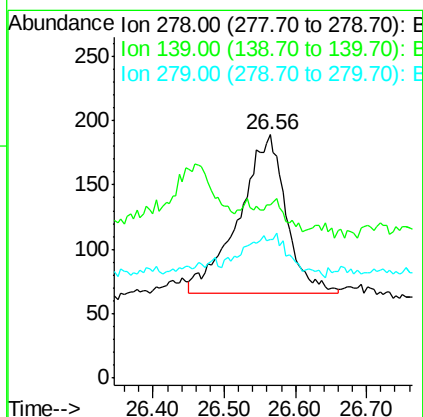
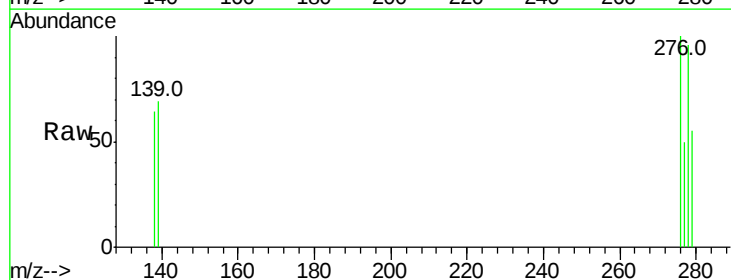
Tgt Ion:278 Resp: 567

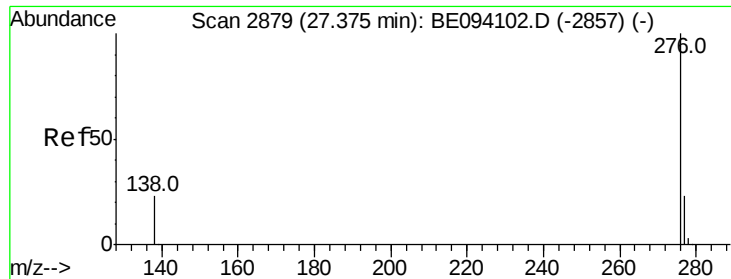
Ion Ratio Lower Upper

278 100

139 71.4 16.3 24.5#

279 57.1 19.9 29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.021 ng

RT: 27.36 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BE094193.D

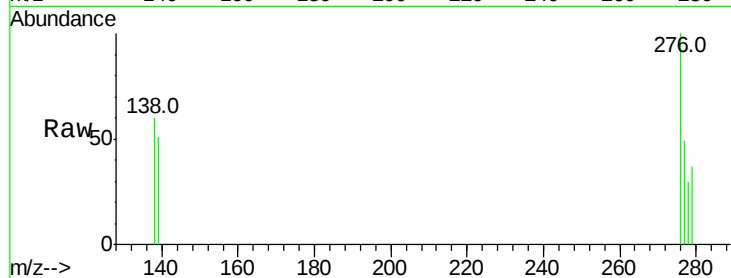
Acq: 6 Oct 2017 23:43

Instrument :

BNA_E

ClientSampleId :

PAMT-COMP-D



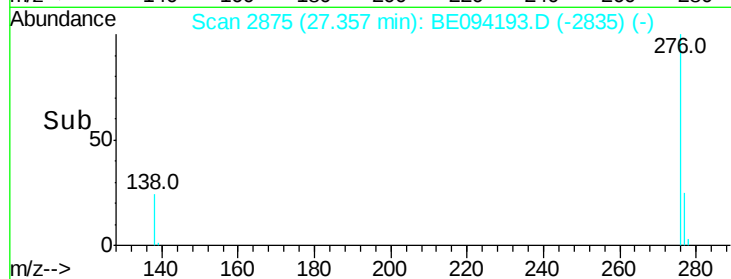
Tot Ion:276 Resp: 638

Ion Ratio Lower Upper

276 100

277 48.8 20.8 31.2#

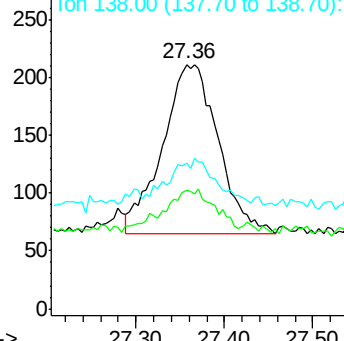
138 59.7 21.5 32.3#



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



Time-->