

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094444.D
 Acq On : 19 Oct 2017 12:54
 Operator : SJ/JU
 Sample : PB103238BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB103238BL

Quant Time: Oct 20 12:38:51 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	7.90	152	1275	0.40	ng	-0.02
7) Naphthalene-d8	10.71	136	6015	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3960	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	9143	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9876	0.40	ng	0.00
34) Perylene-d12	23.95	264	9430	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	1688	0.39	ng	0.00
5) Phenol-d6	7.14	99	1937	0.29	ng	0.00
8) Nitrobenzene-d5	9.10	82	1872	0.36	ng	0.02
11) 2-Methylnaphthalene-d10	12.31	152	4015	0.43	ng	0.02
14) 2,4,6-Tribromophenol	16.06	330	332	0.22	ng	0.03
15) 2-Fluorobiphenyl	13.18	172	5277	0.37	ng	0.03
25) Fluoranthene-d10	19.29	212	44819	0.30	ng	0.00
29) Terphenyl-d14	19.87	244	7333	0.37	ng	0.00

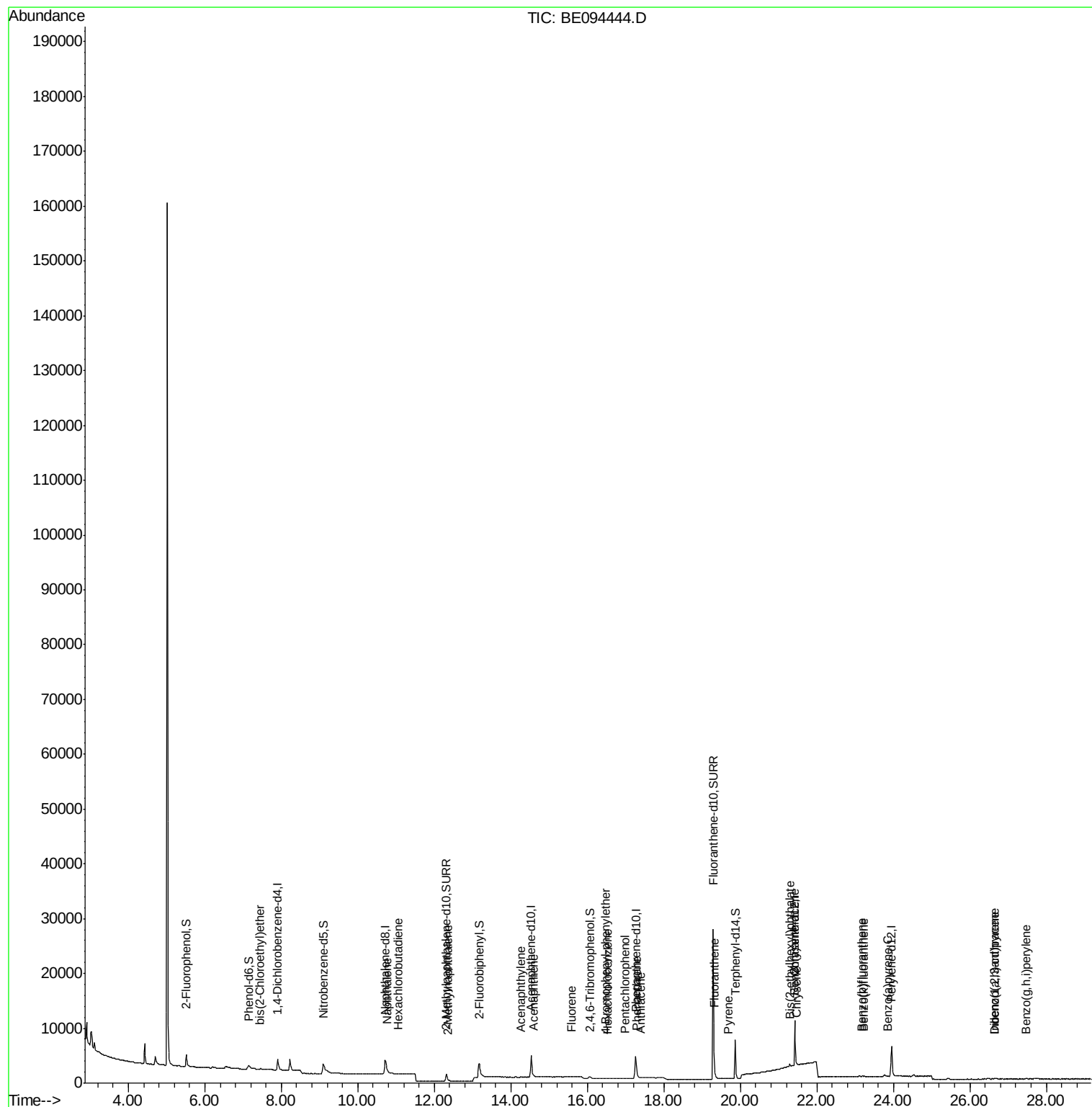
Target Compounds				Qvalue		
6) bis(2-Chloroethyl)ether	7.44	93	21	0.004	ng	# 1
9) Naphthalene	10.76	128	91	0.001	ng	# 50
10) Hexachlorobutadiene	11.06	225	2	0.001	ng	# 4
12) 2-Methylnaphthalene	12.37	142	3	0.000	ng	# 52
16) Acenaphthylene	14.26	152	17	0.001	ng	# 40
17) Acenaphthene	14.58	154	18	0.001	ng	# 76
18) Fluorene	15.59	166	15	0.001	ng	# 1
20) 4-Bromophenyl-phenylether	16.48	248	6	0.001	ng	# 45
21) Hexachlorobenzene	16.52	284	4	0.027	ng	# 38
22) Pentachlorophenol	16.97	266	8	0.165	ng	94
23) Phenanthrene	17.30	178	86	0.002	ng	# 31
24) Anthracene	17.40	178	33	0.001	ng	# 62
26) Fluoranthene	19.32	202	122	0.003	ng	# 69
28) Pyrene	19.68	202	80	0.002	ng	# 82
30) Benzo(a)anthracene	21.42	228	101	0.003	ng	# 38
31) Chrysene	21.46	228	119	0.004	ng	# 45
32) Bis(2-ethylhexyl)phthalate	21.29	149	784	0.008	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.64	276	42	0.001	ng	# 86
35) Benzo(b)fluoranthene	23.18	252	174	0.005	ng	# 34
36) Benzo(k)fluoranthene	23.23	252	88	0.003	ng	# 27
37) Benzo(a)pyrene	23.84	252	38	0.001	ng	# 19
38) Dibenzo(a,h)anthracene	26.65	278	32	0.001	ng	# 20
39) Benzo(g,h,i)perylene	27.47	276	35	0.001	ng	# 51

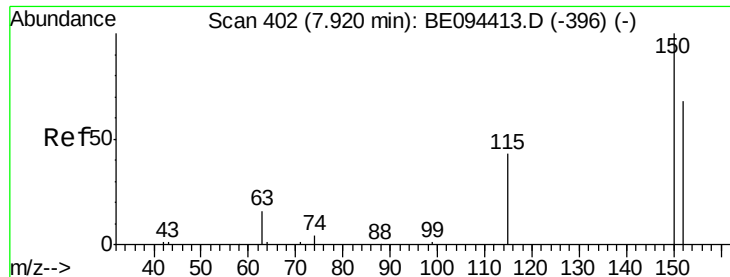
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 16 14:54:40 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.02 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

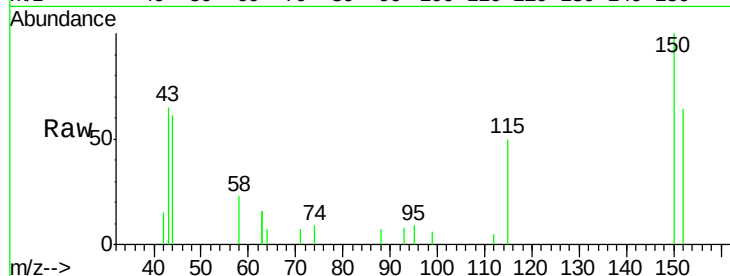
Tgt Ion:152 Resp: 1275

Ion Ratio Lower Upper

152 100

150 156.2 117.2 175.8

115 77.3 57.0 85.6

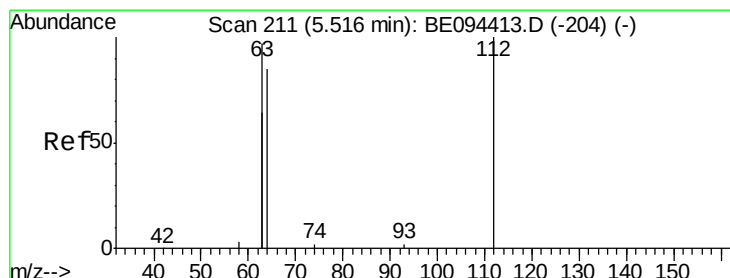
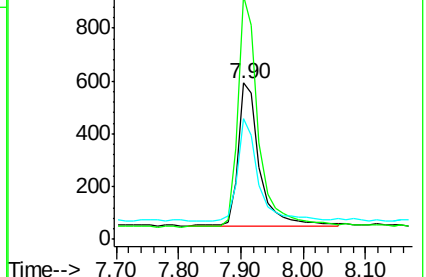
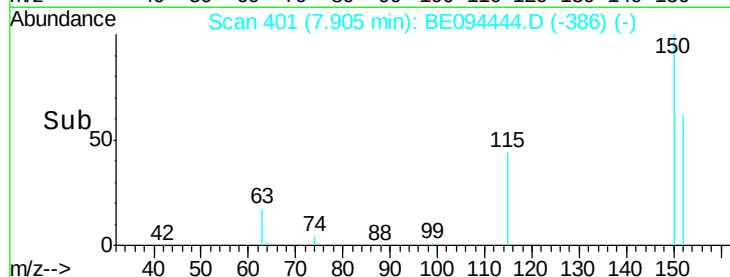


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#4

2-Fluorophenol

Concen: 0.392 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

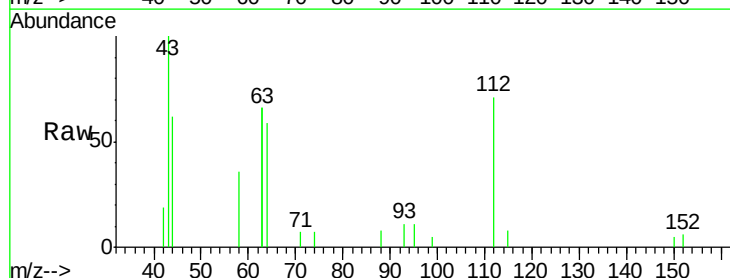
Tgt Ion:112 Resp: 1688

Ion Ratio Lower Upper

112 100

64 73.7 60.1 90.1

63 146.8 116.8 175.2

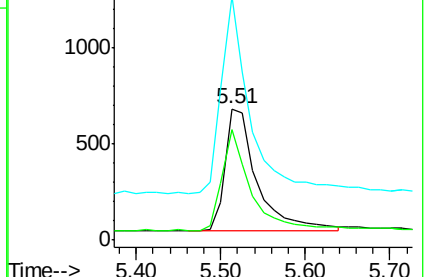
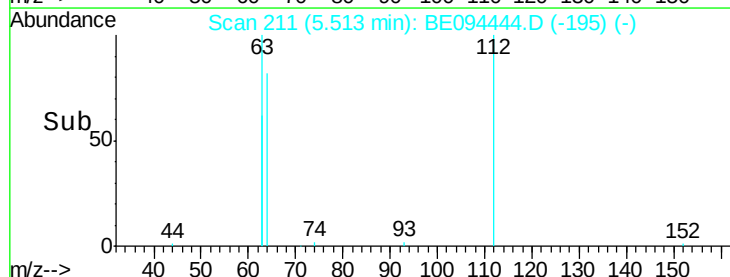


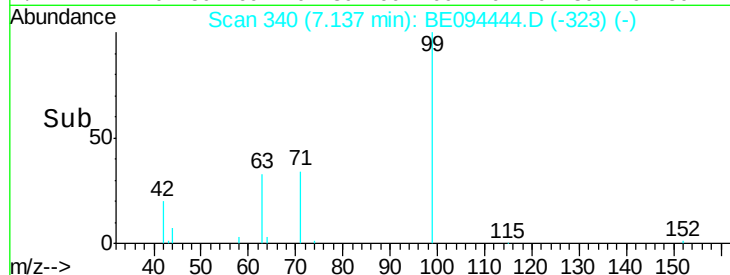
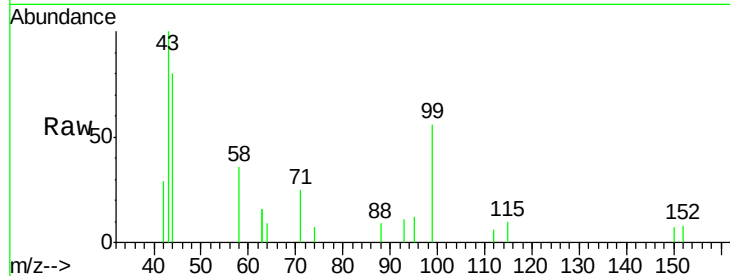
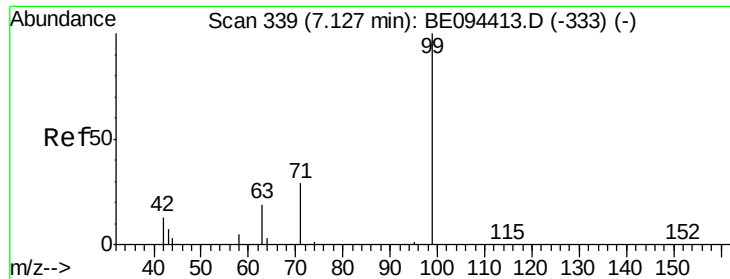
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->





#5

Phenol-d6

Concen: 0.288 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.01 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

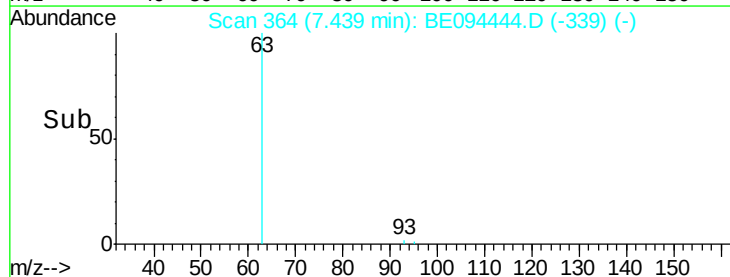
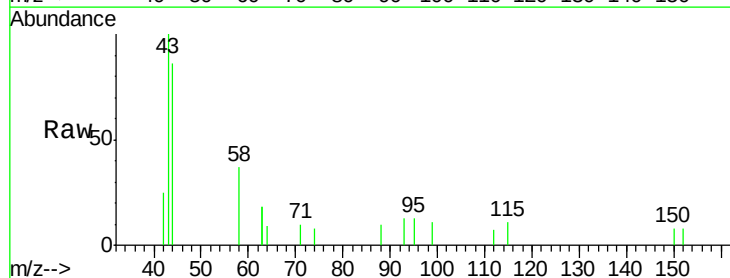
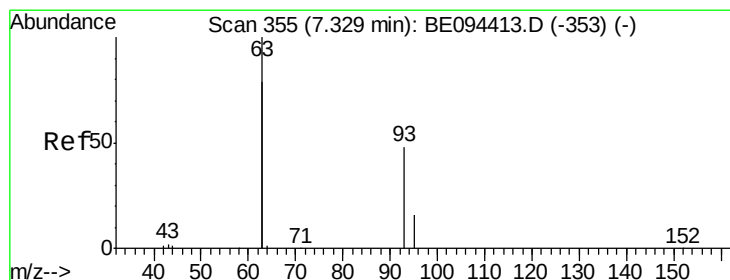
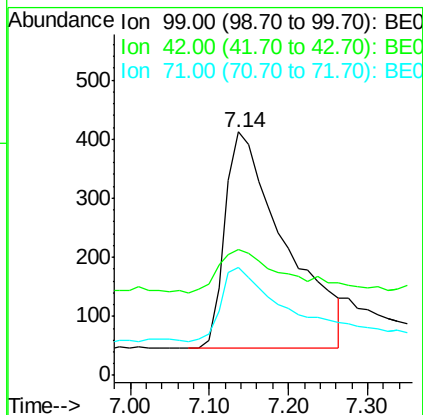
Tgt Ion: 99 Resp: 1937

Ion Ratio Lower Upper

99 100

42 20.5 20.2 30.2

71 34.8 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.004 ng

RT: 7.44 min Scan# 364

Delta R.T. 0.11 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

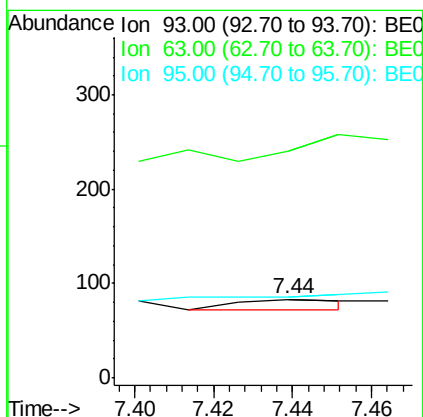
Tgt Ion: 93 Resp: 21

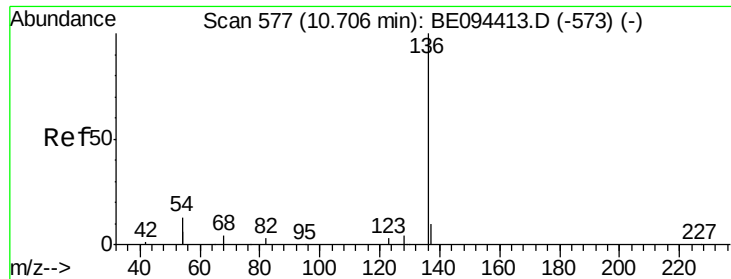
Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

Tgt Ion:136 Resp: 6015

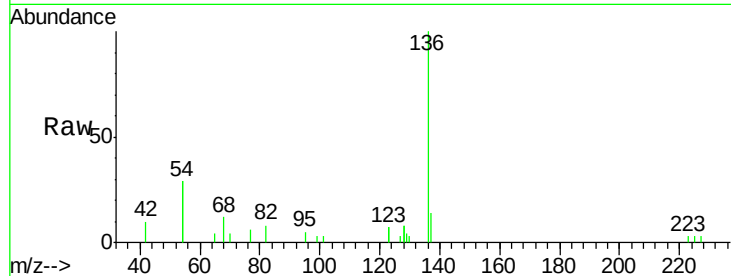
Ion Ratio Lower Upper

136 100

137 14.0 9.5 14.3

54 58.3 29.1 43.7#

68 11.8 6.2 9.2#

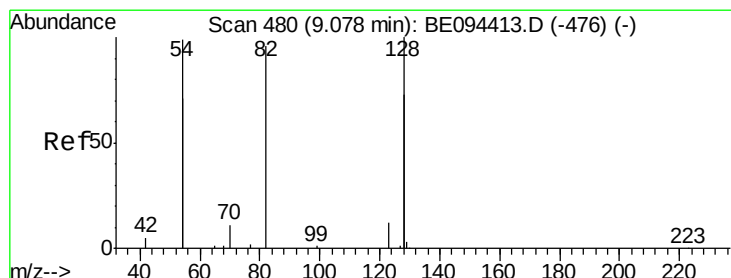
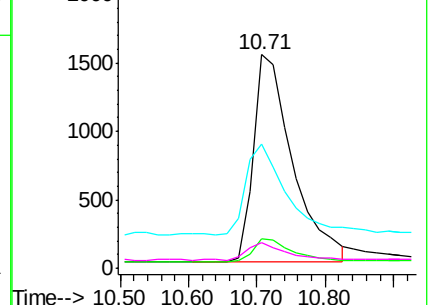
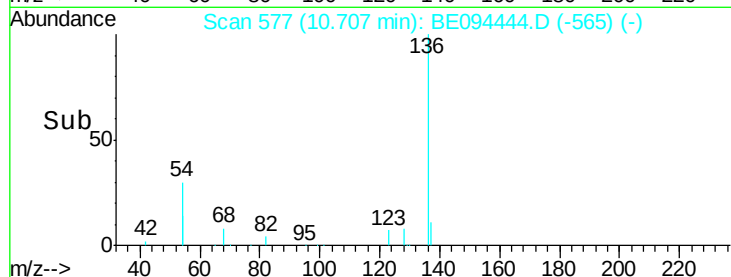


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.358 ng

RT: 9.10 min Scan# 481

Delta R.T. 0.02 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

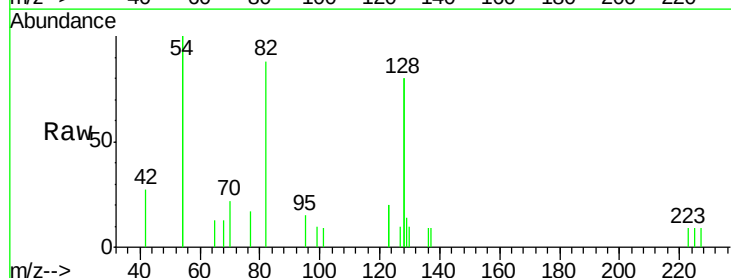
Tgt Ion: 82 Resp: 1872

Ion Ratio Lower Upper

82 100

128 182.9 150.0 225.0

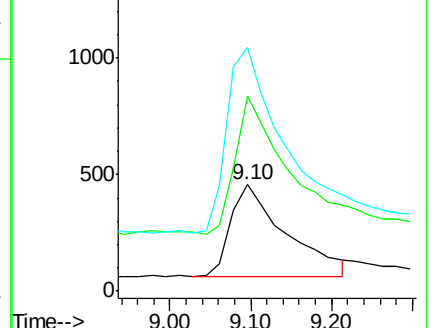
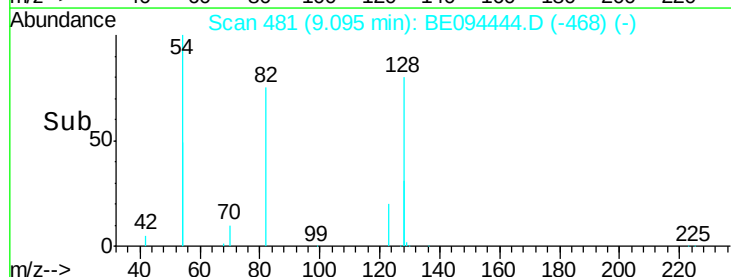
54 228.4 154.2 231.4

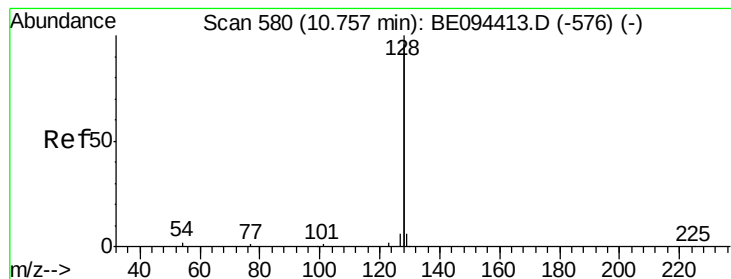


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.001 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

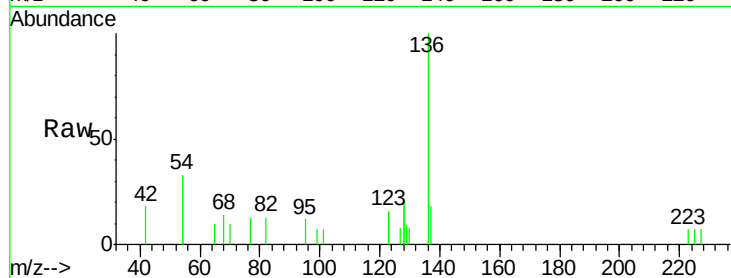
Tgt Ion:128 Resp: 91

Ion Ratio Lower Upper

128 100

129 22.1 2.6 3.8#

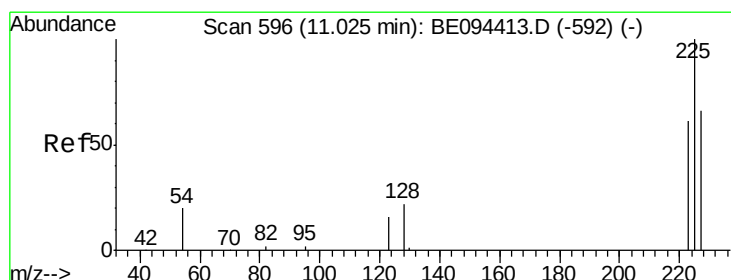
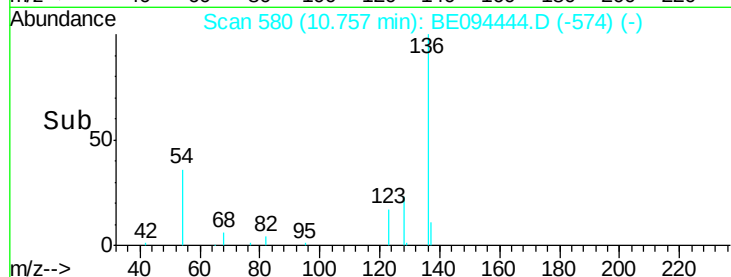
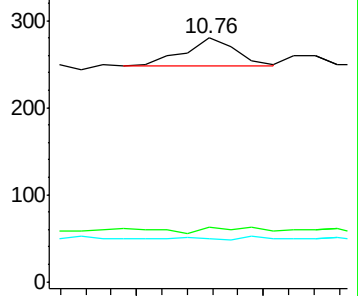
127 17.9 2.8 4.2#



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: 0.001 ng

RT: 11.06 min Scan# 598

Delta R.T. 0.03 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

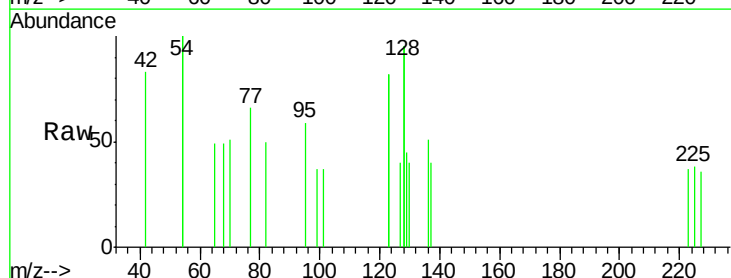
Tgt Ion:225 Resp: 2

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

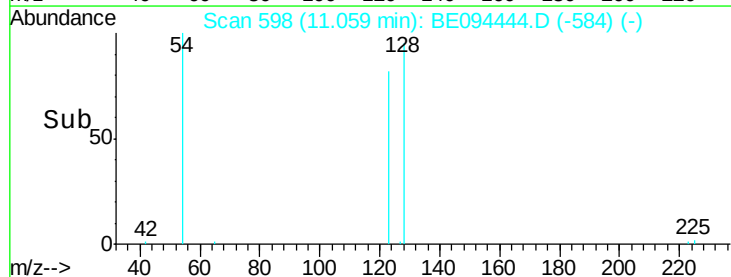
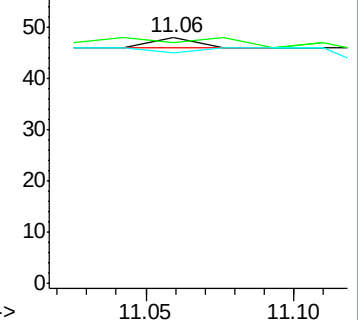
227 150.0 51.4 77.2#

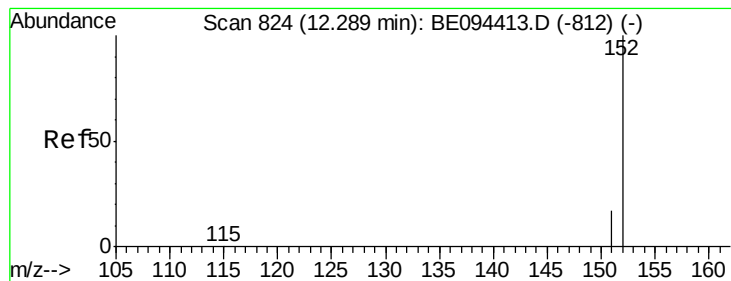


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.433 ng

RT: 12.31 min Scan# 830

Delta R.T. 0.02 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

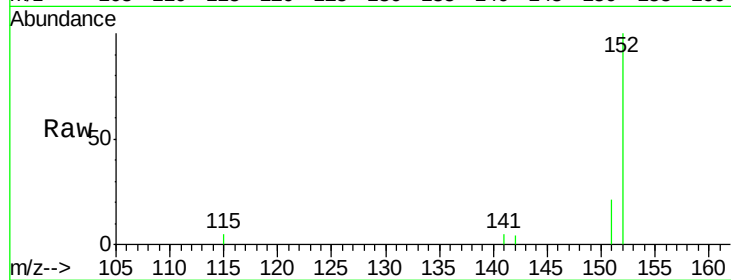
PB103238BL

Tgt Ion:152 Resp: 4015

Ion Ratio Lower Upper

152 100

151 17.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

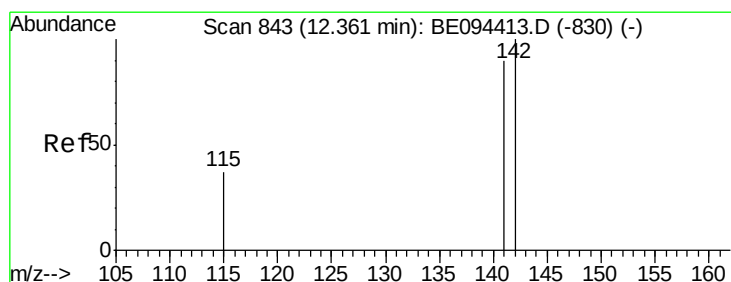
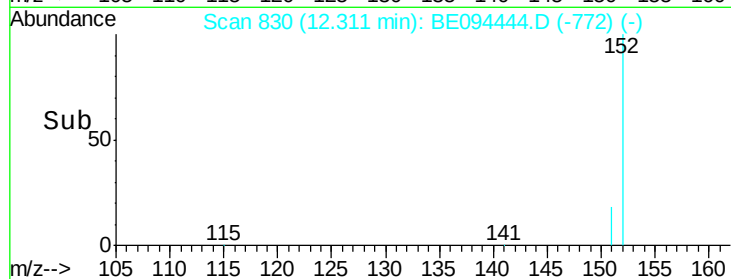
12.31

1000

500

0

Time--> 12.20 12.30 12.40 12.50



#12

2-Methylnaphthalene

Concen: 0.000 ng

RT: 12.37 min Scan# 845

Delta R.T. 0.01 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

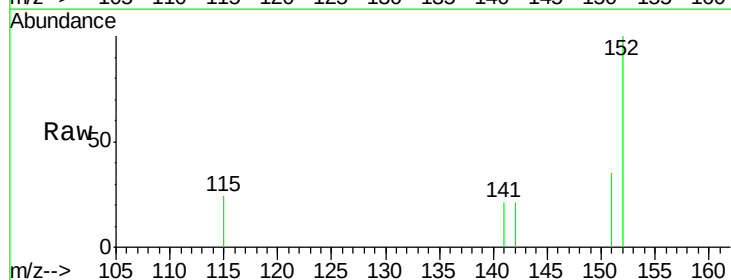
Tgt Ion:142 Resp: 3

Ion Ratio Lower Upper

142 100

141 101.8 70.4 105.6

115 114.0 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

12.37

80

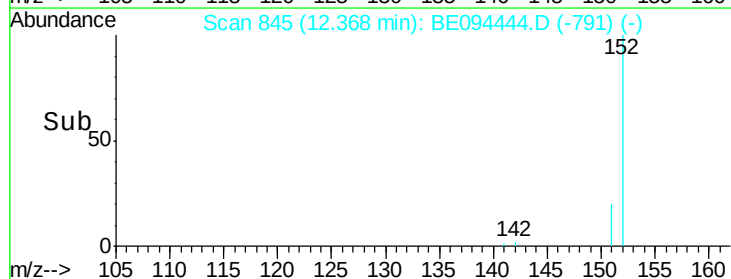
60

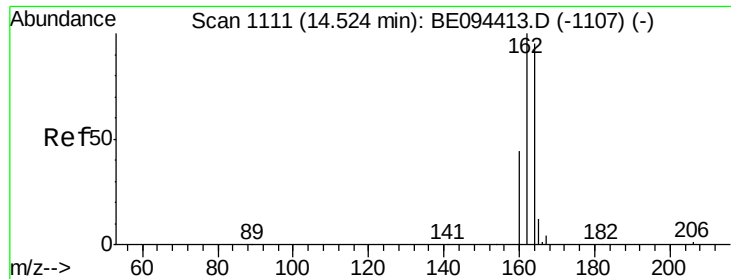
40

20

0

Time--> 12.36 12.38

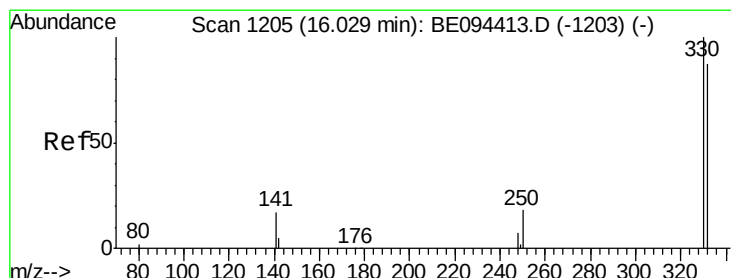
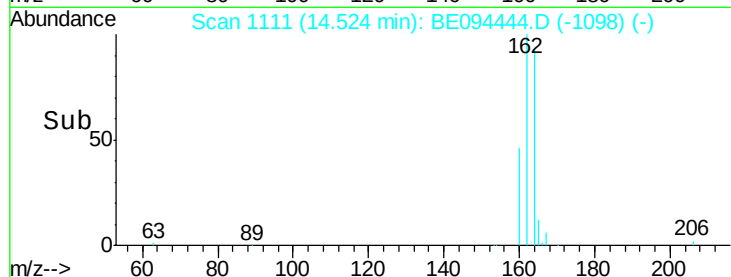
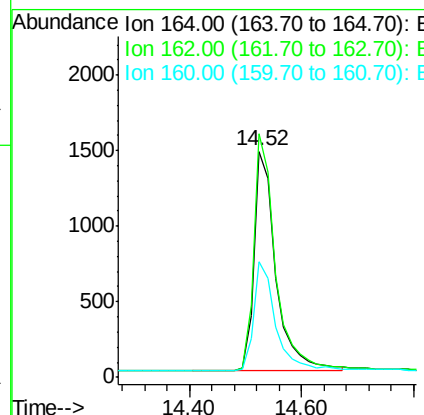
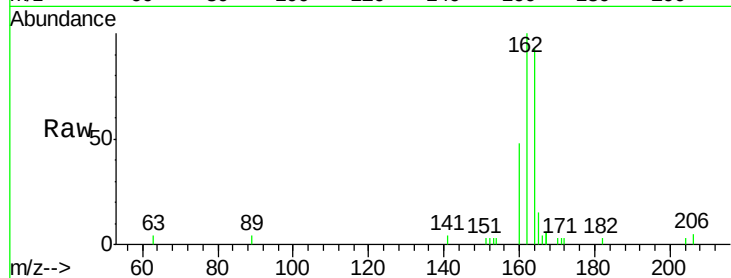




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: BE094444.D
 Acq: 19 Oct 2017 12:54

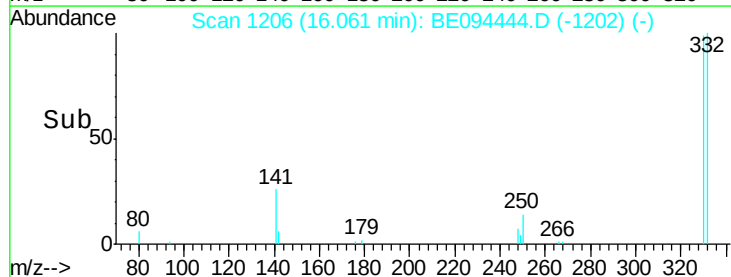
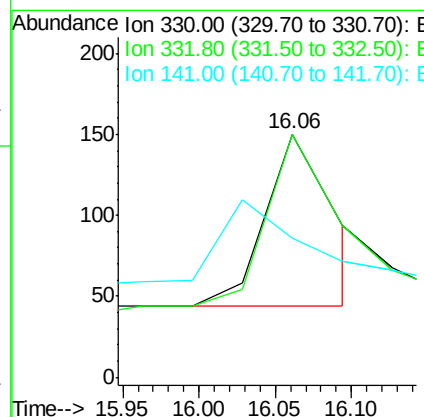
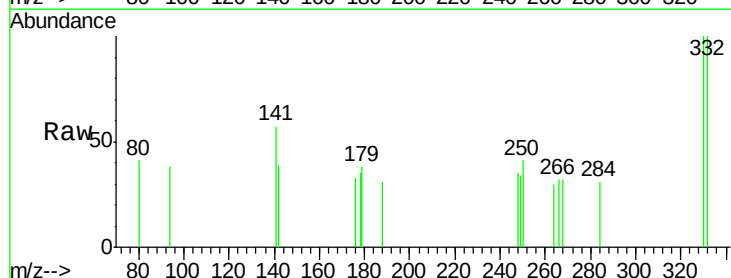
Instrument :
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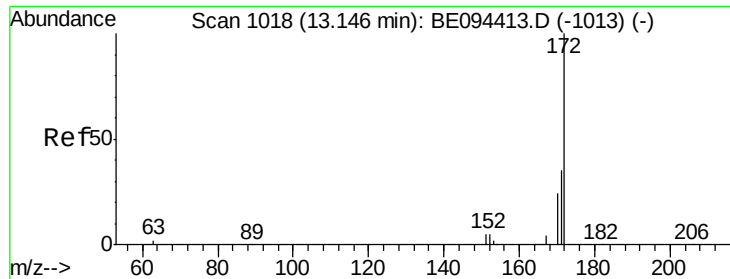
Tgt Ion:164 Resp: 3960
 Ion Ratio Lower Upper
 164 100
 162 107.6 83.1 124.7
 160 51.4 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.220 ng
 RT: 16.06 min Scan# 1206
 Delta R.T. 0.03 min
 Lab File: BE094444.D
 Acq: 19 Oct 2017 12:54

Tgt Ion:330 Resp: 332
 Ion Ratio Lower Upper
 330 100
 332 97.9 152.7 229.1#
 141 0.0 33.7 50.5#

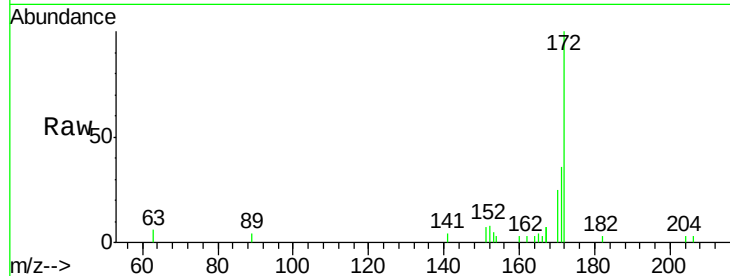




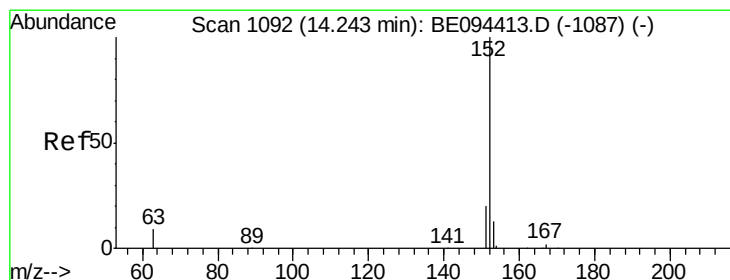
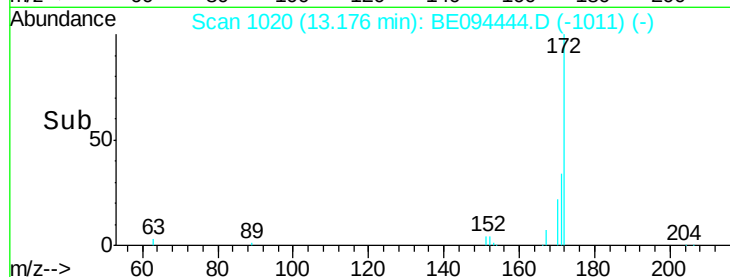
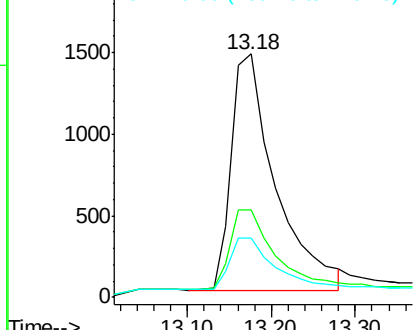
#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.18 min Scan# 1020
Delta R.T. 0.03 min
Lab File: BE094444.D
Acq: 19 Oct 2017 12:54

Instrument :
BNA_E
ClientSampleId :
PB103238BL

Tgt Ion:172 Resp: 5277
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 24.5 21.8 32.8

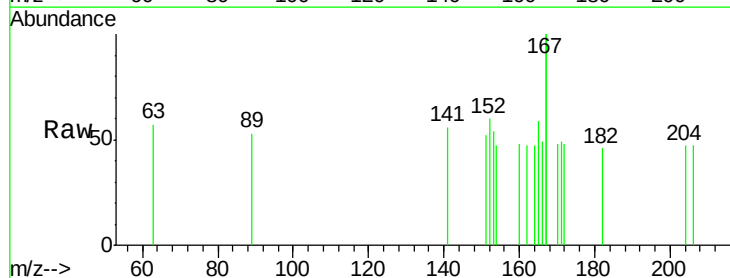


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

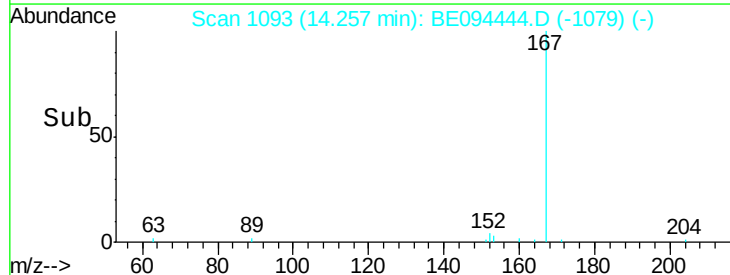
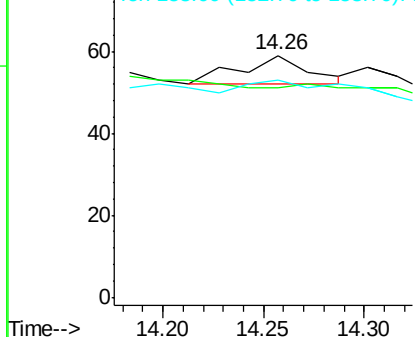


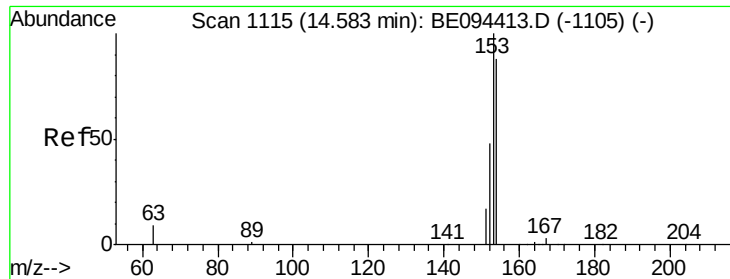
#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.26 min Scan# 1093
Delta R.T. 0.01 min
Lab File: BE094444.D
Acq: 19 Oct 2017 12:54

Tgt Ion:152 Resp: 17
Ion Ratio Lower Upper
152 100
151 17.6 15.7 23.5
153 70.6 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: 0.001 ng

RT: 14.58 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

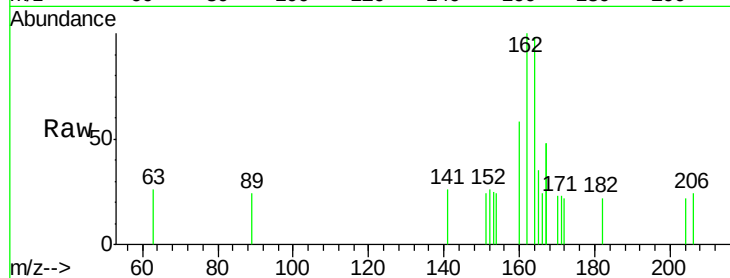
Tgt Ion:154 Resp: 18

Ion Ratio Lower Upper

154 100

153 83.3 89.2 133.8#

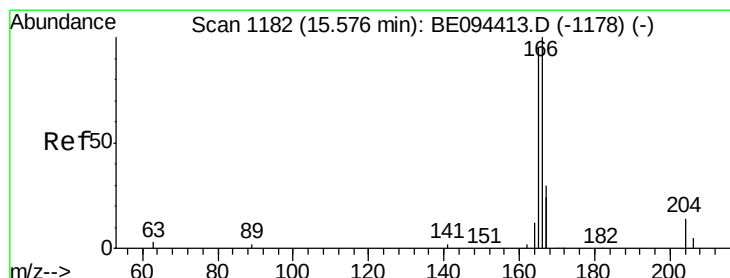
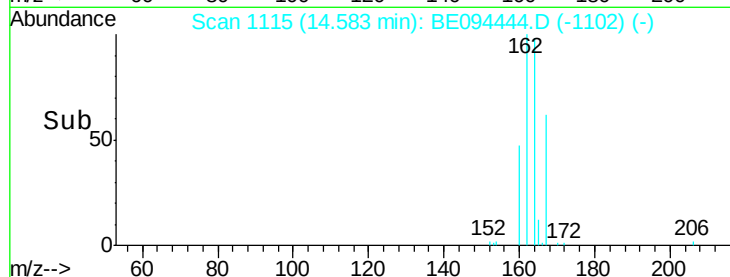
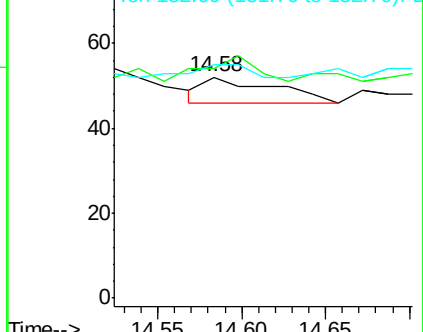
152 38.9 42.0 63.0#



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: 0.001 ng

RT: 15.59 min Scan# 1183

Delta R.T. 0.01 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

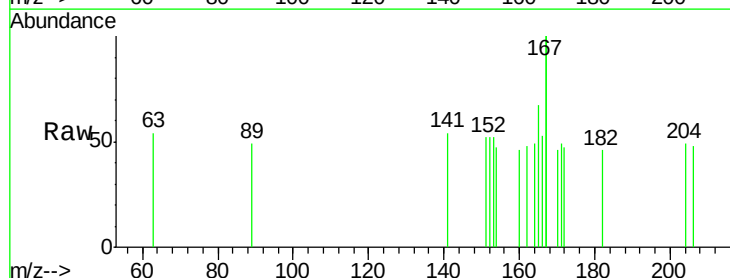
Tgt Ion:166 Resp: 15

Ion Ratio Lower Upper

166 100

165 260.0 77.8 116.6#

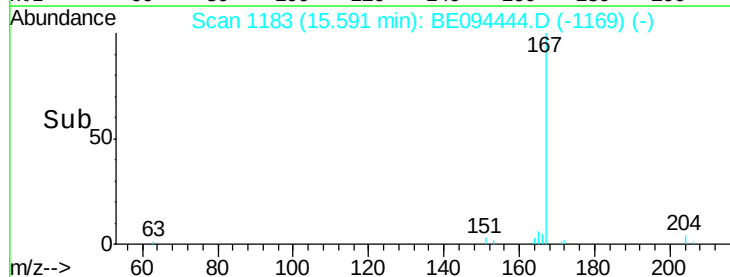
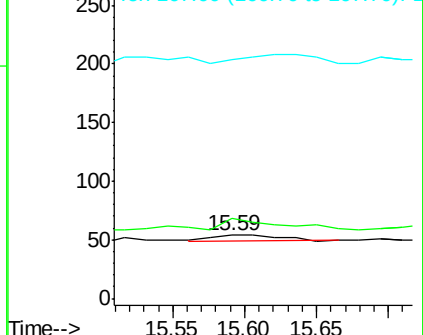
167 0.0 42.4 63.6#

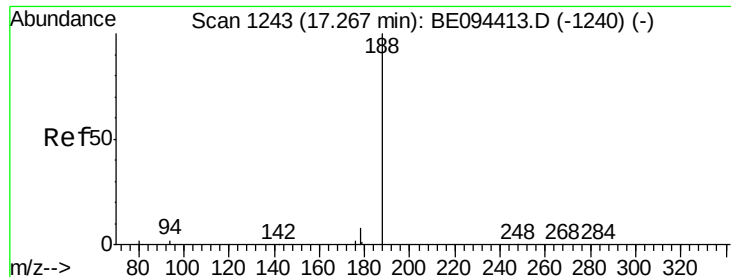


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

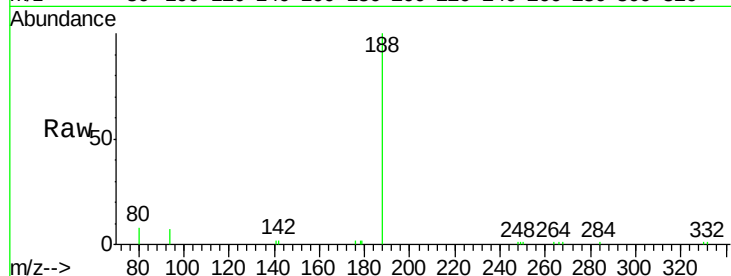
Tgt Ion:188 Resp: 9143

Ion Ratio Lower Upper

188 100

94 7.5 3.9 5.9#

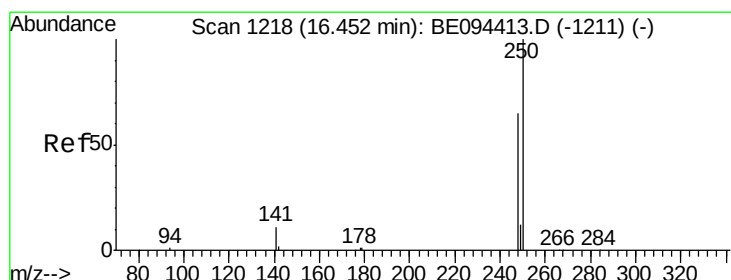
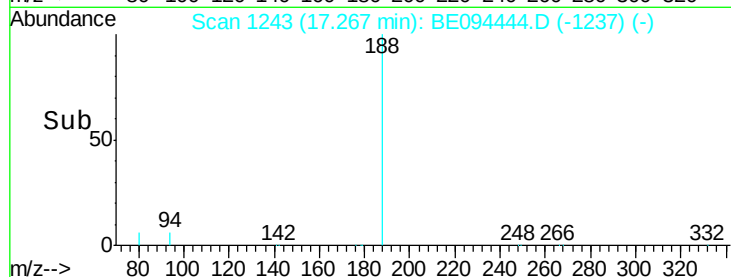
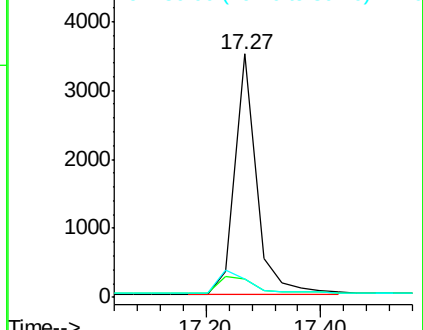
80 7.6 3.6 5.4#



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: 0.001 ng

RT: 16.48 min Scan# 1219

Delta R.T. 0.03 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

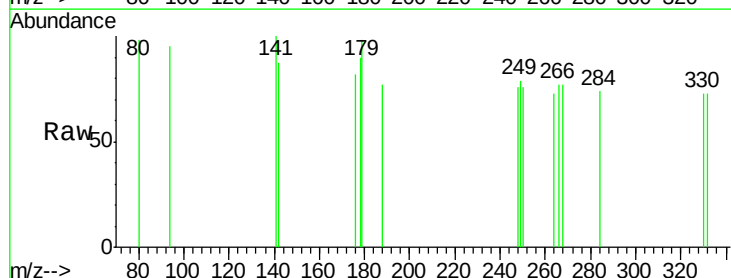
Tgt Ion:248 Resp: 6

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

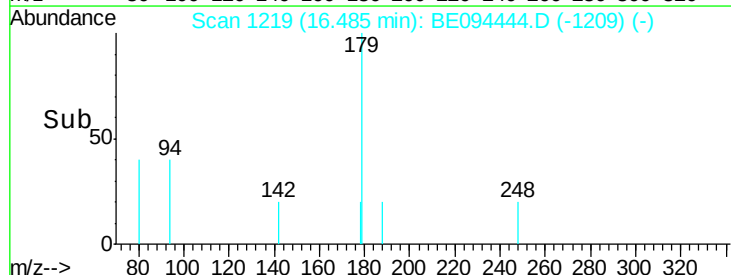
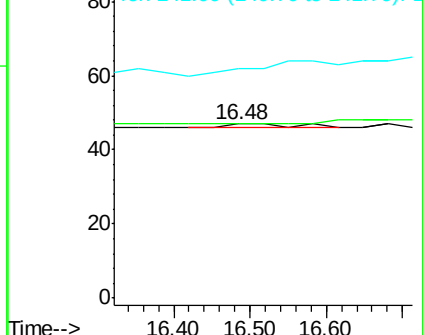
141 131.9 48.2 72.2#

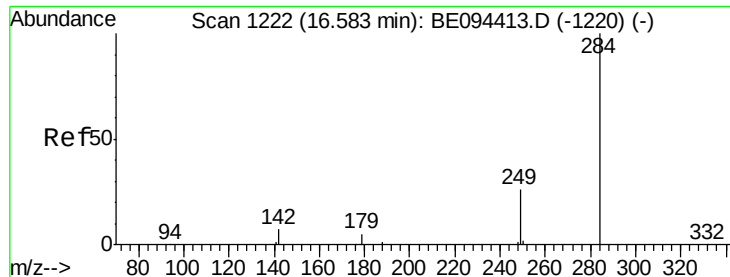


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.027 ng

RT: 16.52 min Scan# 1220

Delta R.T. -0.06 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

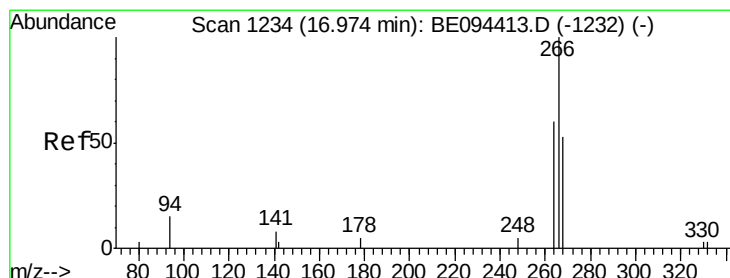
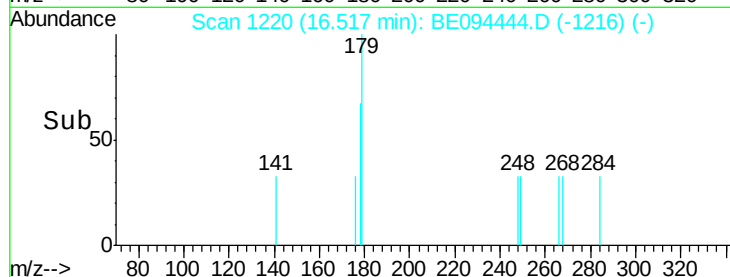
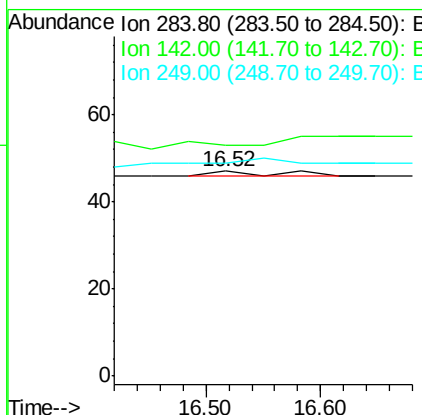
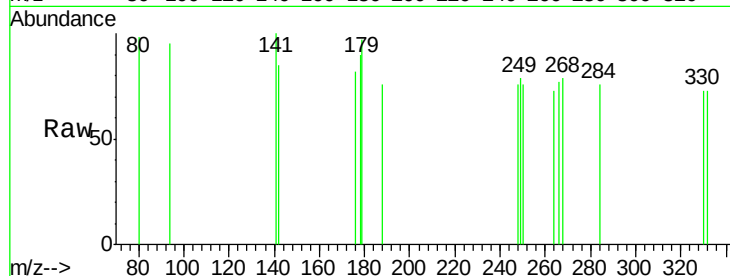
Instrument :

BNA_E

ClientSampleId :

PB103238BL

Tgt Ion:	284	Resp:	4
Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	0.0	34.8	52.2#



#22

Pentachlorophenol

Concen: 0.165 ng

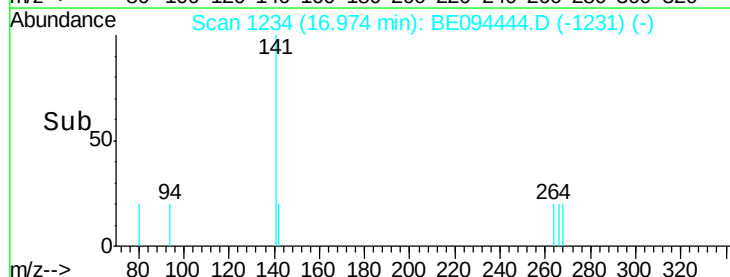
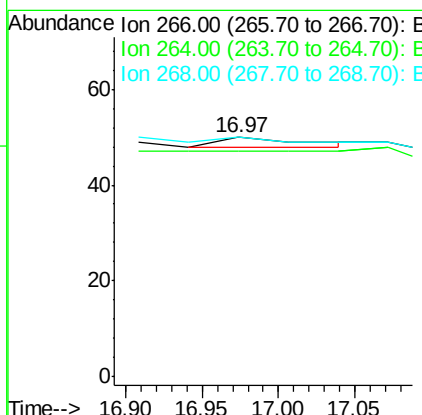
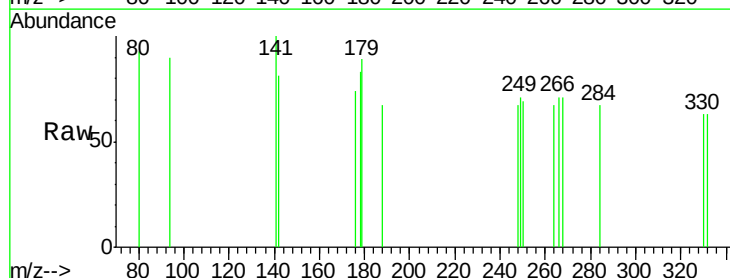
RT: 16.97 min Scan# 1234

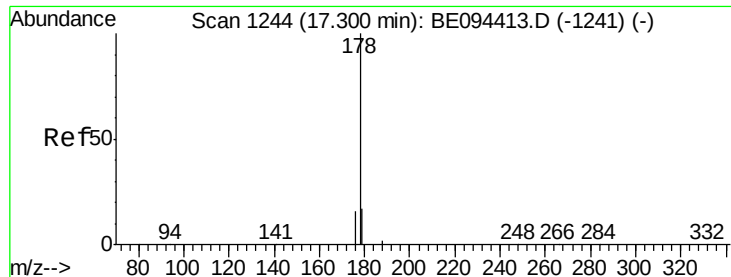
Delta R.T. 0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Tgt Ion:	266	Resp:	8
Ion	Ratio	Lower	Upper
266	100		
264	94.0	72.5	108.7
268	100.0	73.8	110.6





#23

Phenanthrene

Concen: 0.002 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

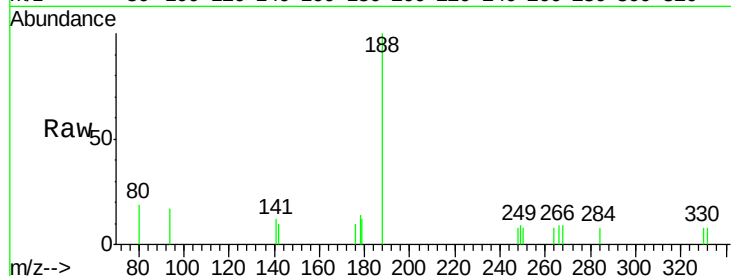
Tgt Ion:178 Resp: 86

Ion Ratio Lower Upper

178 100

176 61.6 15.1 22.7#

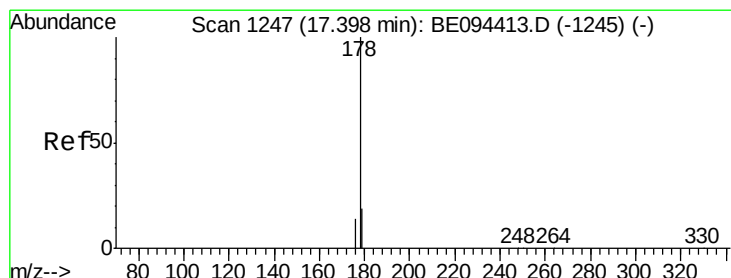
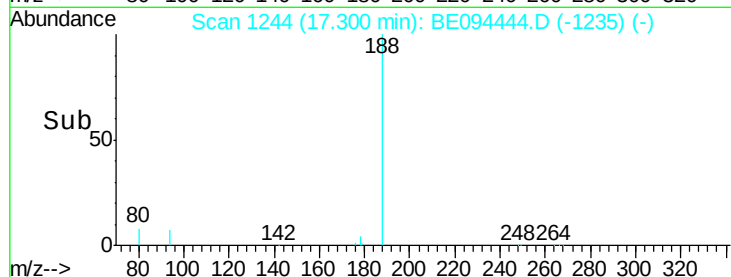
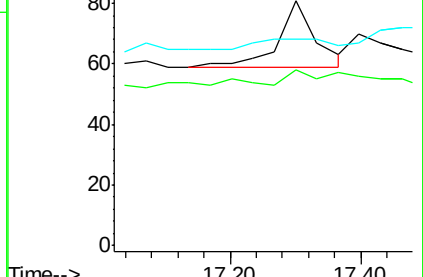
179 0.0 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.001 ng

RT: 17.40 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

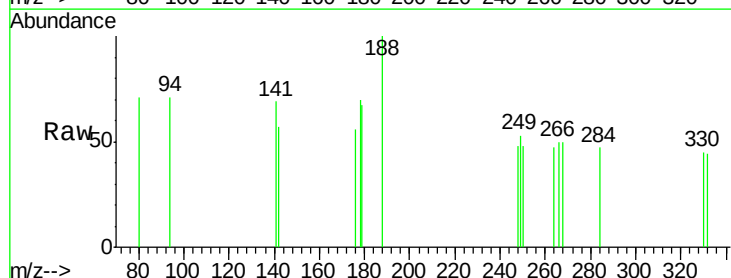
Tgt Ion:178 Resp: 33

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

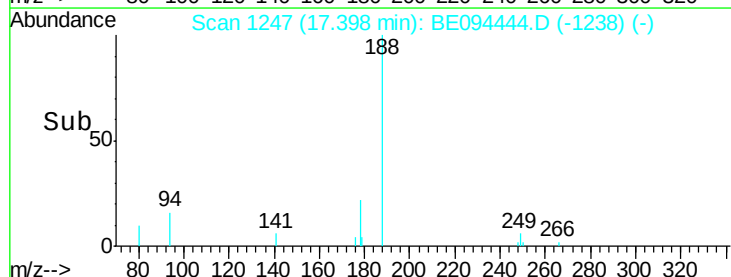
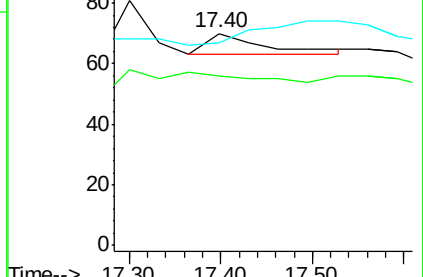
179 0.0 13.0 19.6#

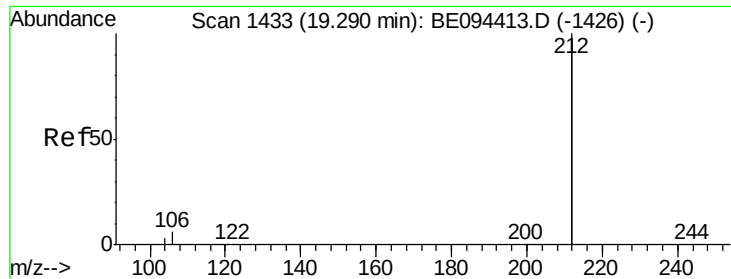


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.304 ng

RT: 19.29 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

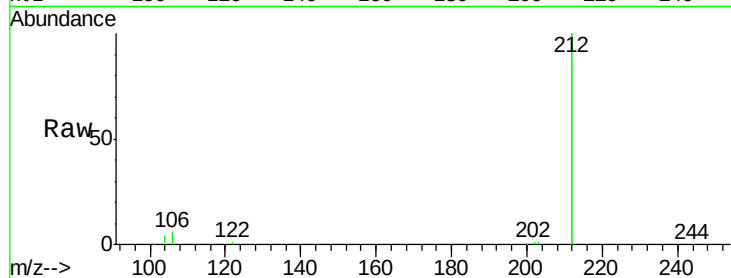
Tgt Ion:212 Resp: 44819

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

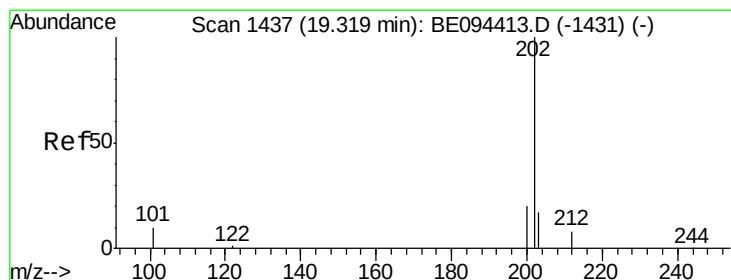
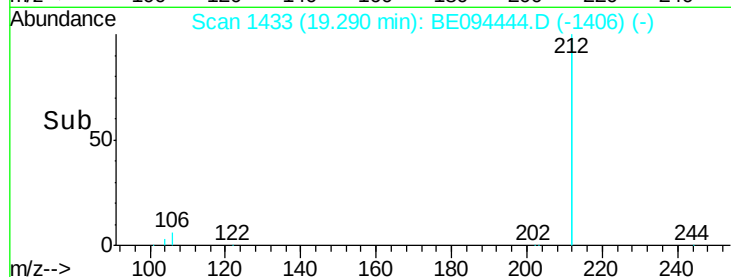
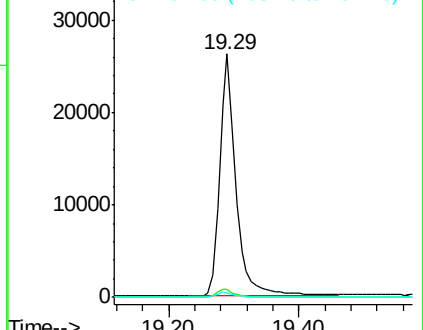
104 1.9 1.6 2.4



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: 0.003 ng

RT: 19.32 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

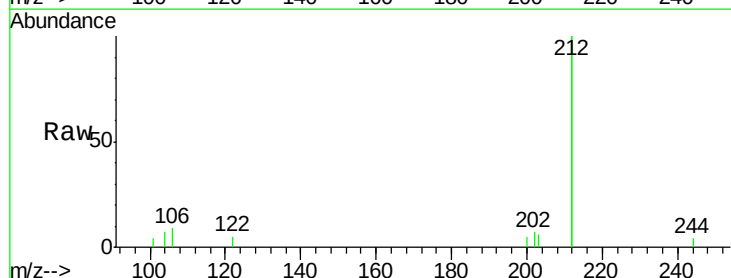
Tgt Ion:202 Resp: 122

Ion Ratio Lower Upper

202 100

101 12.3 9.8 14.8

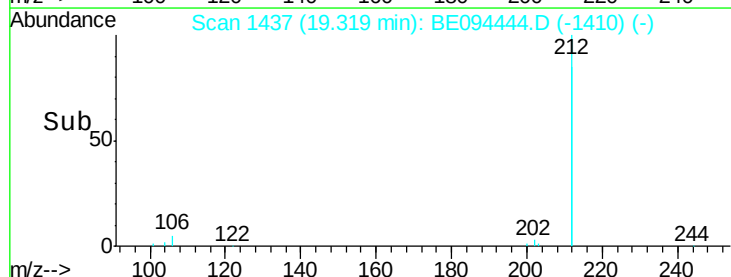
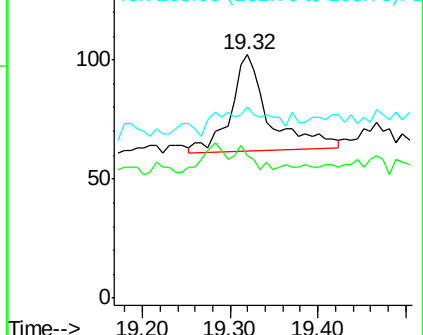
203 40.2 13.7 20.5#

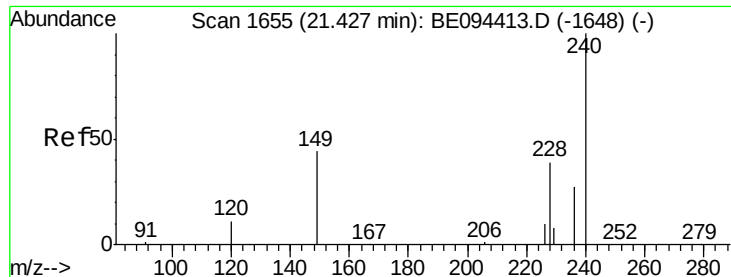


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1655

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

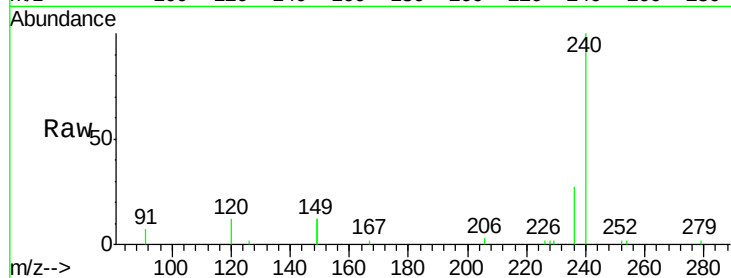
Tgt Ion:240 Resp: 9876

Ion Ratio Lower Upper

240 100

120 11.8 5.5 8.3#

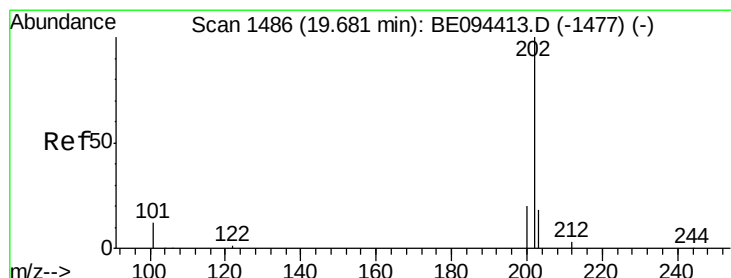
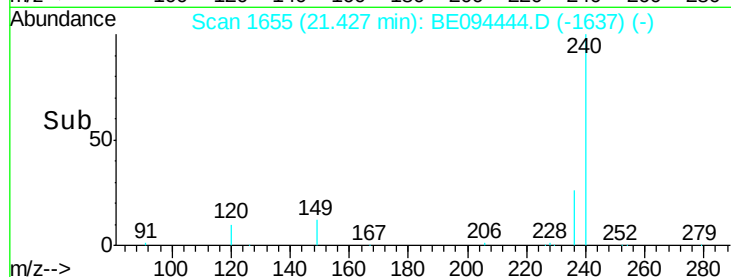
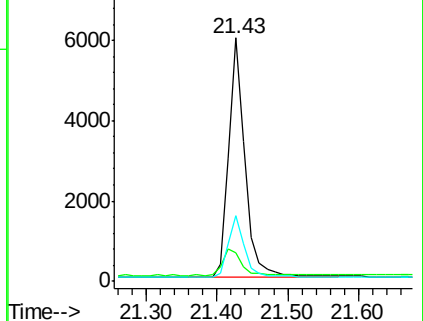
236 26.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.002 ng

RT: 19.68 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

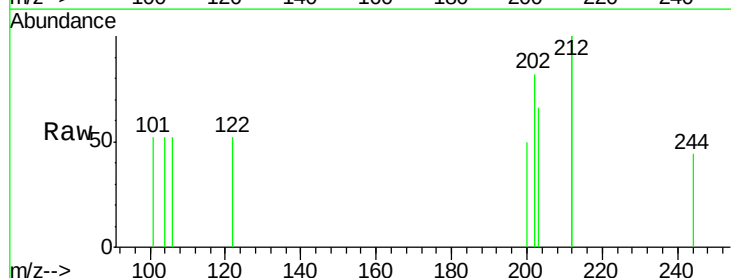
Tgt Ion:202 Resp: 80

Ion Ratio Lower Upper

202 100

200 25.0 16.6 25.0#

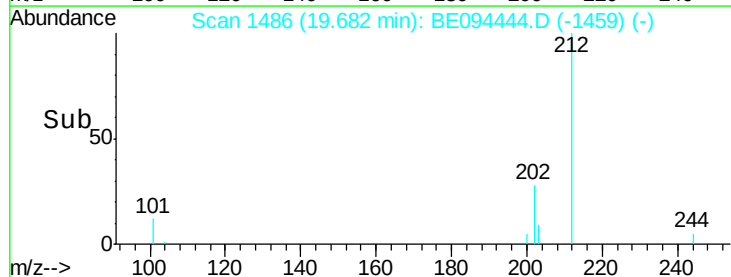
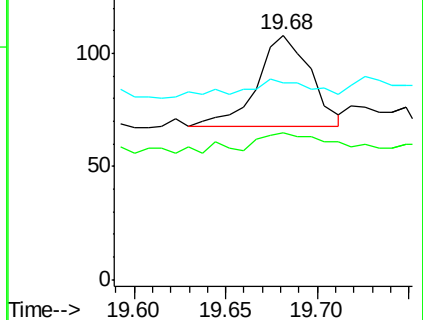
203 30.0 13.8 20.8#

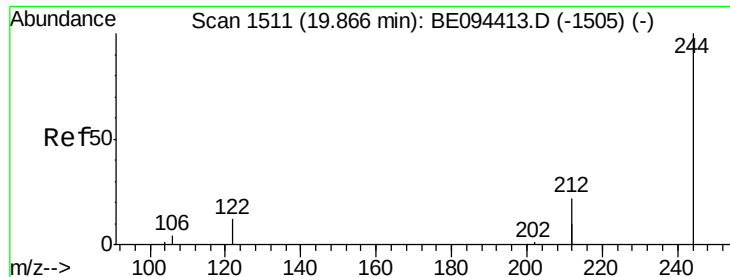


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.368 ng

RT: 19.87 min Scan# 1511

Delta R.T. 0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

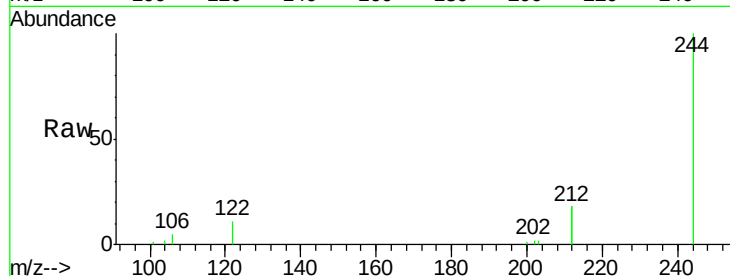
Tgt Ion:244 Resp: 7333

Ion Ratio Lower Upper

244 100

212 35.3 25.4 38.0

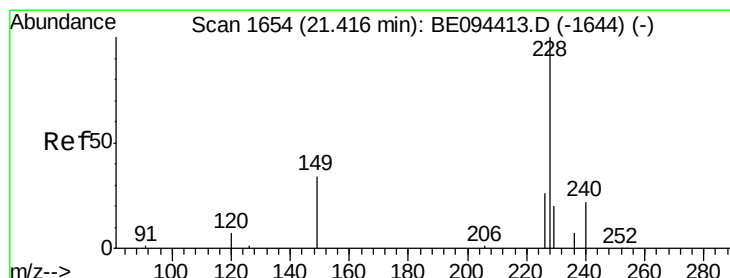
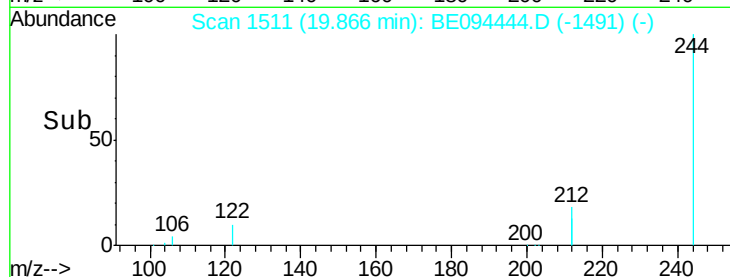
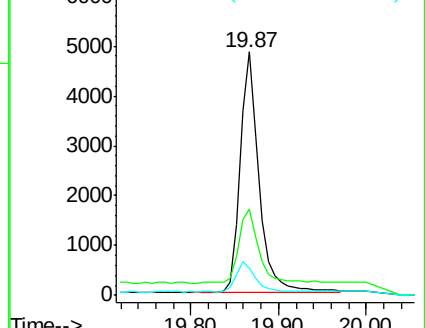
122 11.4 8.1 12.1



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: 0.003 ng

RT: 21.42 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

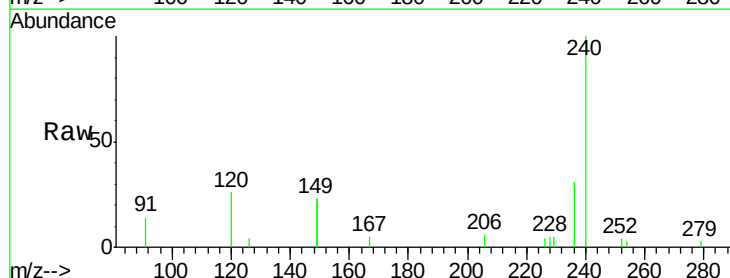
Tgt Ion:228 Resp: 101

Ion Ratio Lower Upper

228 100

226 86.3 40.0 60.0#

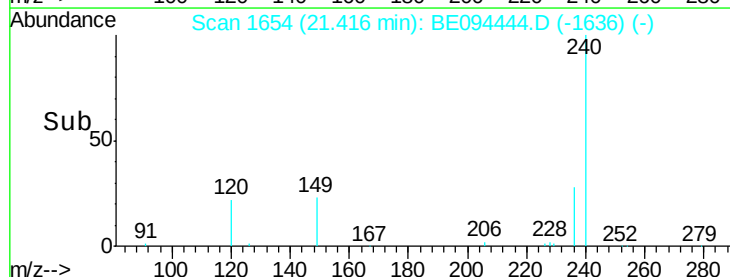
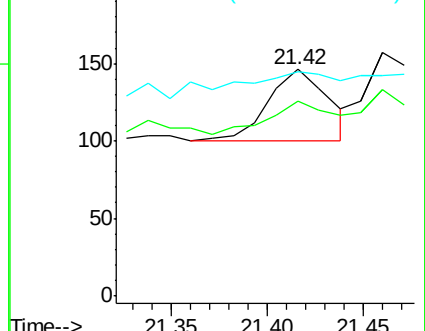
229 99.3 40.0 60.0#

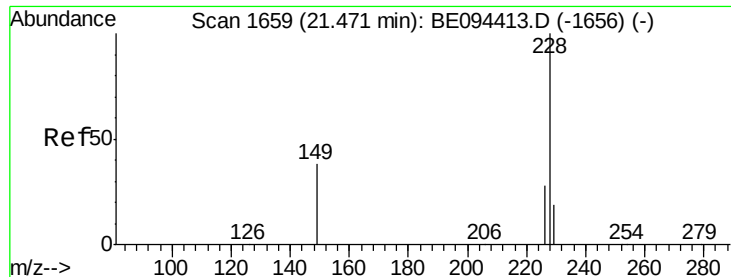


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.004 ng

RT: 21.46 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

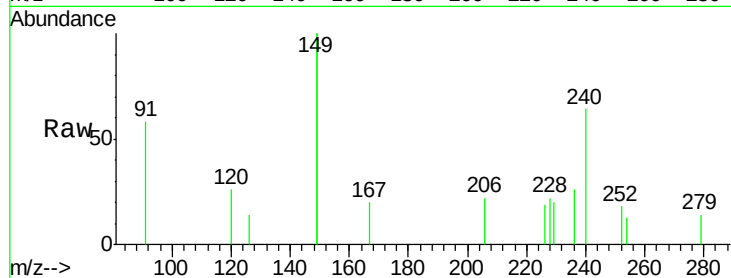
Tgt Ion:228 Resp: 119

Ion Ratio Lower Upper

228 100

226 84.7 40.0 60.0#

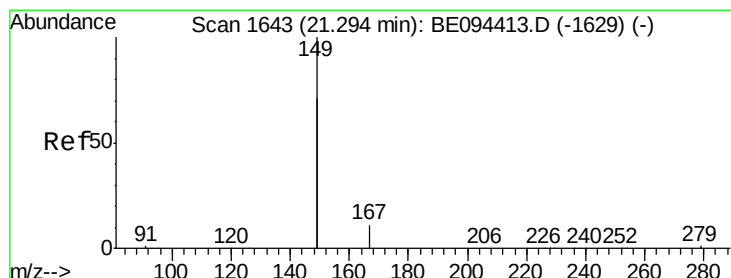
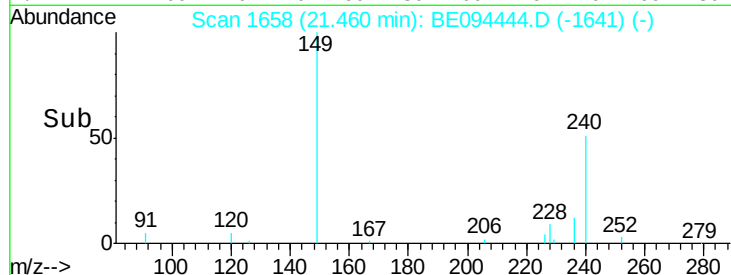
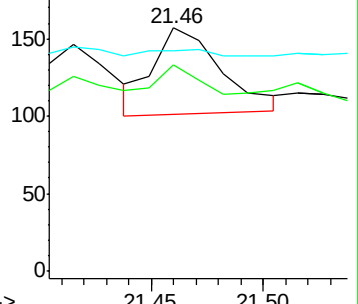
229 90.4 40.0 60.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.008 ng

RT: 21.29 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

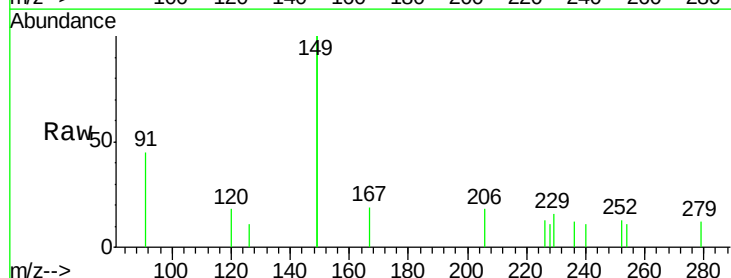
Tgt Ion:149 Resp: 784

Ion Ratio Lower Upper

149 100

167 5.6 5.4 8.0

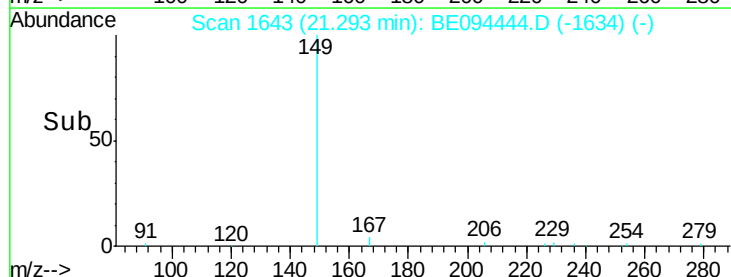
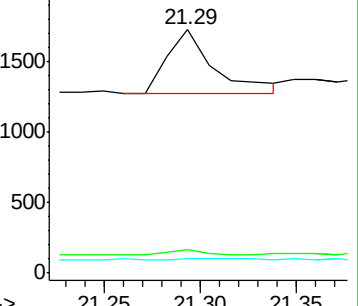
279 4.3 0.7 1.1#

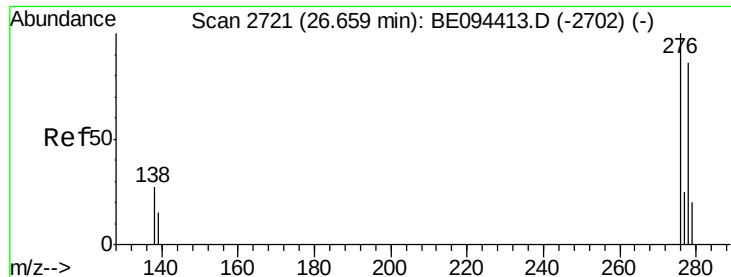


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.001 ng

RT: 26.64 min Scan# 2716

Delta R.T. -0.02 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

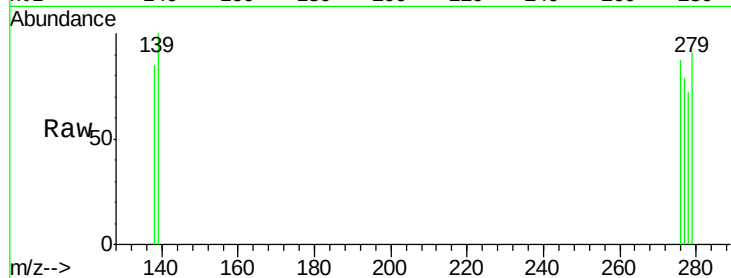
Tgt Ion:276 Resp: 42

Ion Ratio Lower Upper

276 100

138 40.5 22.5 33.7#

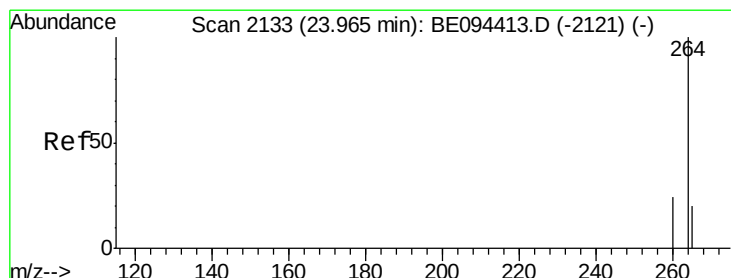
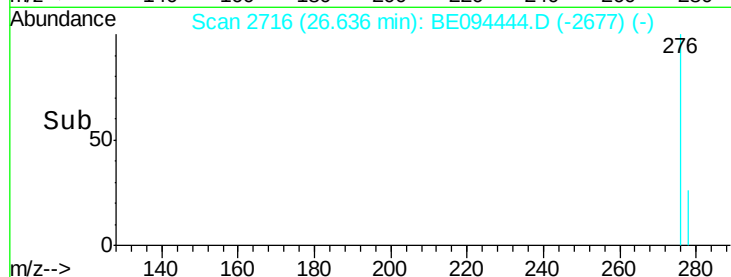
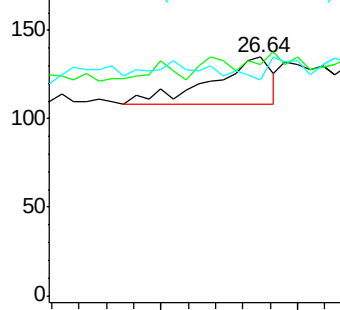
277 26.2 19.9 29.9



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: 23.95 min Scan# 2130

Delta R.T. -0.01 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

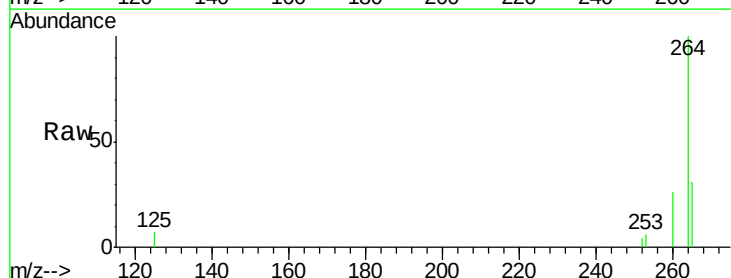
Tgt Ion:264 Resp: 9430

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

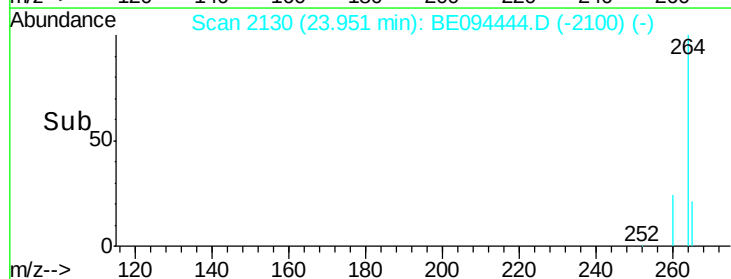
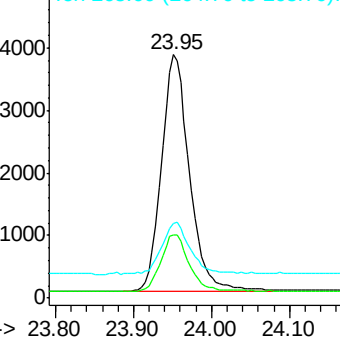
265 30.6 22.8 34.2

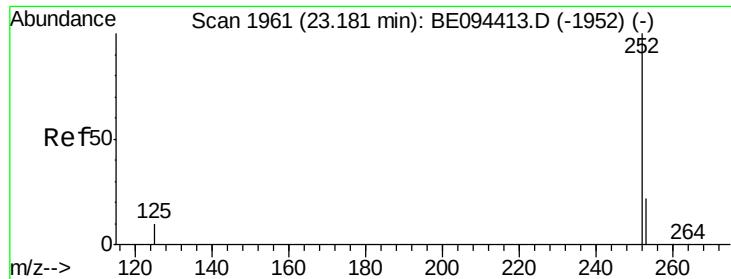


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.005 ng

RT: 23.18 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

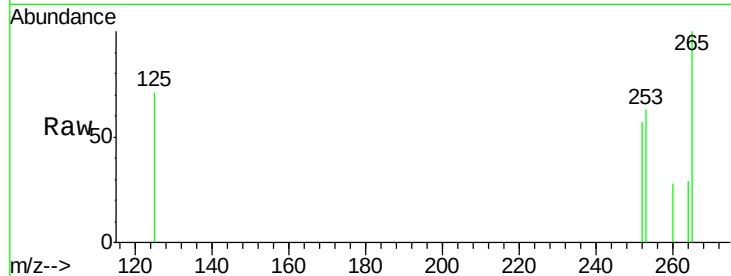
Tgt Ion:252 Resp: 174

Ion Ratio Lower Upper

252 100

253 110.6 48.0 72.0#

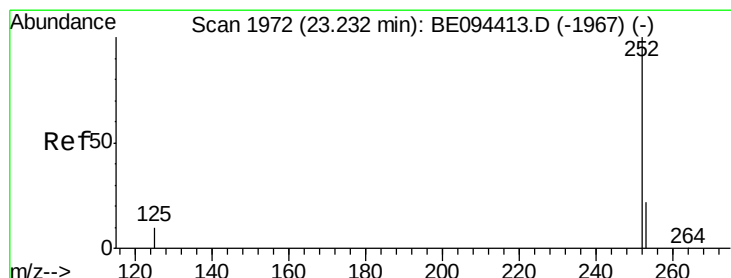
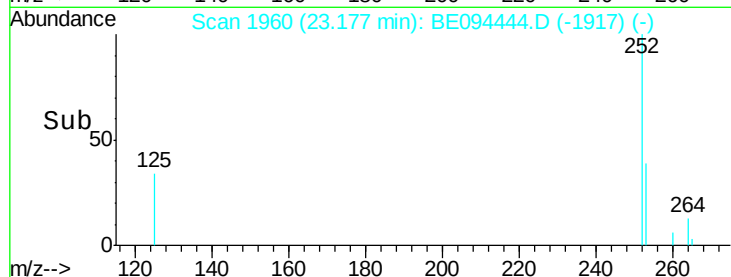
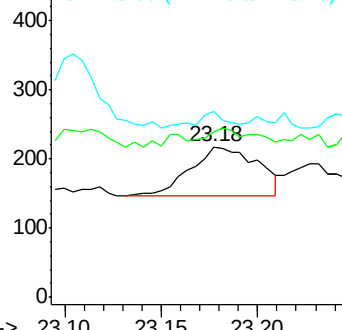
125 124.0 56.0 84.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 23.23 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

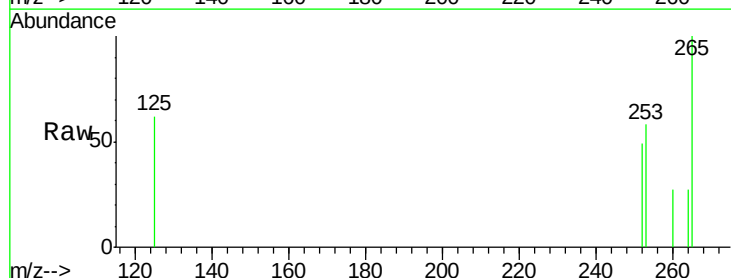
Tgt Ion:252 Resp: 88

Ion Ratio Lower Upper

252 100

253 118.7 48.0 72.0#

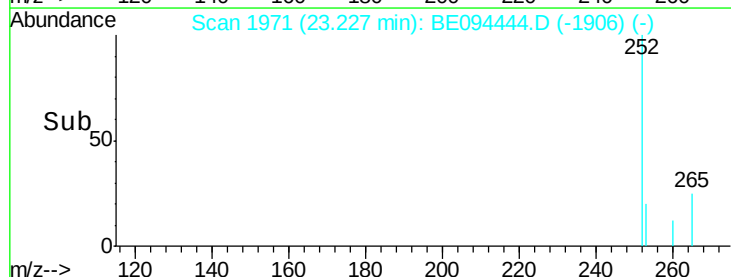
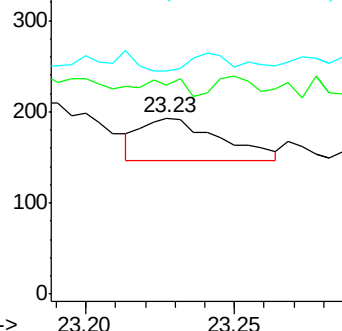
125 126.9 56.0 84.0#

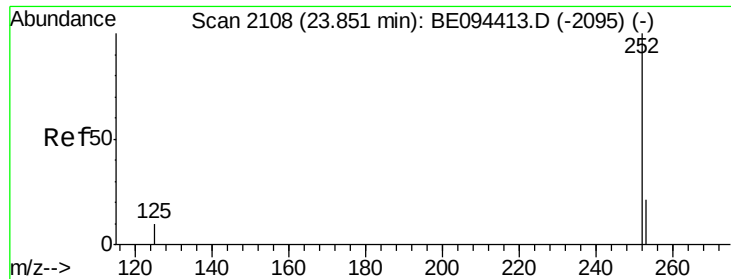


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.84 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

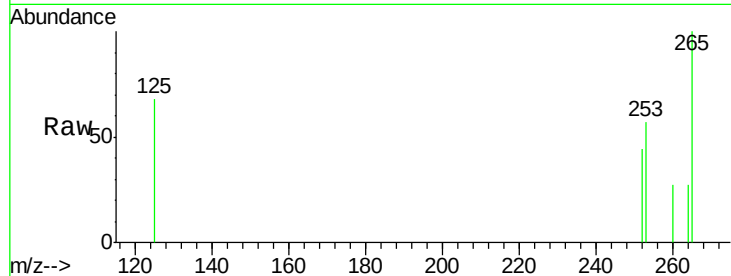
Tgt Ion: 252 Resp: 38

Ion Ratio Lower Upper

252 100

253 131.8 52.0 78.0#

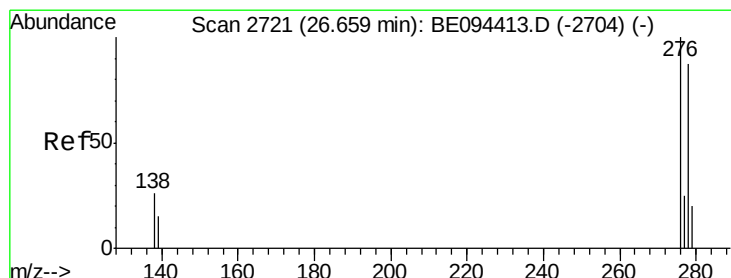
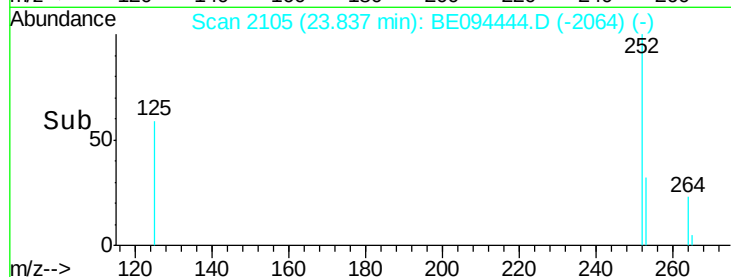
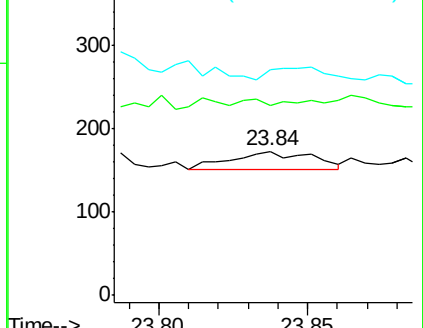
125 156.6 68.0 102.0#



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: 0.001 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

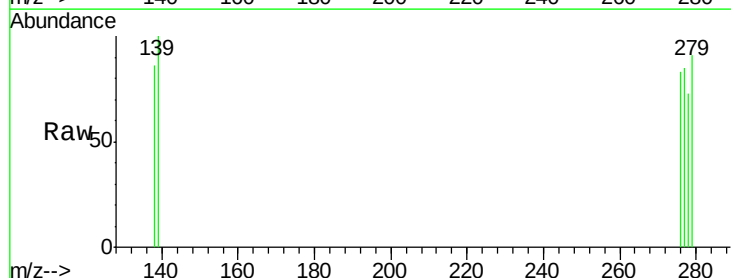
Tgt Ion: 278 Resp: 32

Ion Ratio Lower Upper

278 100

139 137.7 56.0 84.0#

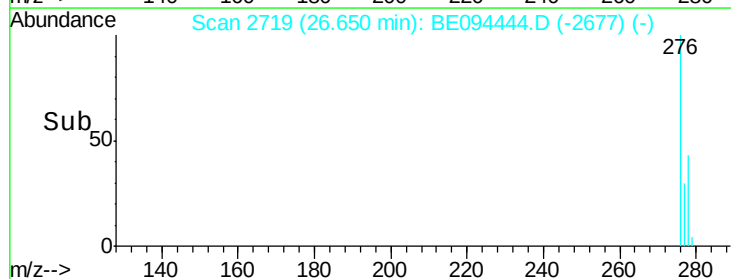
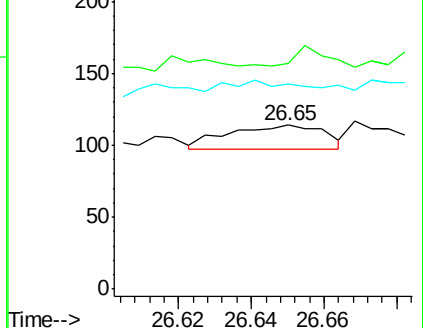
279 125.4 52.0 78.0#

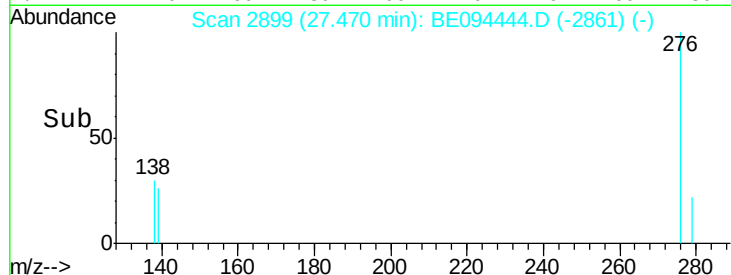
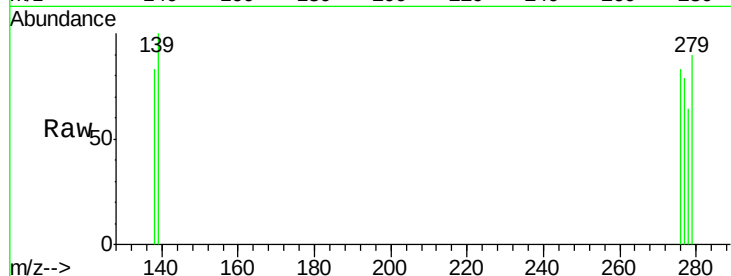
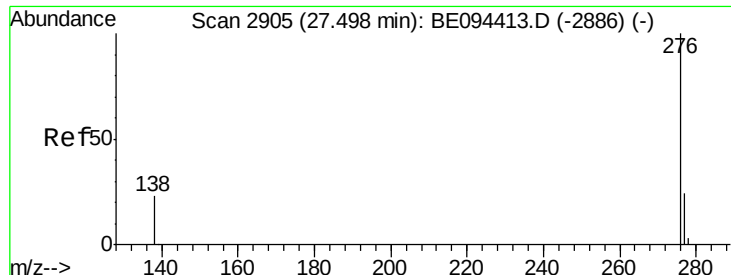


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.001 ng

RT: 27.47 min Scan# 2899

Delta R.T. -0.03 min

Lab File: BE094444.D

Acq: 19 Oct 2017 12:54

Instrument :

BNA_E

ClientSampleId :

PB103238BL

Tgt Ion:276 Resp: 35

Ion Ratio Lower Upper

276 100

277 95.5 52.0 78.0#

138 100.0 44.0 66.0#

