

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094449.D
 Acq On : 19 Oct 2017 15:59
 Operator : SJ/JU
 Sample : I5819-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3903-PP1-DUP

Quant Time: Oct 20 12:40:33 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1502	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	7834	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4630	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	12020	0.40	ng	-0.03
27) Chrysene-d12	21.41	240	10458	0.40	ng	-0.01
34) Perylene-d12	23.94	264	9916	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1003	0.20	ng	0.01
5) Phenol-d6	7.14	99	857	0.11	ng	0.01
8) Nitrobenzene-d5	9.08	82	3232	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	5799	0.48	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	634	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	8710	0.53	ng	0.00
25) Fluoranthene-d10	19.28	212	58221	0.30	ng	-0.01
29) Terphenyl-d14	19.85	244	12625	0.60	ng	-0.01

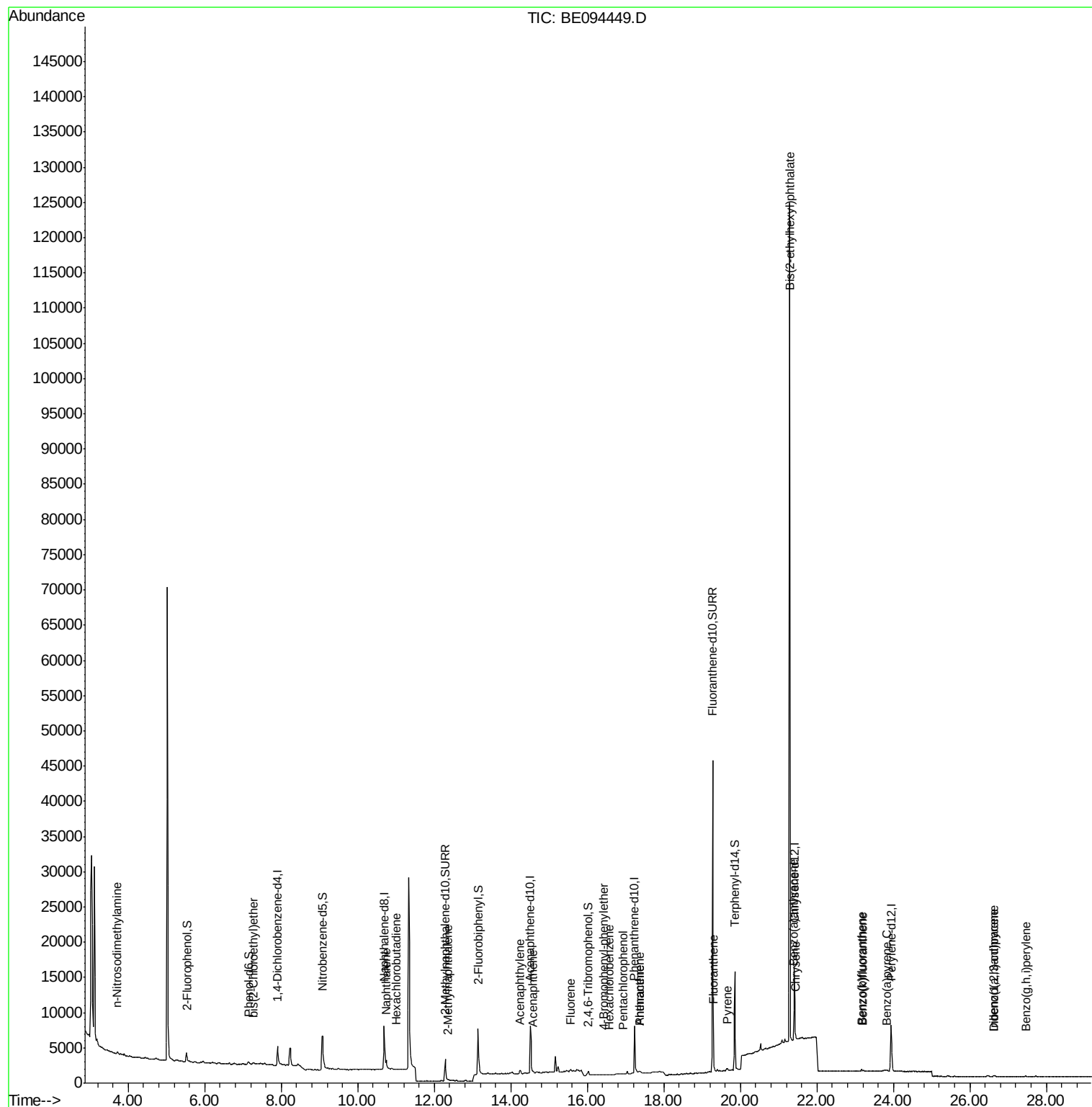
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	36	Below Cal		# 16
3) n-Nitrosodimethylamine	3.71	42	116	0.044	ng	# 5
6) bis(2-Chloroethyl)ether	7.26	93	620	0.106	ng	# 1
9) Naphthalene	10.74	128	2149	0.025	ng	# 89
10) Hexachlorobutadiene	11.01	225	13	0.004	ng	# 66
12) 2-Methylnaphthalene	12.36	142	101	0.007	ng	# 66
16) Acenaphthylene	14.24	152	520	0.021	ng	# 80
17) Acenaphthene	14.57	154	77	0.005	ng	# 49
18) Fluorene	15.56	166	212	0.010	ng	# 32
20) 4-Bromophenyl-phenylether	16.42	248	57	0.009	ng	# 13
21) Hexachlorobenzene	16.58	284	25	0.029	ng	# 38
22) Pentachlorophenol	16.94	266	82	0.221	ng	# 98
23) Phenanthrene	17.37	178	1195	0.025	ng	# 59
24) Anthracene	17.37	178	1252	0.034	ng	# 62
26) Fluoranthene	19.30	202	324	0.006	ng	# 60
28) Pyrene	19.67	202	286	0.007	ng	# 62
30) Benzo(a)anthracene	21.40	228	275	0.008	ng	# 54
31) Chrysene	21.45	228	275	0.008	ng	# 54
32) Bis(2-ethylhexyl)phthalate	21.29	149	150580	1.446	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.63	276	272	0.008	ng	# 71
35) Benzo(b)fluoranthene	23.16	252	357	0.011	ng	# 51
36) Benzo(k)fluoranthene	23.21	252	235	0.007	ng	# 34
37) Benzo(a)pyrene	23.83	252	213	0.007	ng	# 29
38) Dibenzo(a,h)anthracene	26.63	278	153	0.005	ng	# 18
39) Benzo(g,h,i)perylene	27.45	276	191	0.007	ng	# 58

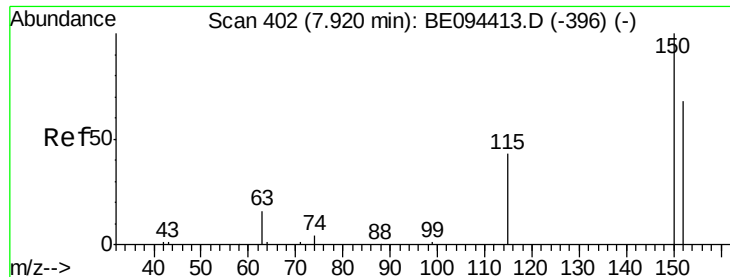
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

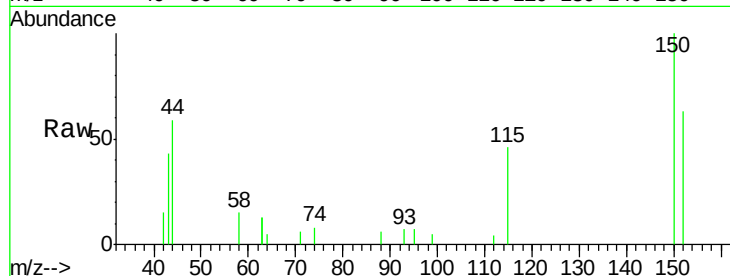
Tgt Ion: 152 Resp: 1502

Ion Ratio Lower Upper

152 100

150 159.2 117.2 175.8

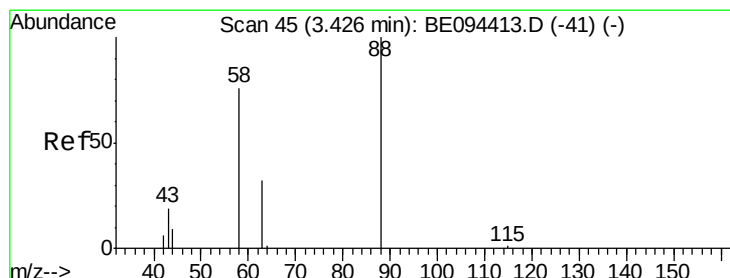
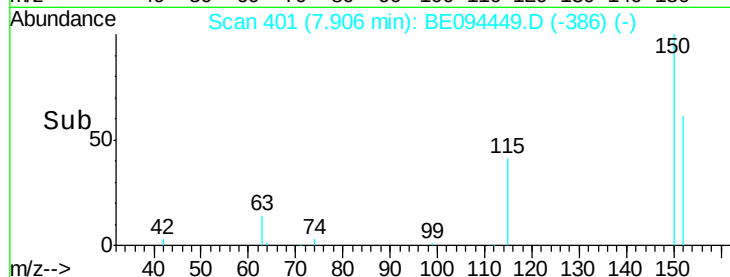
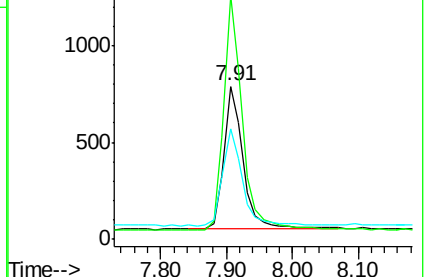
115 72.5 57.0 85.6



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: Below Cal

RT: 3.42 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

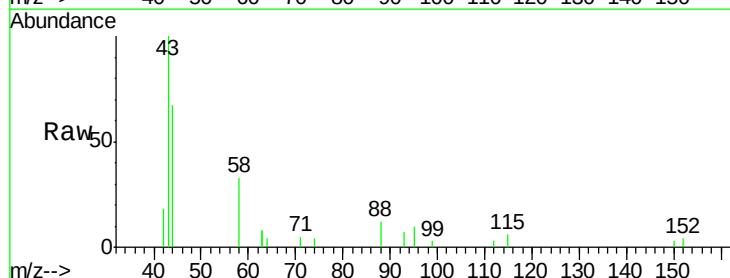
Tgt Ion: 88 Resp: 36

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

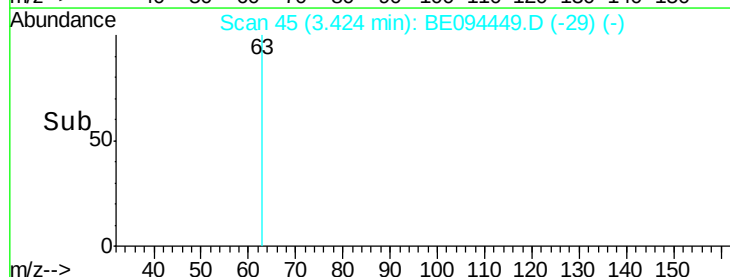
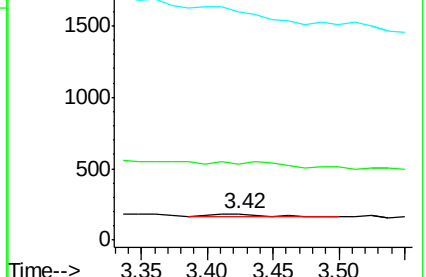
43 0.0 41.2 61.8#

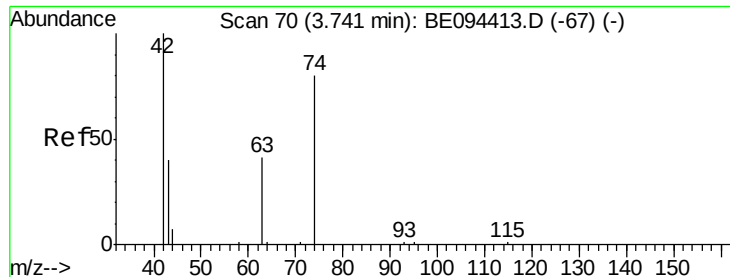


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

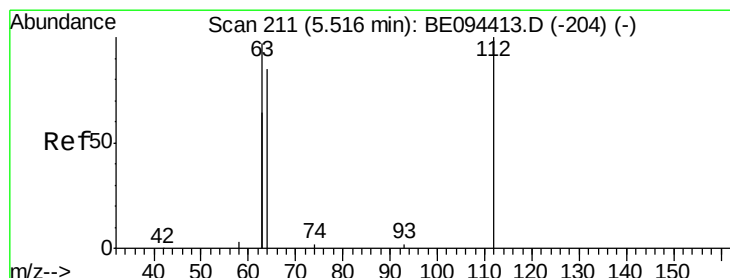
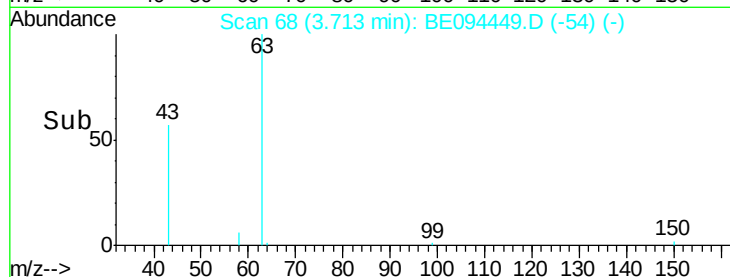
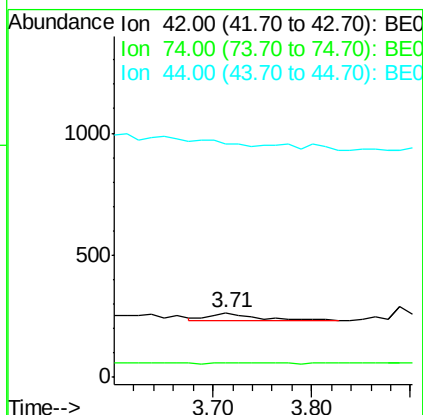
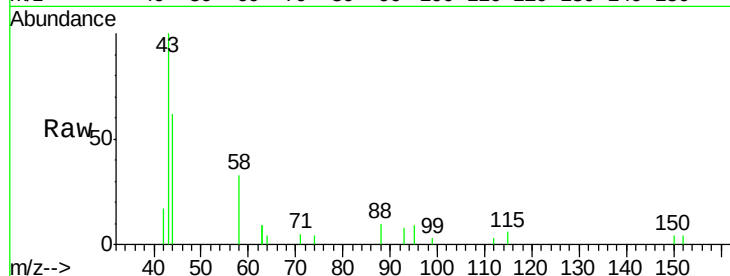




#3
 n-Nitrosodimethylamine
 Concen: 0.044 ng
 RT: 3.71 min Scan# 68
 Delta R.T. -0.03 min
 Lab File: BE094449.D
 Acq: 19 Oct 2017 15:59

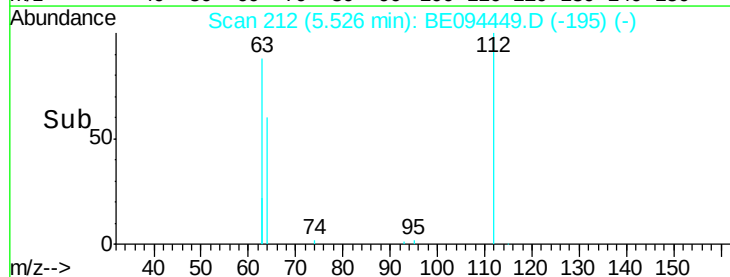
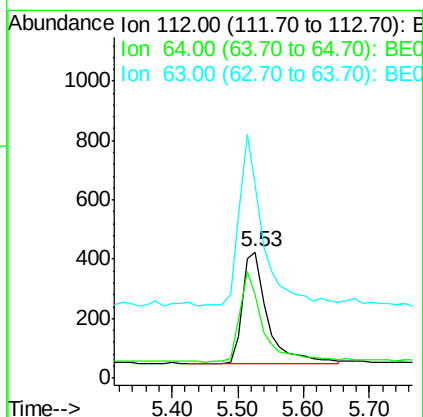
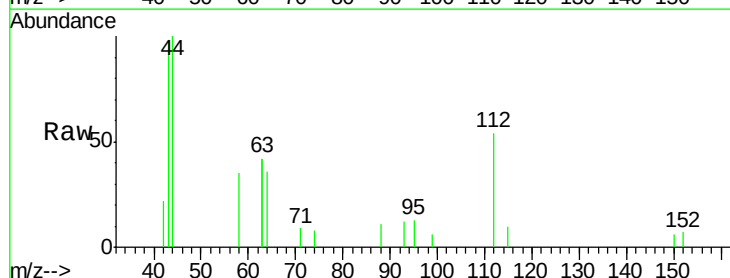
Instrument :
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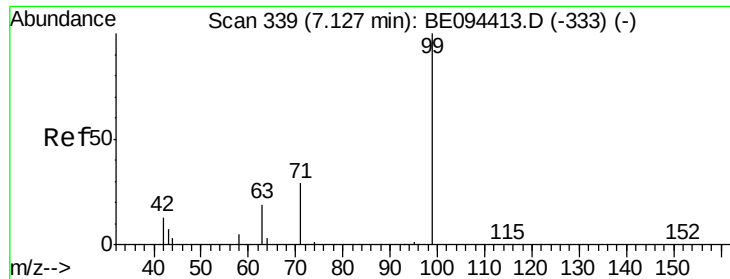
Tgt Ion: 42 Resp: 116
 Ion Ratio Lower Upper
 42 100
 74 6.9 100.3 150.5#
 44 0.0 17.0 25.4#



#4
 2-Fluorophenol
 Concen: 0.198 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: BE094449.D
 Acq: 19 Oct 2017 15:59

Tgt Ion: 112 Resp: 1003
 Ion Ratio Lower Upper
 112 100
 64 74.7 60.1 90.1
 63 139.6 116.8 175.2





#5

Phenol-d6

Concen: 0.108 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

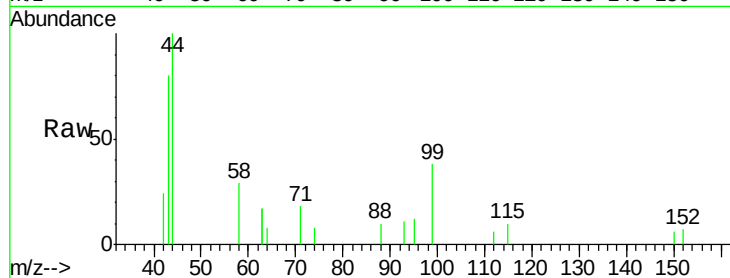
Tgt Ion: 99 Resp: 857

Ion Ratio Lower Upper

99 100

42 15.6 20.2 30.2#

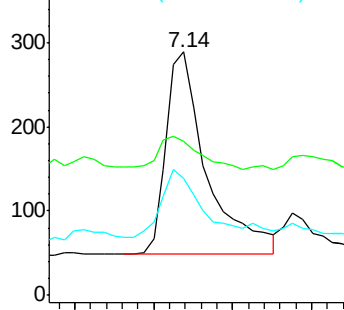
71 36.4 28.4 42.6



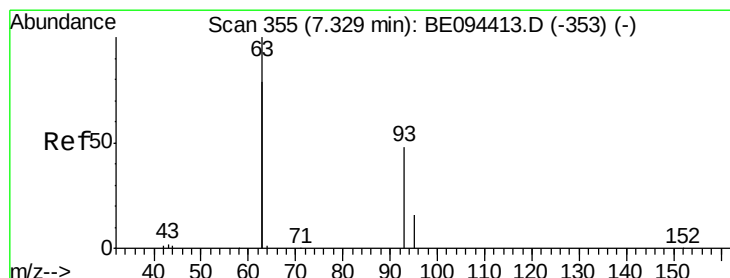
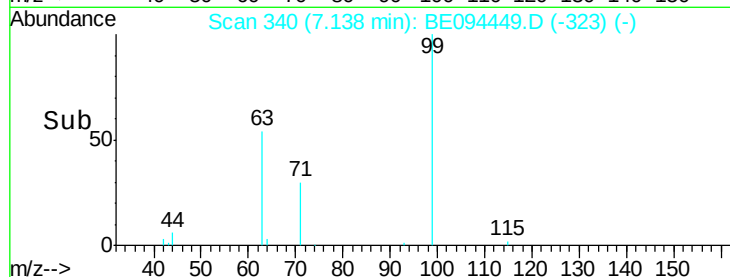
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.106 ng

RT: 7.26 min Scan# 350

Delta R.T. -0.07 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

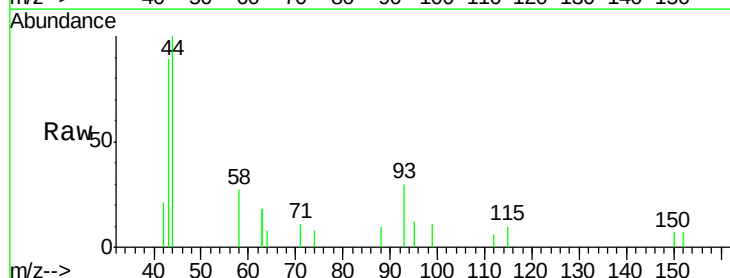
Tgt Ion: 93 Resp: 620

Ion Ratio Lower Upper

93 100

63 21.1 275.3 412.9#

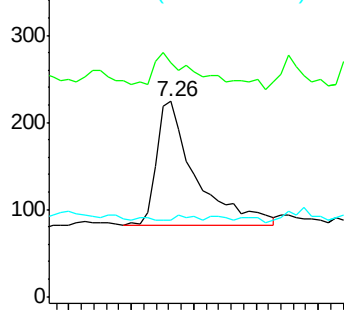
95 0.0 25.2 37.8#



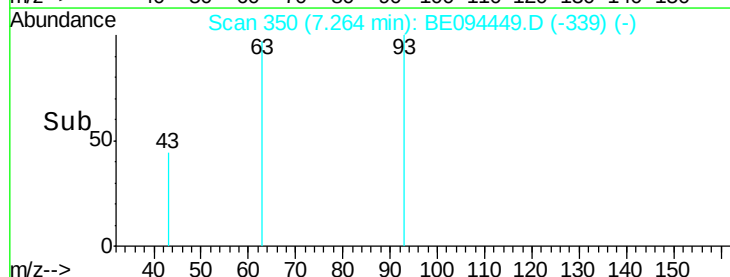
Abundance Ion 93.00 (92.70 to 93.70): BE0

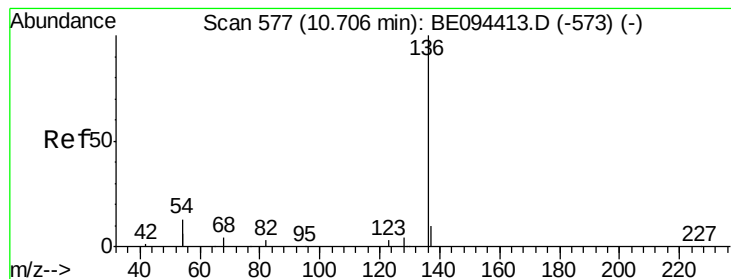
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

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Tgt Ion: 136 Resp: 7834

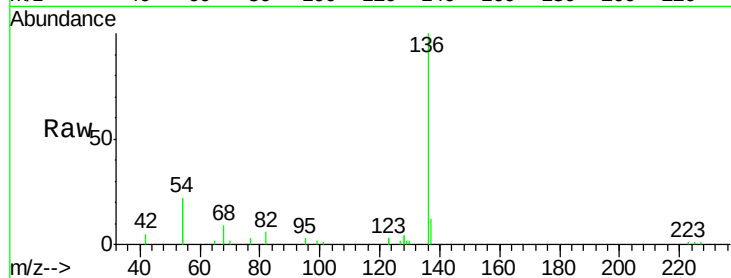
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 44.7 29.1 43.7#

68 9.0 6.2 9.2

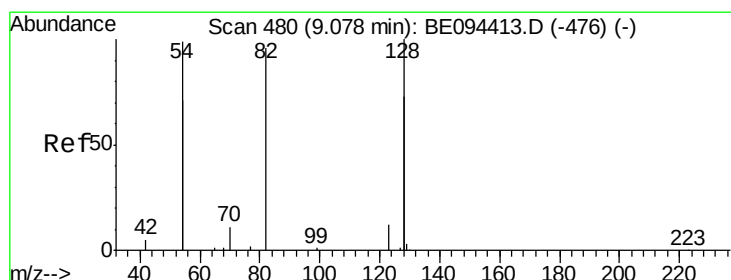
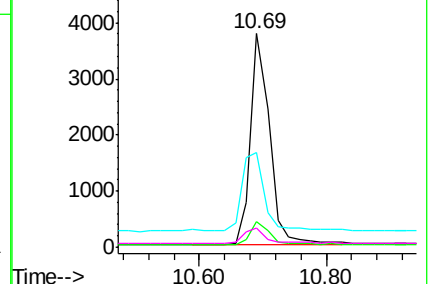
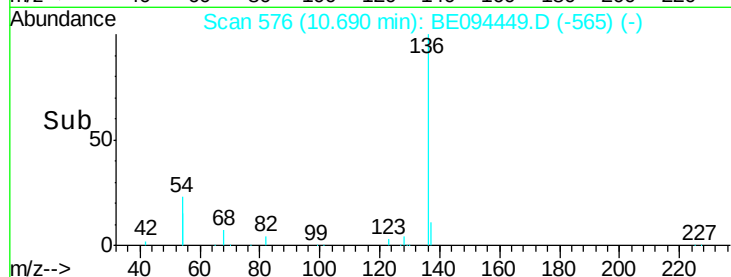


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.475 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

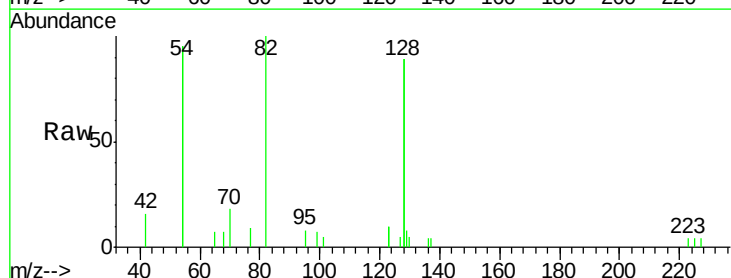
Tgt Ion: 82 Resp: 3232

Ion Ratio Lower Upper

82 100

128 177.8 150.0 225.0

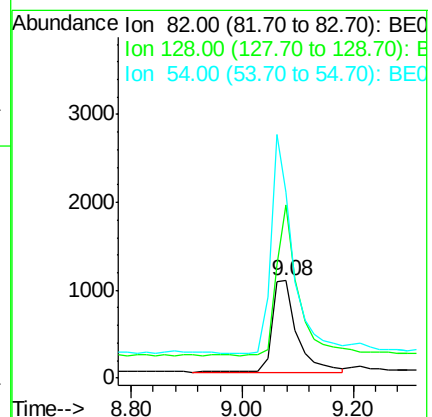
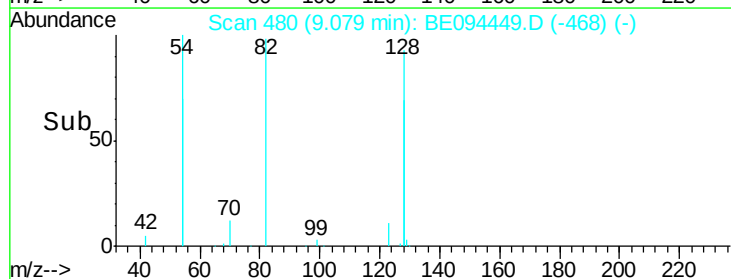
54 190.3 154.2 231.4

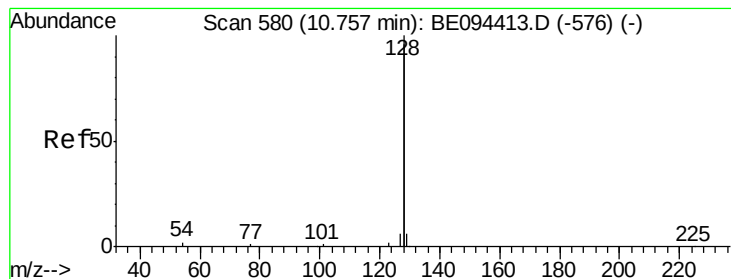


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.025 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

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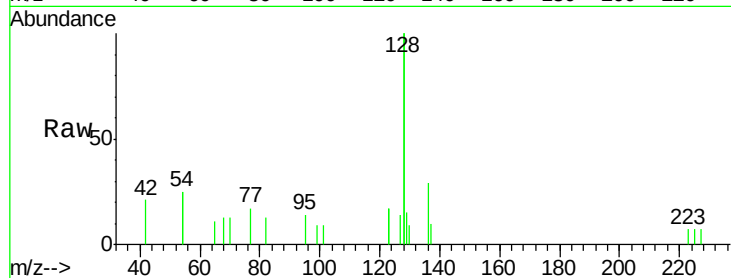
Tgt Ion:128 Resp: 2149

Ion Ratio Lower Upper

128 100

129 7.4 2.6 3.8#

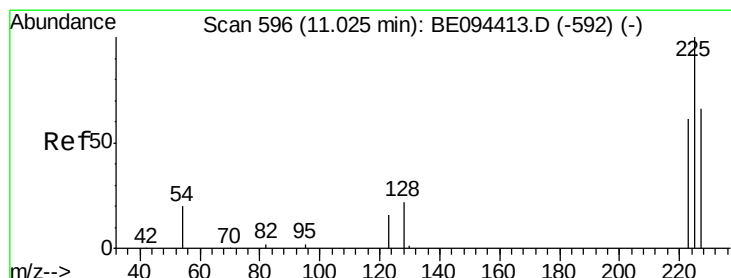
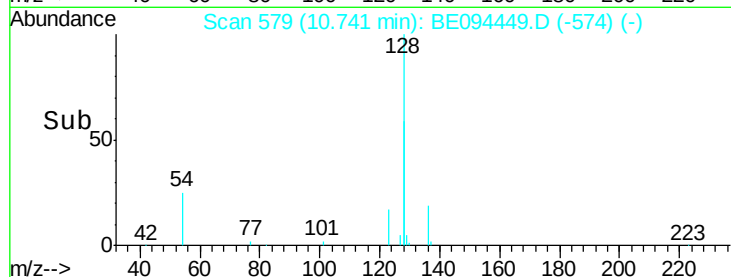
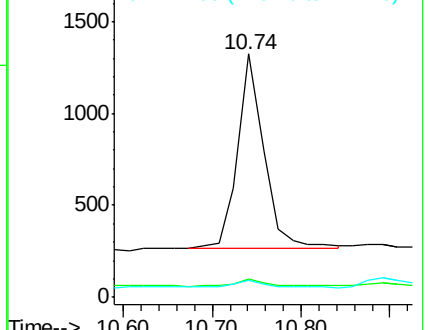
127 6.8 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.004 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

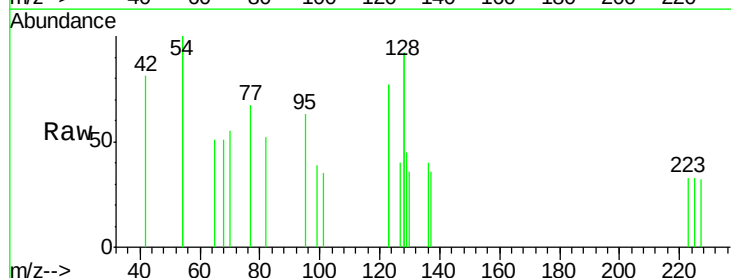
Tgt Ion:225 Resp: 13

Ion Ratio Lower Upper

225 100

223 38.5 53.0 79.6#

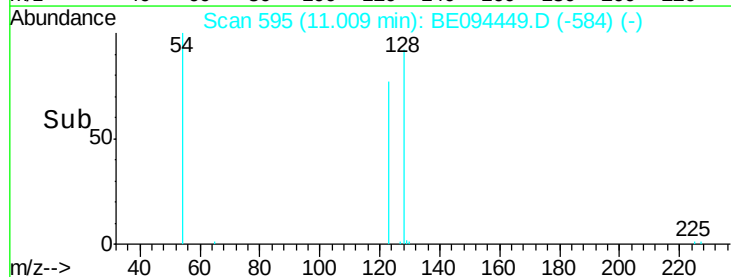
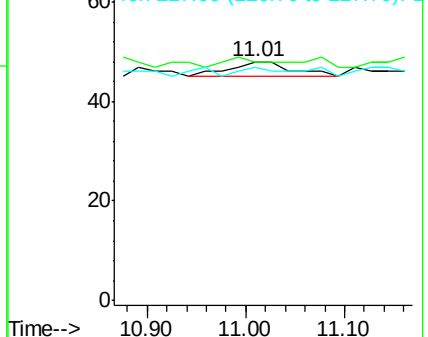
227 38.5 51.4 77.2#

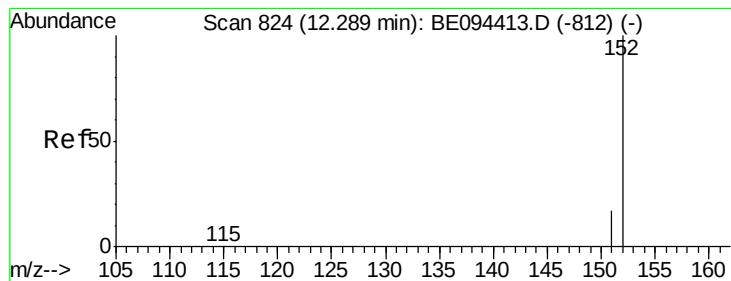


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.480 ng

RT: 12.28 min Scan# 823

Delta R.T. -0.00 min

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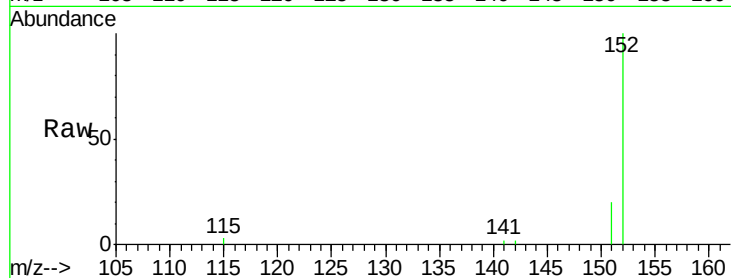
3903-PP1-DUP

Tgt Ion:152 Resp: 5799

Ion Ratio Lower Upper

152 100

151 18.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

3000

2500

2000

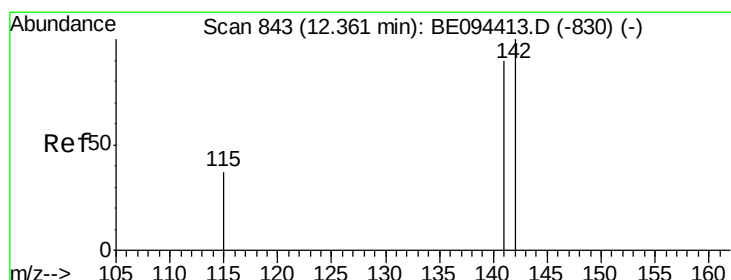
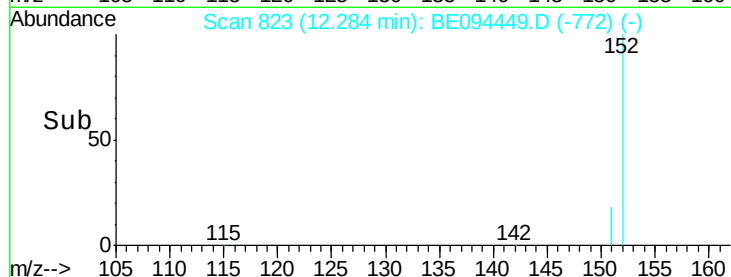
1500

1000

500

0

Time--> 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.007 ng

RT: 12.36 min Scan# 842

Delta R.T. -0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

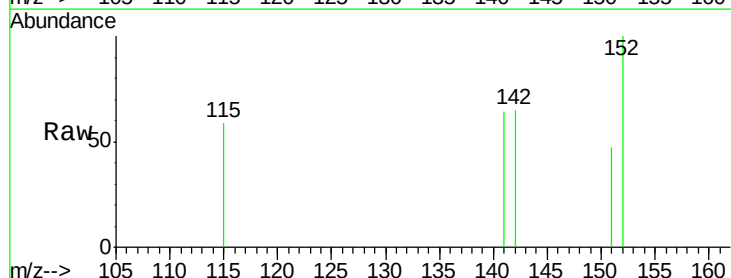
Tgt Ion:142 Resp: 101

Ion Ratio Lower Upper

142 100

141 99.0 70.4 105.6

115 91.1 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

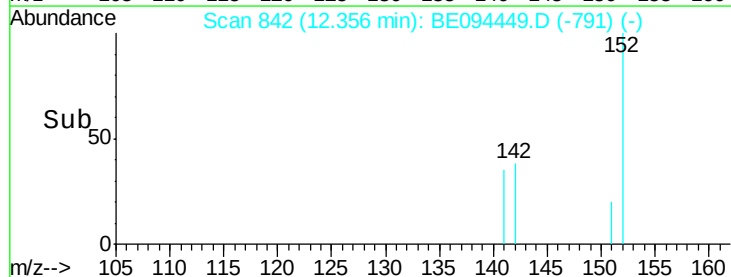
12.36

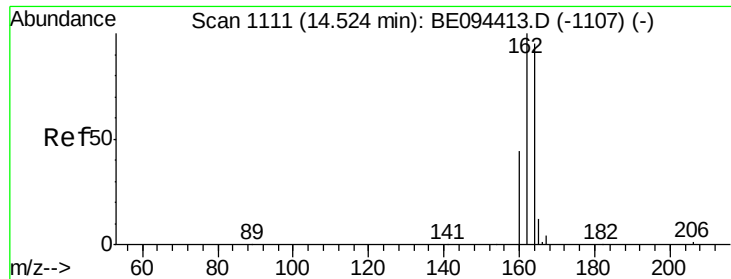
100

50

0

Time--> 12.30 12.35 12.40

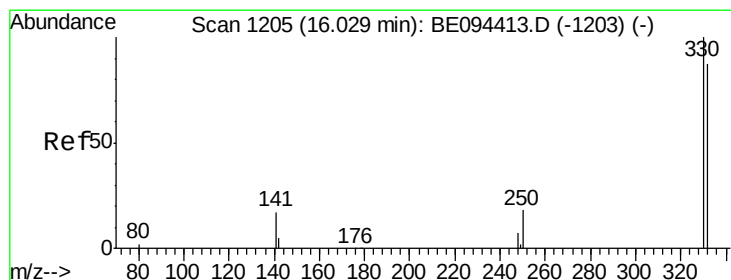
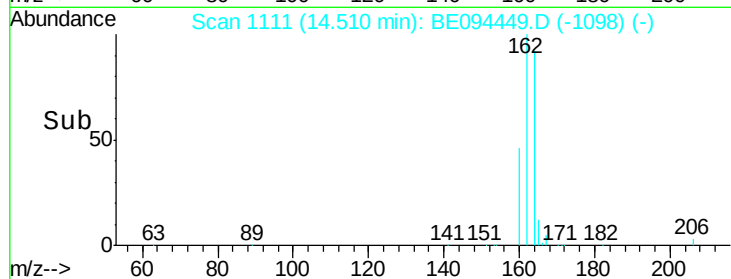
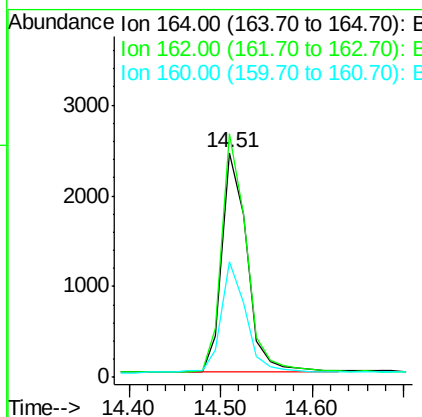
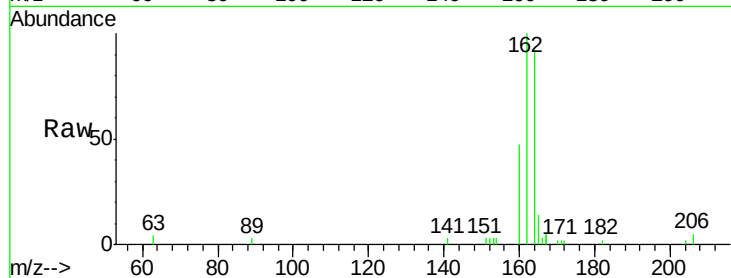




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BE094449.D
Acq: 19 Oct 2017 15:59

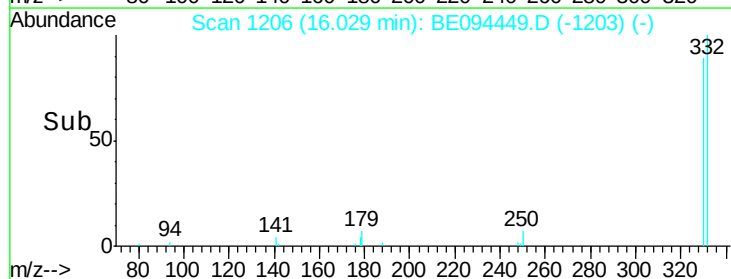
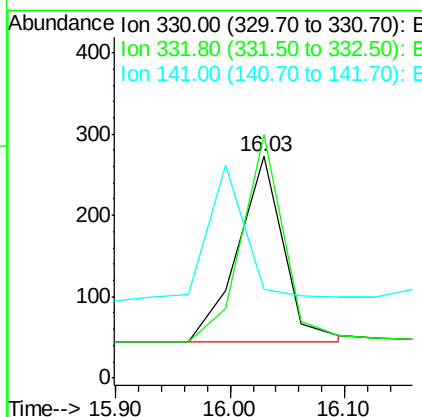
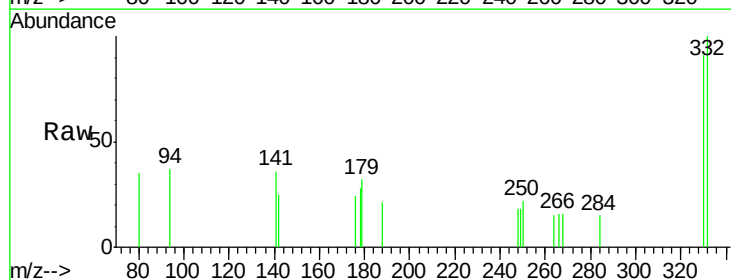
Instrument :
BNA_E
ClientSampleId :
3903-PP1-DUP

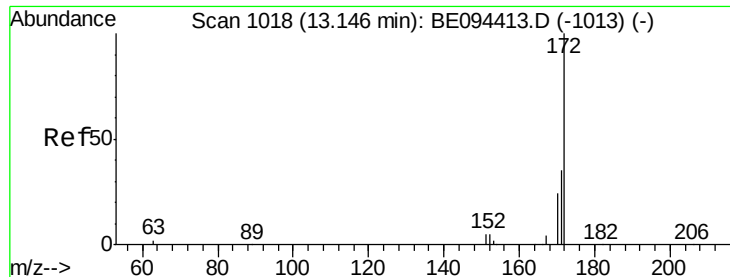
Tgt Ion:164 Resp: 4630
Ion Ratio Lower Upper
164 100
162 108.4 83.1 124.7
160 51.5 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094449.D
Acq: 19 Oct 2017 15:59

Tgt Ion:330 Resp: 634
Ion Ratio Lower Upper
330 100
332 101.7 152.7 229.1#
141 0.0 33.7 50.5#

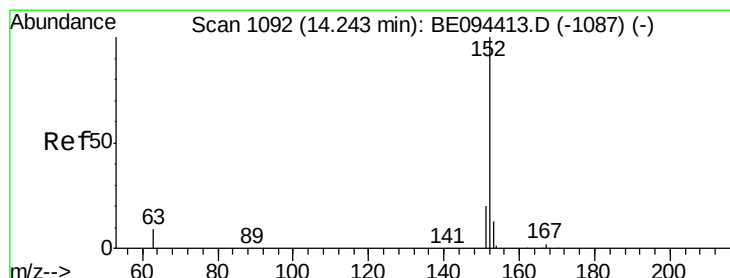
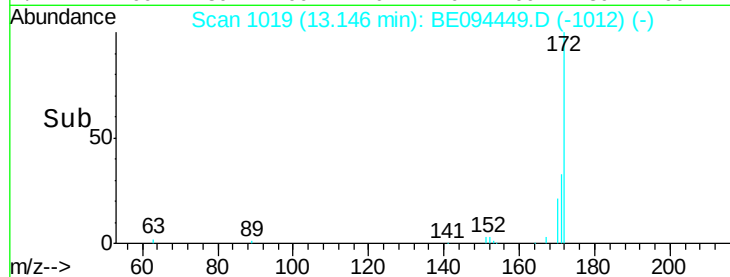
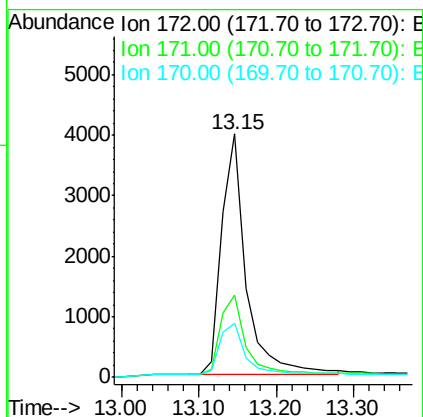
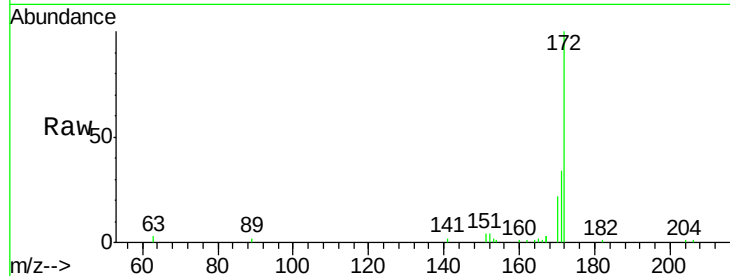




#15
2-Fluorobiphenyl
Concen: 0.527 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094449.D
Acq: 19 Oct 2017 15:59

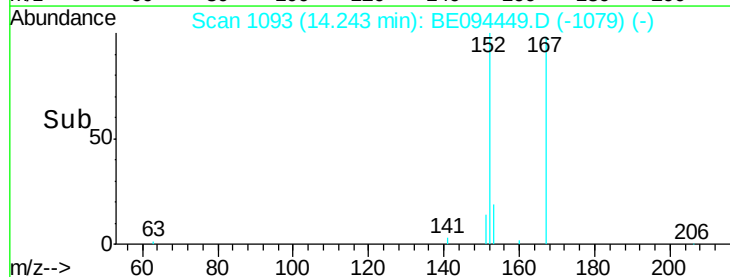
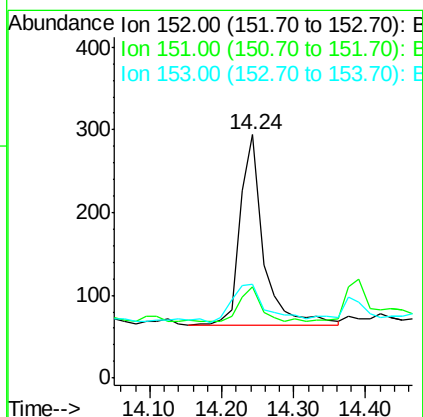
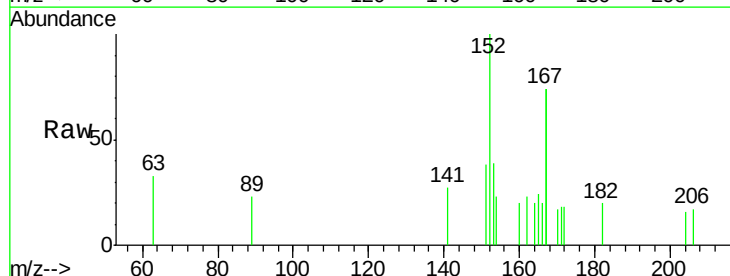
Instrument :
BNA_E
ClientSampleId :
3903-PP1-DUP

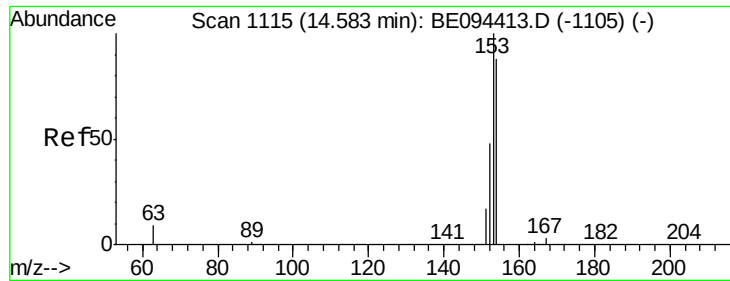
Tgt Ion:172 Resp: 8710
Ion Ratio Lower Upper
172 100
171 33.9 29.9 44.9
170 22.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.021 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094449.D
Acq: 19 Oct 2017 15:59

Tgt Ion:152 Resp: 520
Ion Ratio Lower Upper
152 100
151 17.1 15.7 23.5
153 30.0 10.5 15.7#

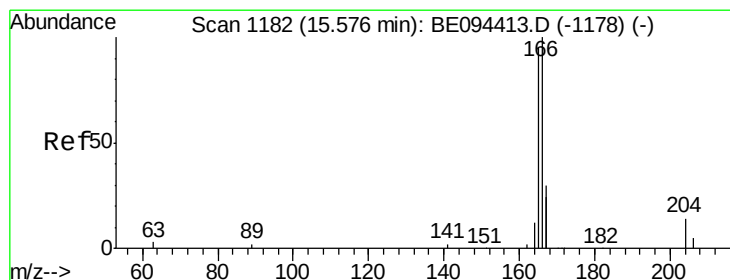
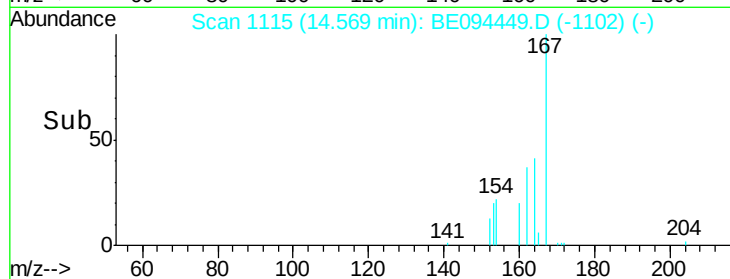
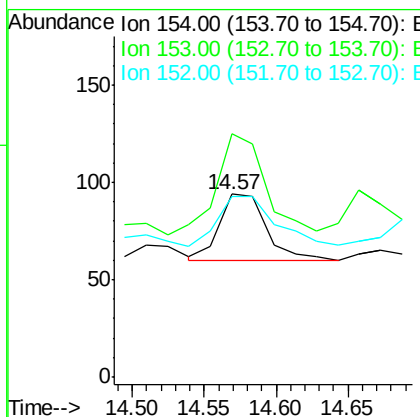
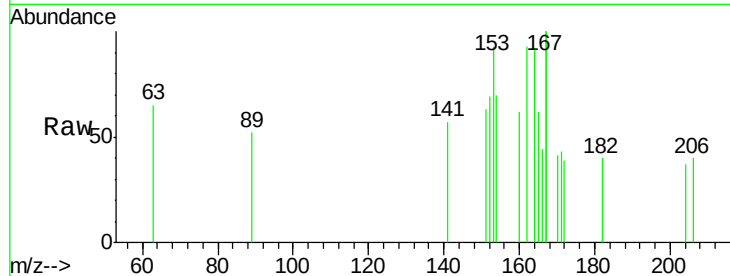




#17
Acenaphthene
Concen: 0.005 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BE094449.D
Acq: 19 Oct 2017 15:59

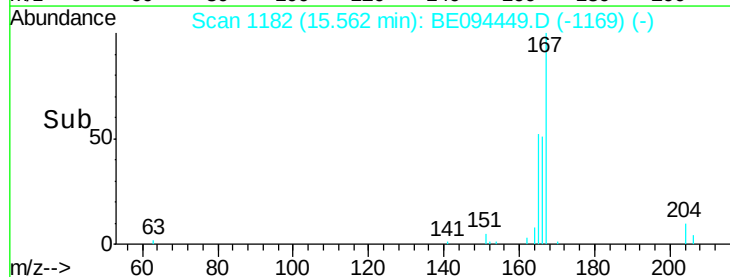
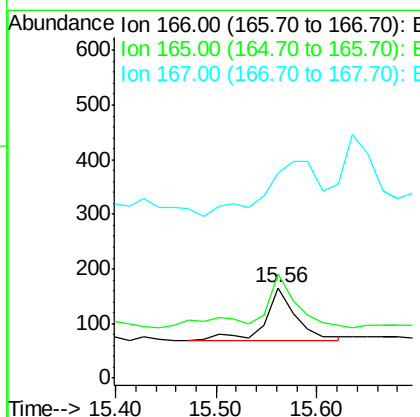
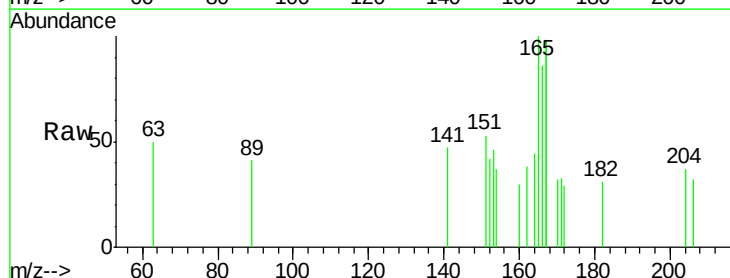
Instrument :
BNA_E
ClientSampleId :
3903-PP1-DUP

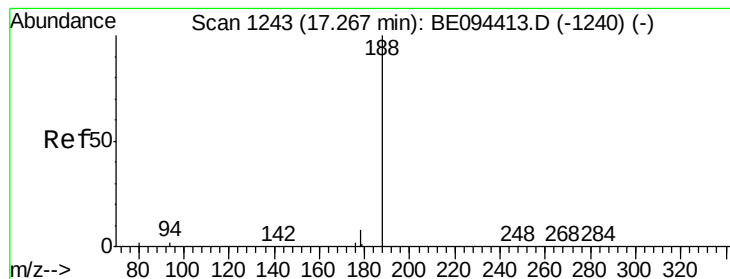
Tgt Ion:154 Resp: 77
Ion Ratio Lower Upper
154 100
153 161.0 89.2 133.8#
152 96.1 42.0 63.0#



#18
Fluorene
Concen: 0.010 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BE094449.D
Acq: 19 Oct 2017 15:59

Tgt Ion:166 Resp: 212
Ion Ratio Lower Upper
166 100
165 87.7 77.8 116.6
167 177.8 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

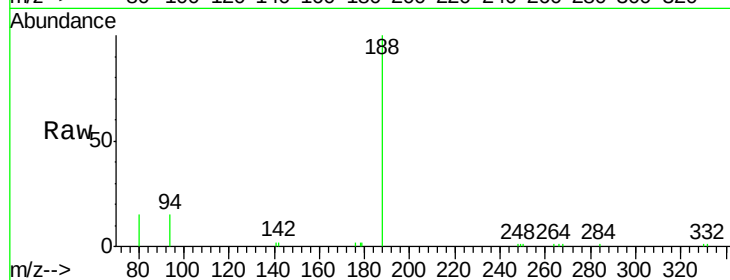
Tgt Ion:188 Resp: 12020

Ion Ratio Lower Upper

188 100

94 14.5 3.9 5.9#

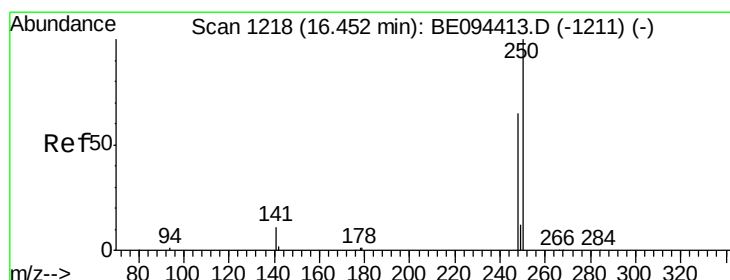
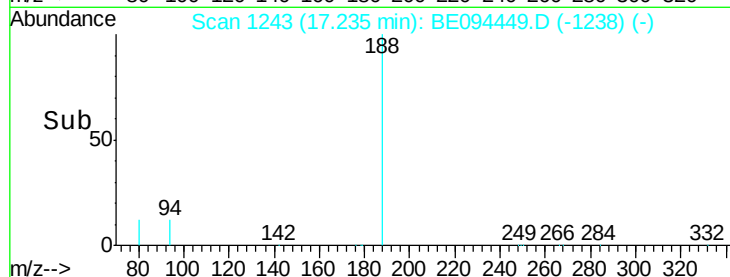
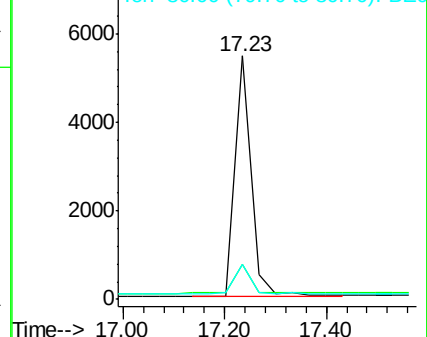
80 14.6 3.6 5.4#



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: 0.009 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

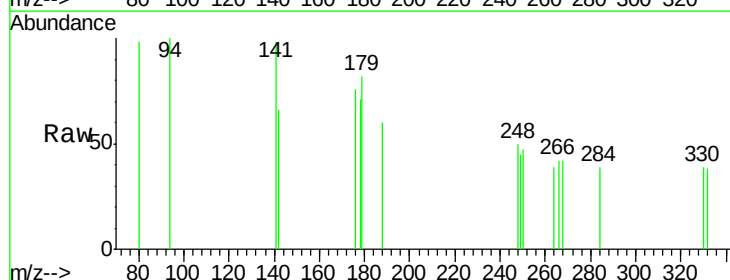
Tgt Ion:248 Resp: 57

Ion Ratio Lower Upper

248 100

250 93.3 62.7 94.1

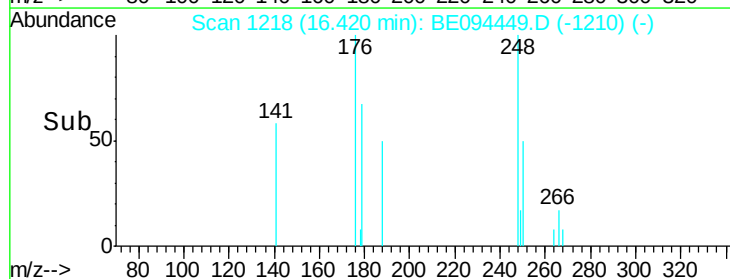
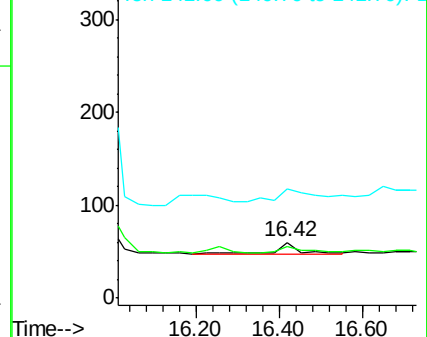
141 195.0 48.2 72.2#

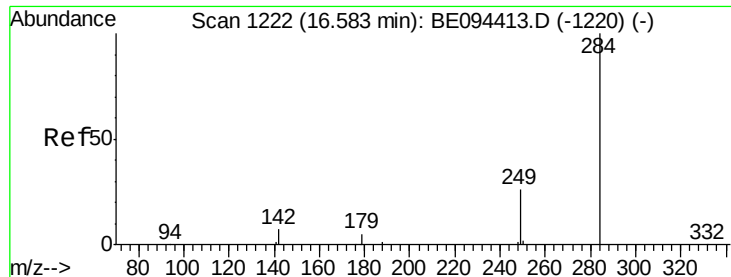


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

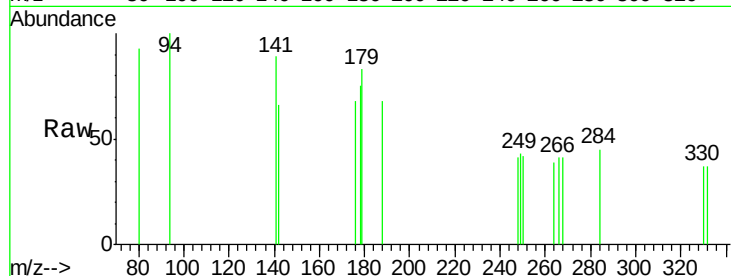




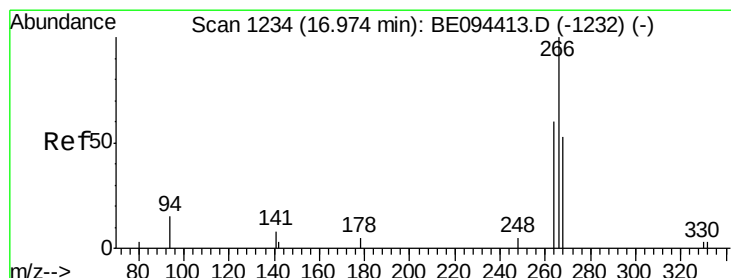
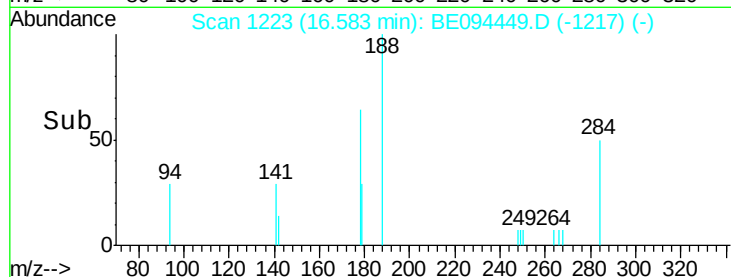
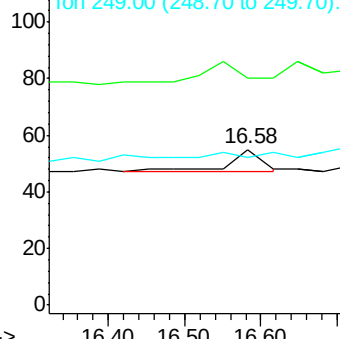
#21
Hexachlorobenzene
Concen: 0.029 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094449.D
Acq: 19 Oct 2017 15:59

Instrument :
BNA_E
ClientSampleId :
3903-PP1-DUP

Tgt Ion: 284 Resp: 25
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 0.0 34.8 52.2#

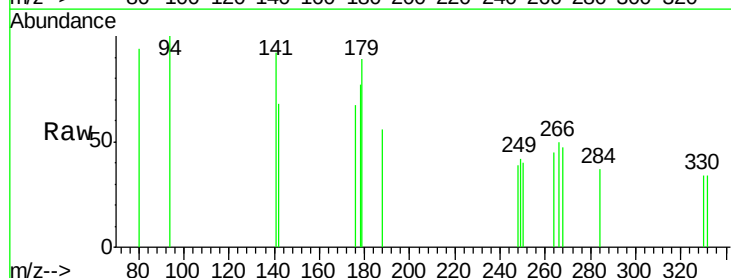


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

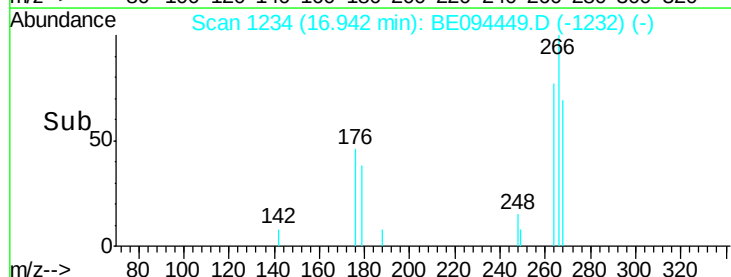
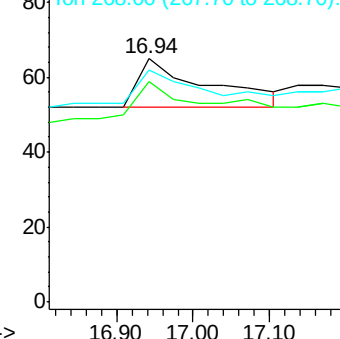


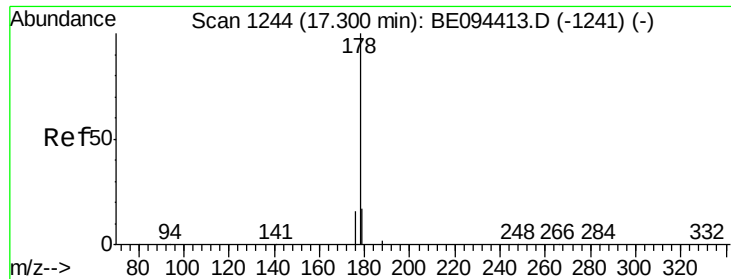
#22
Pentachlorophenol
Concen: 0.221 ng
RT: 16.94 min Scan# 1234
Delta R.T. -0.03 min
Lab File: BE094449.D
Acq: 19 Oct 2017 15:59

Tgt Ion: 266 Resp: 82
Ion Ratio Lower Upper
266 100
264 90.8 72.5 108.7
268 95.4 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





#23

Phenanthrene

Concen: 0.025 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.07 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

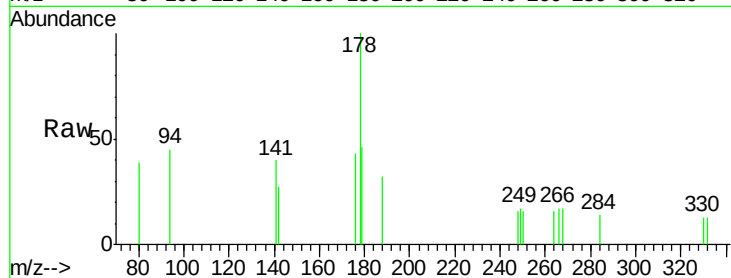
Tgt Ion:178 Resp: 1195

Ion Ratio Lower Upper

178 100

176 39.1 15.1 22.7#

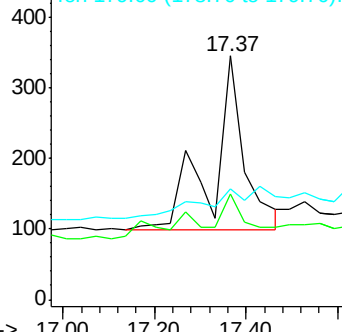
179 0.0 11.8 17.6#



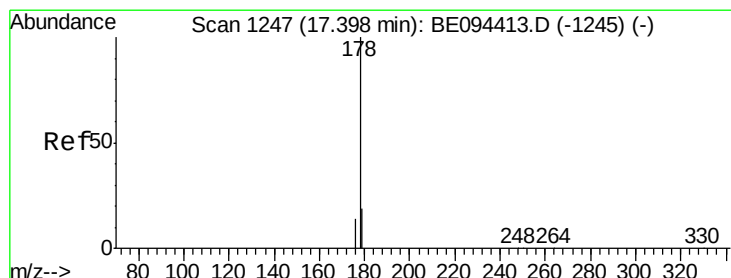
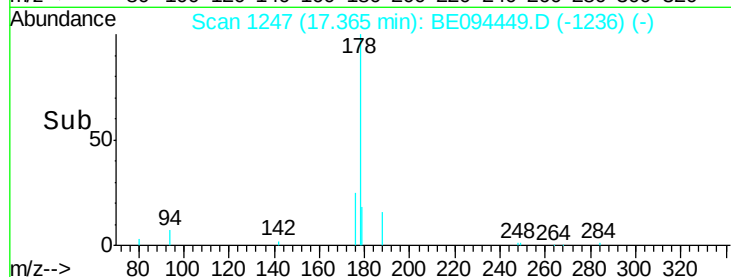
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.034 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

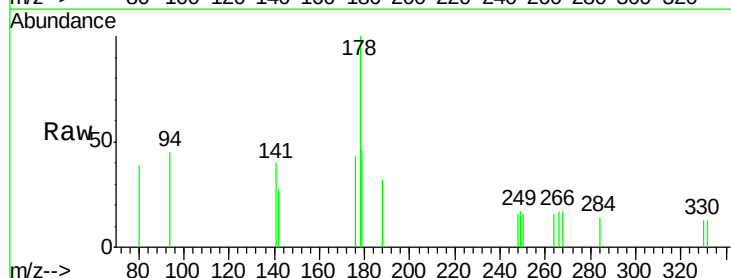
Tgt Ion:178 Resp: 1252

Ion Ratio Lower Upper

178 100

176 32.0 12.8 19.2#

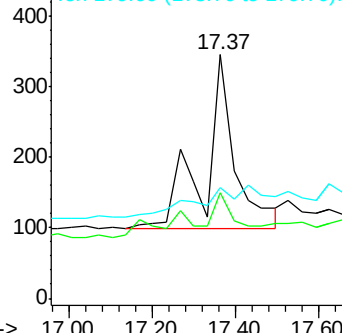
179 0.0 13.0 19.6#



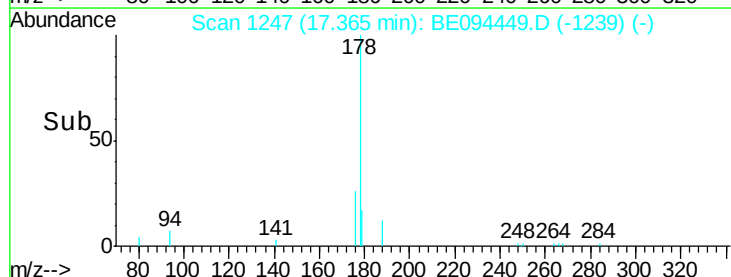
Abundance Ion 178.00 (177.70 to 178.70): E

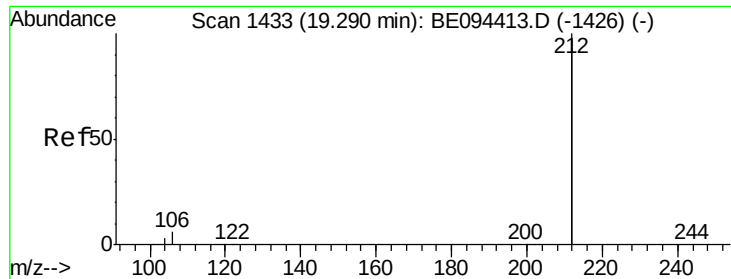
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.301 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

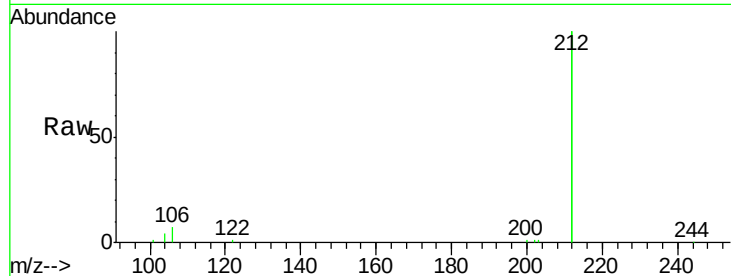
Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

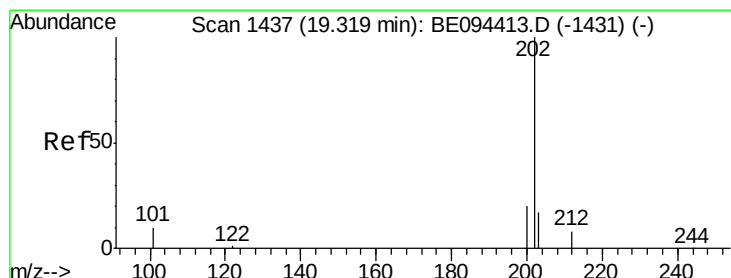
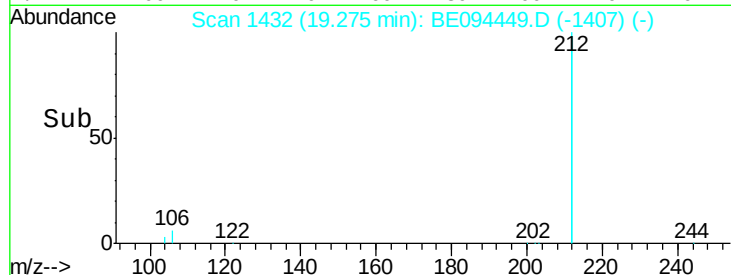
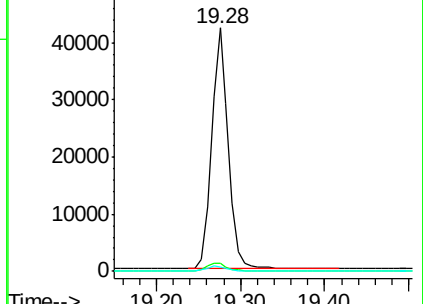
Tgt Ion:	212	Resp:	58221
Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	2.0	1.6	2.4



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: 0.006 ng

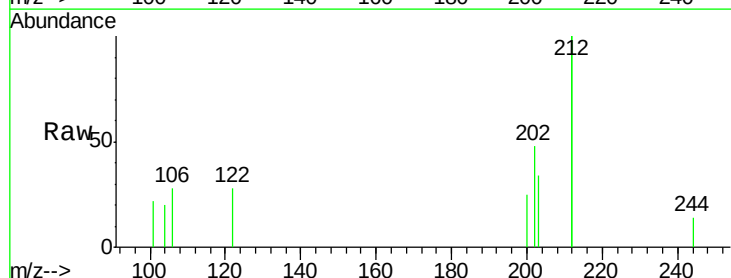
RT: 19.30 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

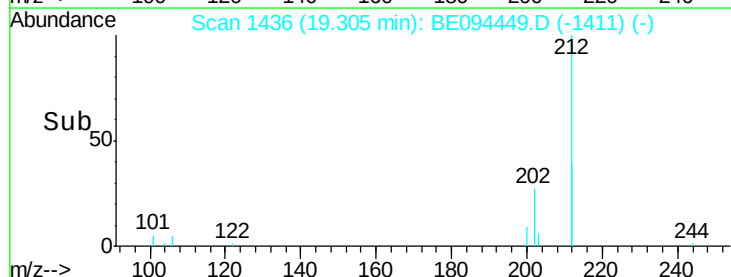
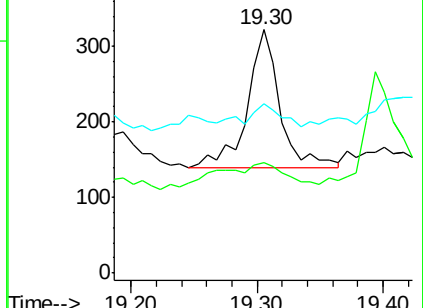
Tgt Ion:	202	Resp:	324
Ion	Ratio	Lower	Upper
202	100		
101	44.4	9.8	14.8#
203	12.7	13.7	20.5#

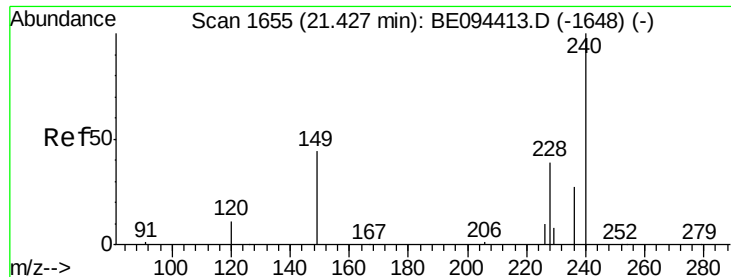


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

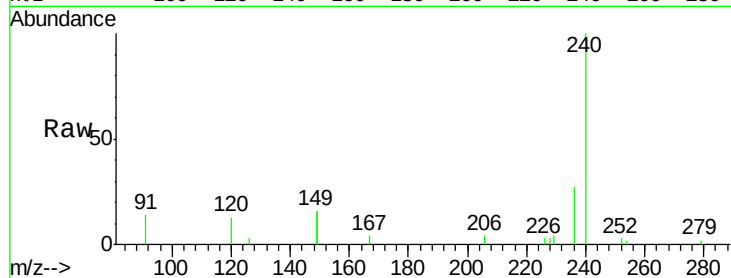
Tgt Ion:240 Resp: 10458

Ion Ratio Lower Upper

240 100

120 13.2 5.5 8.3#

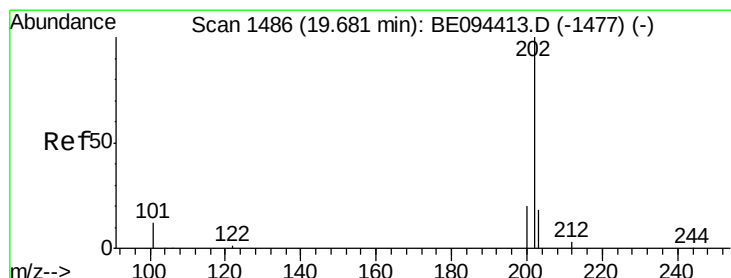
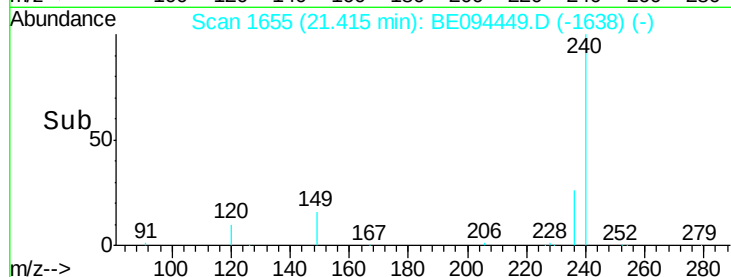
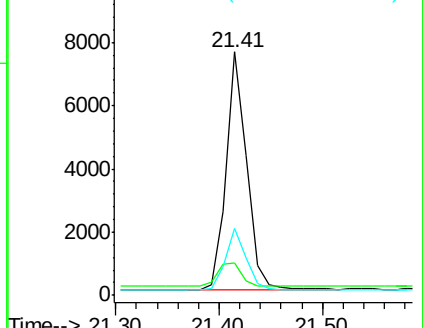
236 27.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.007 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

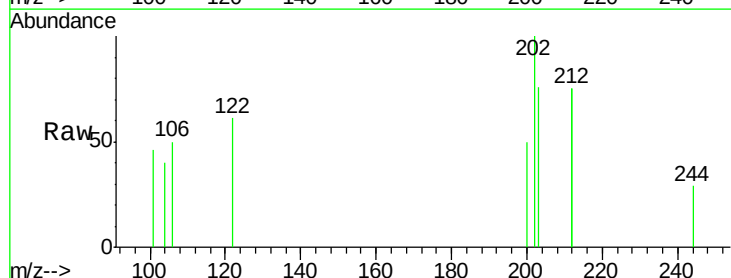
Tgt Ion:202 Resp: 286

Ion Ratio Lower Upper

202 100

200 25.5 16.6 25.0#

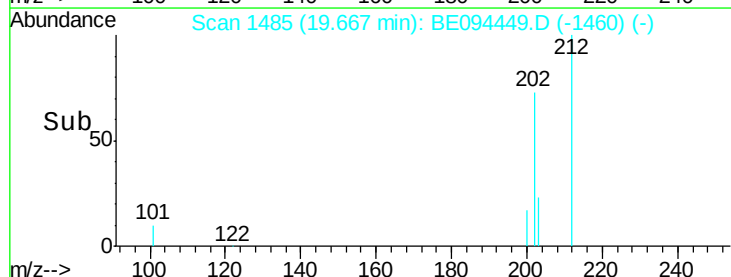
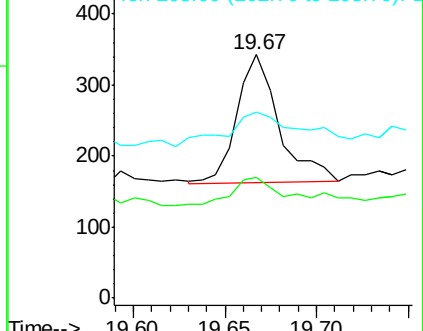
203 48.3 13.8 20.8#

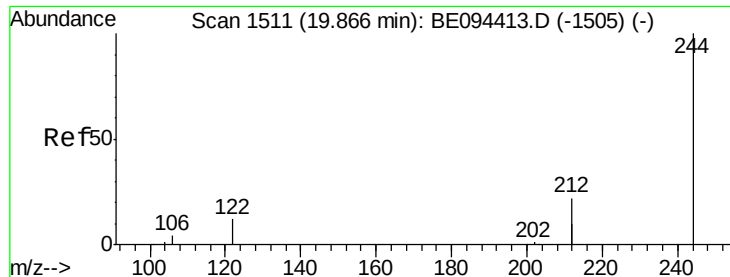


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.598 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

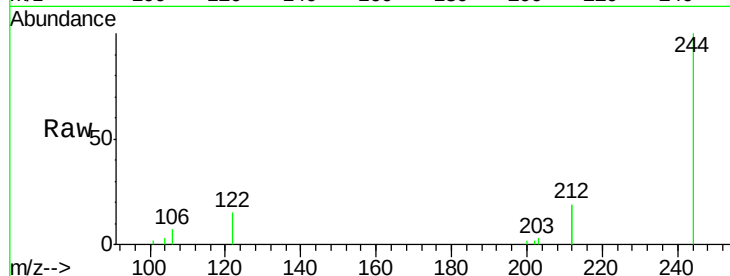
Tgt Ion:244 Resp: 12625

Ion Ratio Lower Upper

244 100

212 38.1 25.4 38.0#

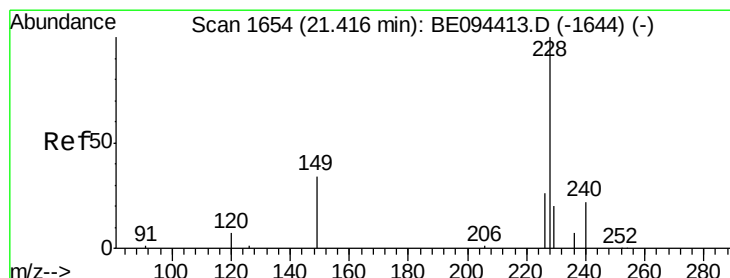
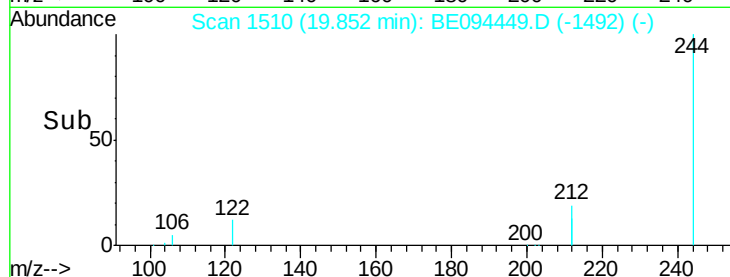
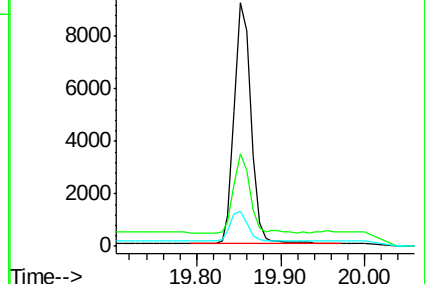
122 14.6 8.1 12.1#



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: 0.008 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

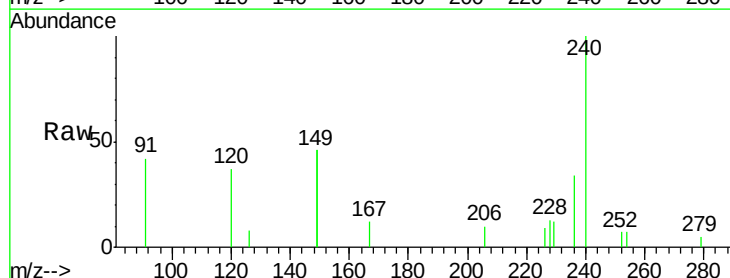
Tgt Ion:228 Resp: 275

Ion Ratio Lower Upper

228 100

226 72.7 40.0 60.0#

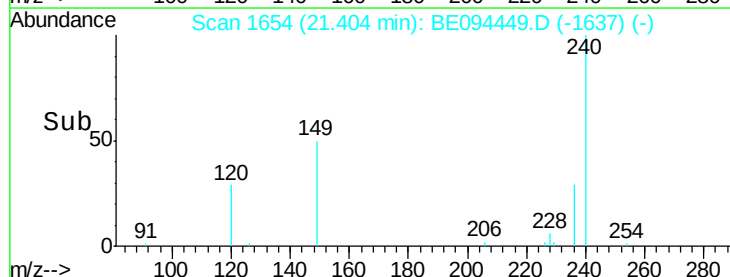
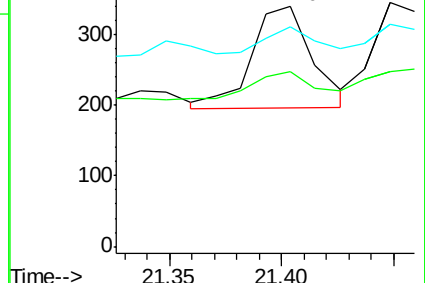
229 91.2 40.0 60.0#

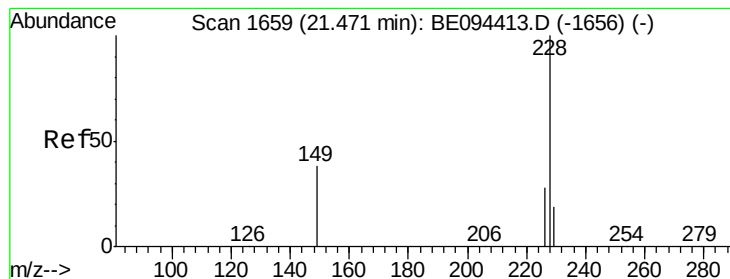


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.008 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.02 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

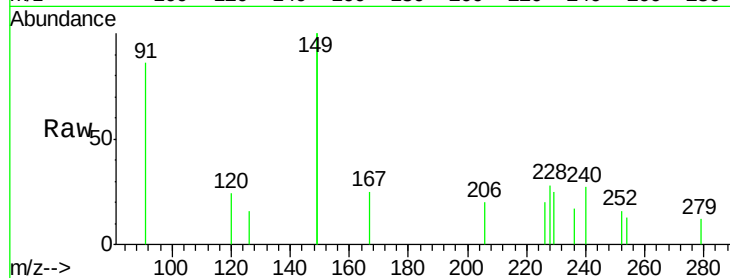
Tgt Ion: 228 Resp: 275

Ion Ratio Lower Upper

228 100

226 71.7 40.0 60.0#

229 91.3 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

21.45

300

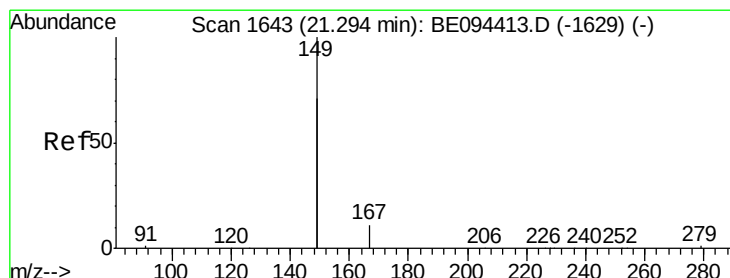
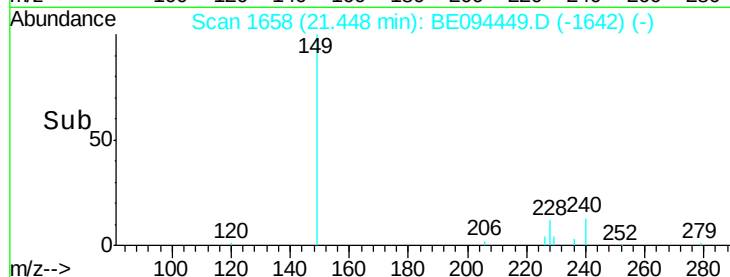
200

100

0

21.40 21.45 21.50

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.446 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

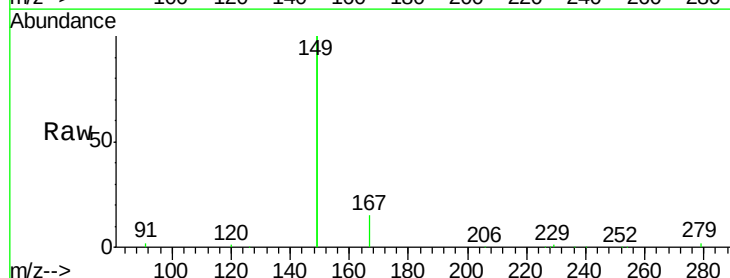
Tgt Ion: 149 Resp: 150580

Ion Ratio Lower Upper

149 100

167 6.7 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

21.29

150000

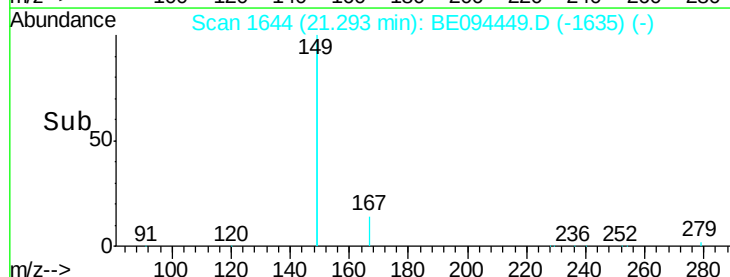
100000

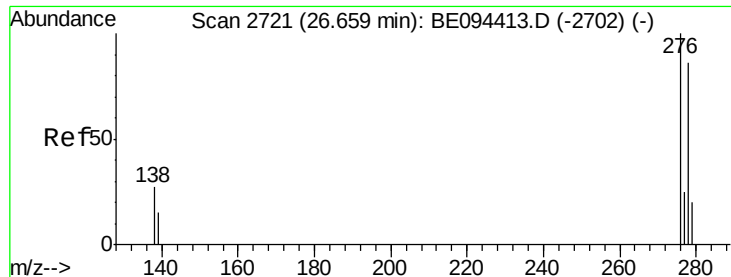
50000

0

21.20 21.30

Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.008 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094449.D

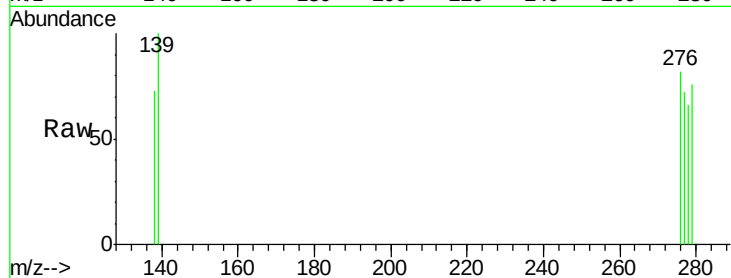
Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP



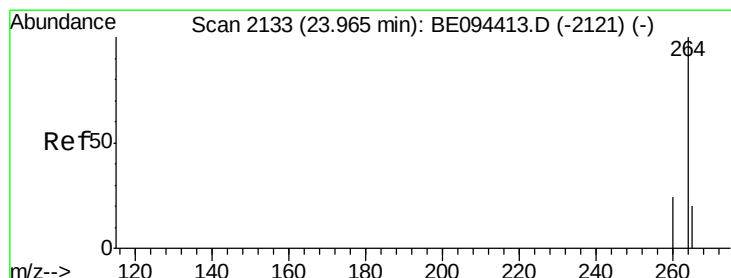
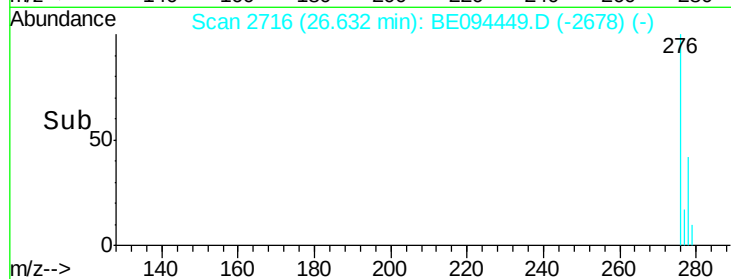
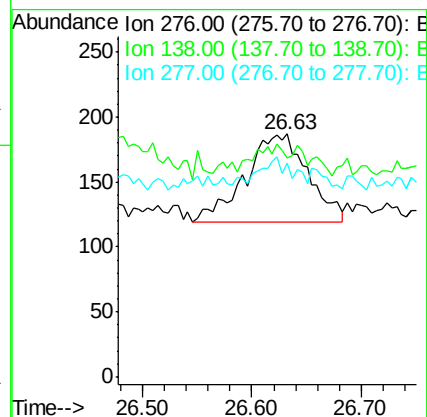
Tgt Ion:276 Resp: 272

Ion Ratio Lower Upper

276 100

138 8.8 22.5 33.7#

277 15.1 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2129

Delta R.T. -0.02 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

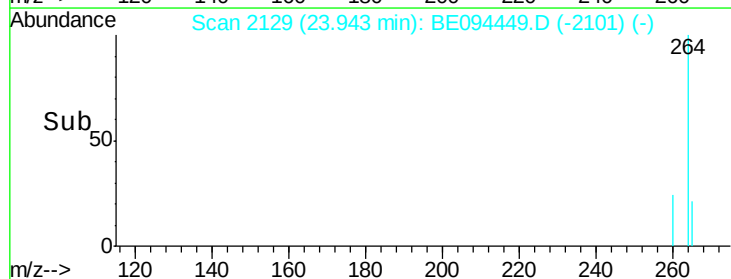
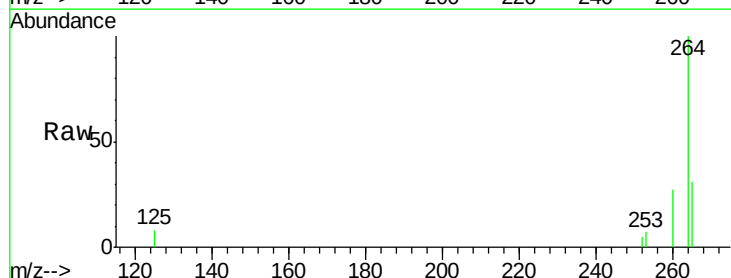
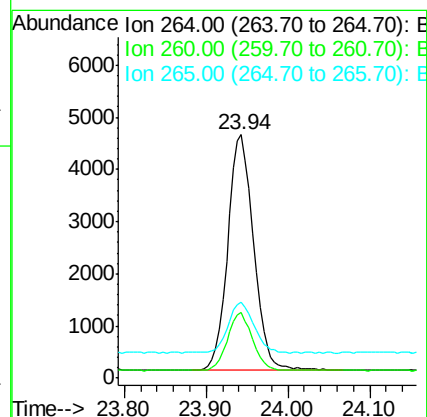
Tgt Ion:264 Resp: 9916

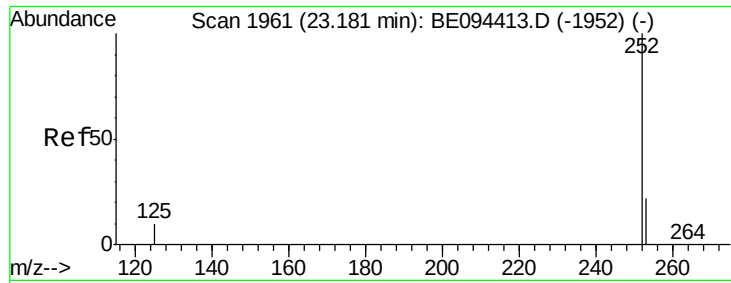
Ion Ratio Lower Upper

264 100

260 26.7 20.5 30.7

265 31.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.011 ng

RT: 23.16 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

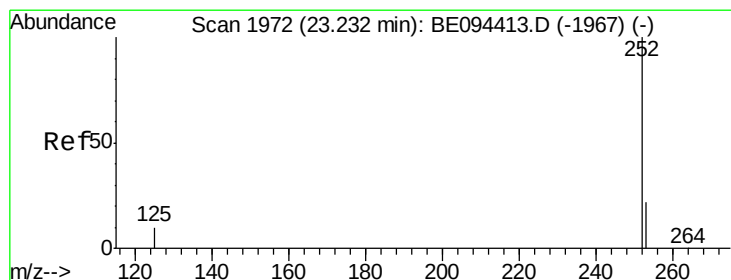
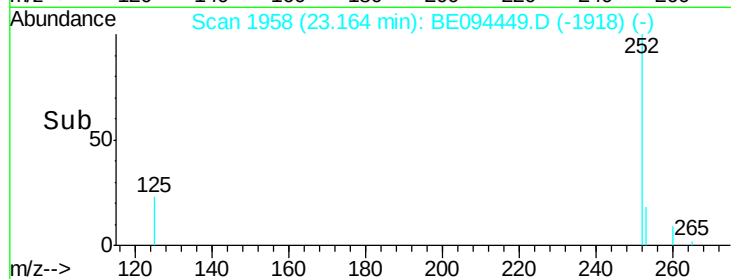
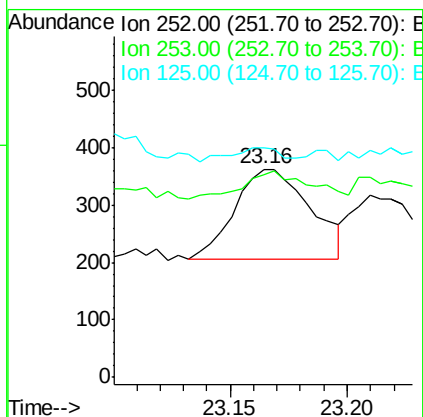
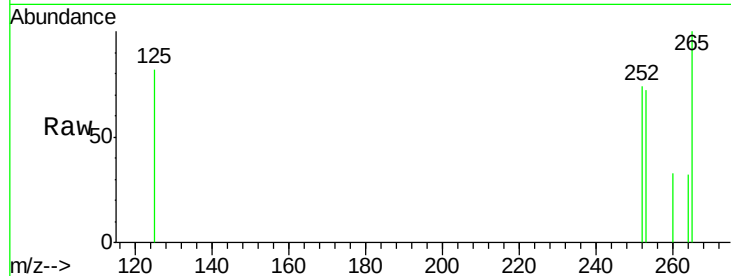
Tgt Ion:252 Resp: 357

Ion Ratio Lower Upper

252 100

253 97.0 48.0 72.0#

125 110.5 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.007 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

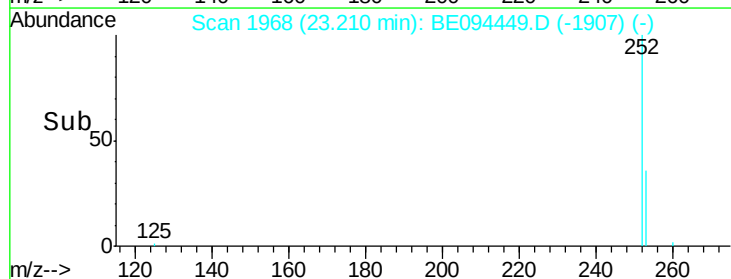
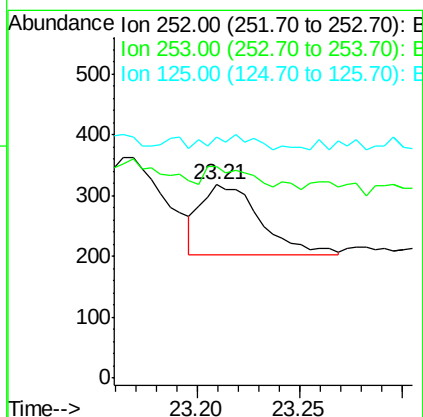
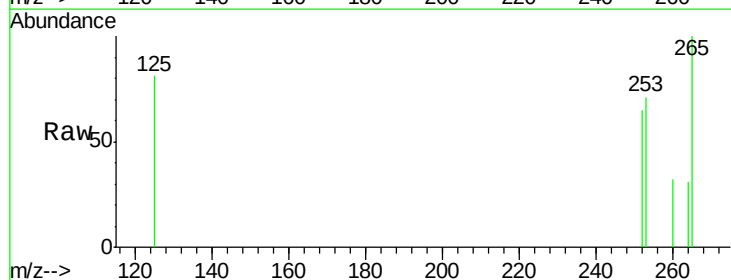
Tgt Ion:252 Resp: 235

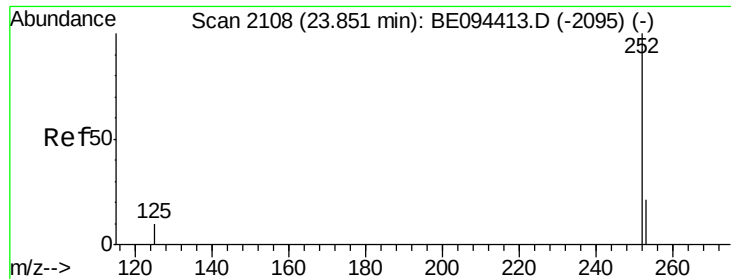
Ion Ratio Lower Upper

252 100

253 109.4 48.0 72.0#

125 124.5 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.007 ng

RT: 23.83 min Scan# 2104

Delta R.T. -0.02 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP

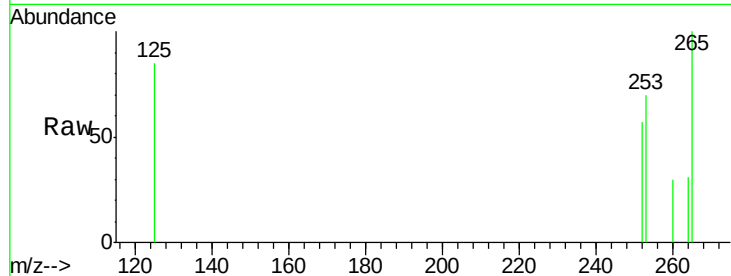
Tgt Ion: 252 Resp: 213

Ion Ratio Lower Upper

252 100

253 122.7 52.0 78.0#

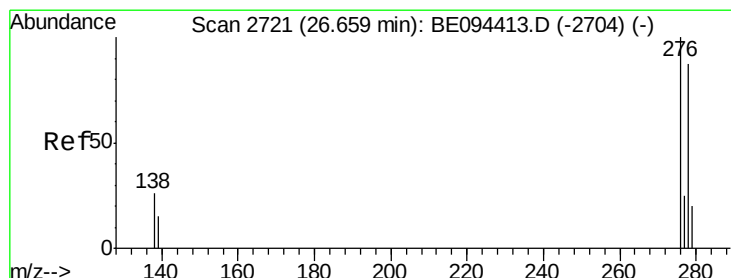
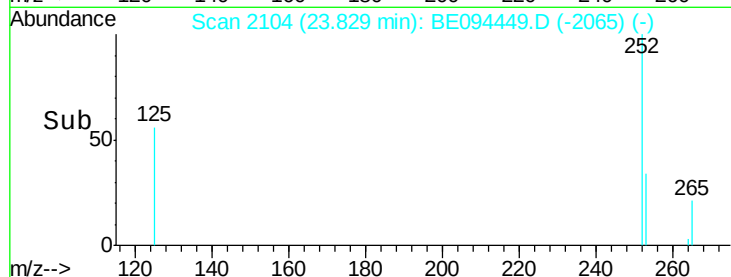
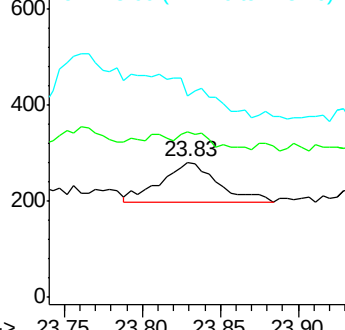
125 148.9 68.0 102.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.005 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094449.D

Acq: 19 Oct 2017 15:59

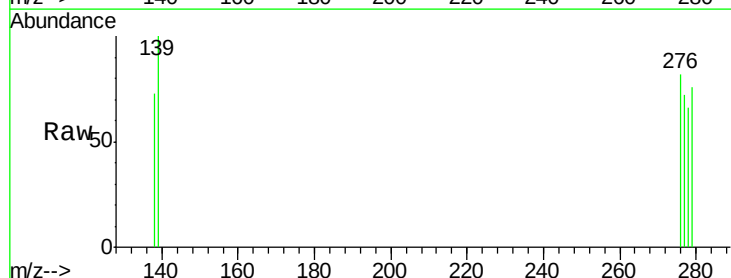
Tgt Ion: 278 Resp: 153

Ion Ratio Lower Upper

278 100

139 151.7 56.0 84.0#

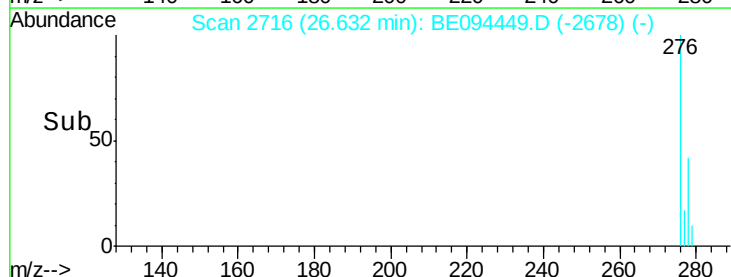
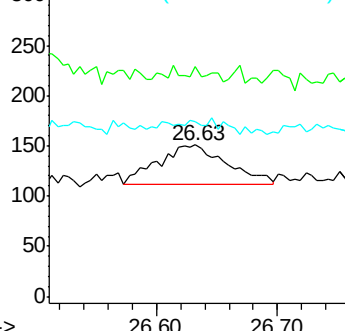
279 115.2 52.0 78.0#

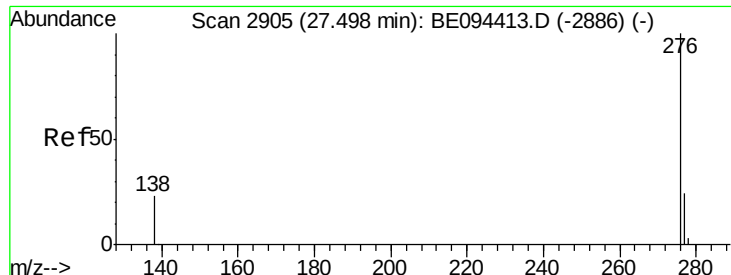


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.007 ng

RT: 27.45 min Scan# 2896

Delta R.T. -0.04 min

Lab File: BE094449.D

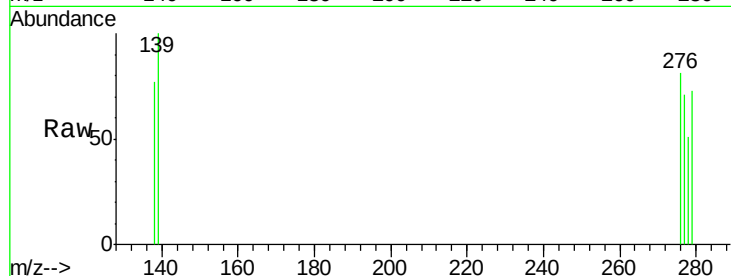
Acq: 19 Oct 2017 15:59

Instrument :

BNA_E

ClientSampleId :

3903-PP1-DUP



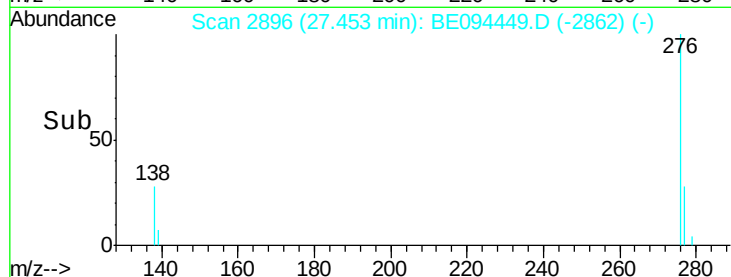
Tgt Ion: 276 Resp: 191

Ion Ratio Lower Upper

276 100

277 88.2 52.0 78.0#

138 95.5 44.0 66.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

