

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
 Data File : BE094427.D
 Acq On : 17 Oct 2017 11:47
 Operator : SJ/JU
 Sample : PB102812BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102812BL

Quant Time: Oct 17 20:16:14 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	7.92	152	1425	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	7152	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4420	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	9654	0.40	ng	0.00
27) Chrysene-d12	21.43	240	11075	0.40	ng	0.00
34) Perylene-d12	23.96	264	10336	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	1529	0.32	ng	0.00
5) Phenol-d6	7.14	99	1932	0.26	ng	0.01
8) Nitrobenzene-d5	9.08	82	1795	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	3560	0.32	ng	0.02
14) 2,4,6-Tribromophenol	16.06	330	372	0.22	ng	0.03
15) 2-Fluorobiphenyl	13.16	172	4716	0.30	ng	0.02
25) Fluoranthene-d10	19.29	212	40392	0.26	ng	0.00
29) Terphenyl-d14	19.87	244	6769	0.30	ng	0.00

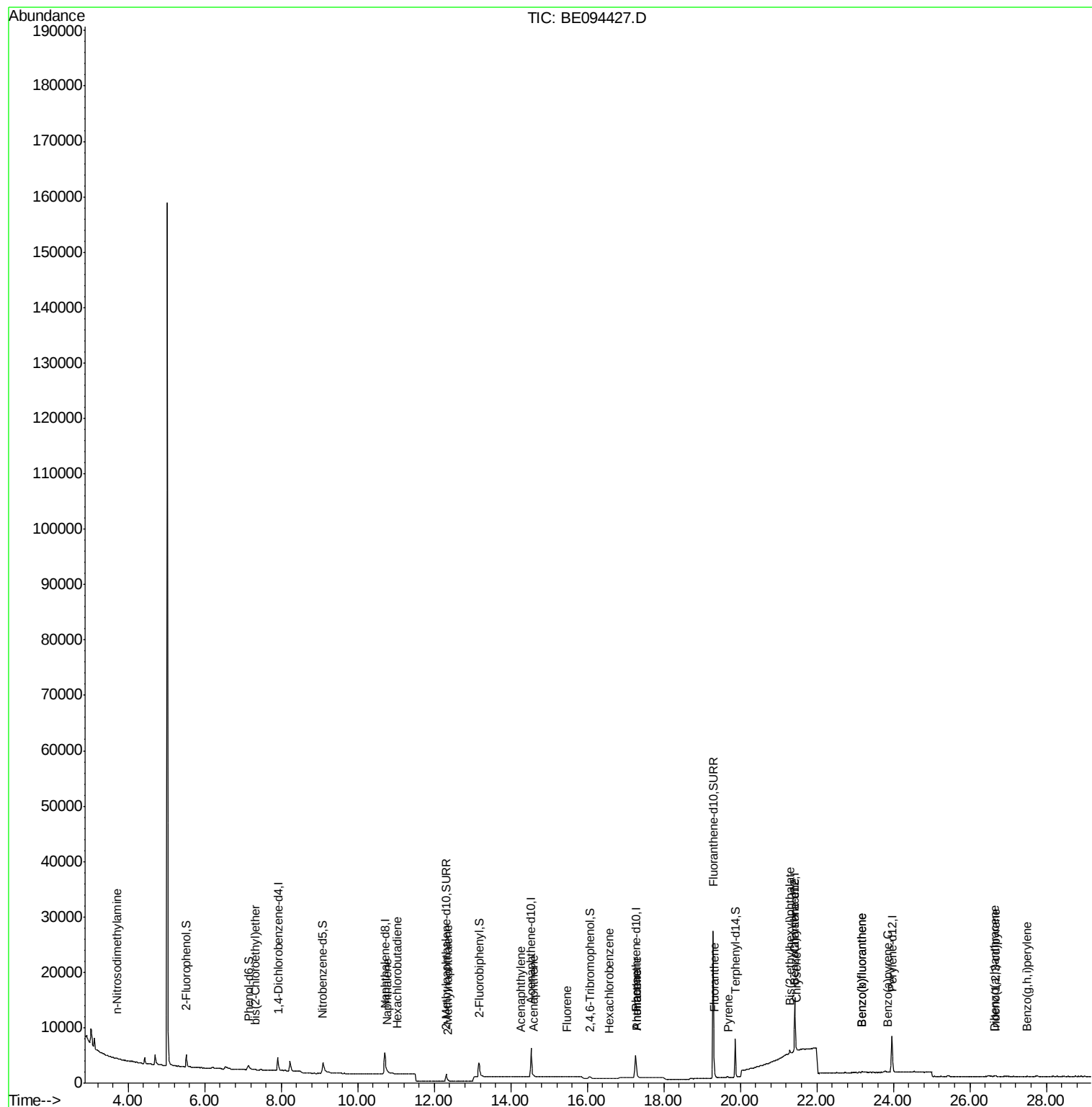
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	39	Below Cal	#	16
3) n-Nitrosodimethylamine	3.71	42	48	0.019 ng	#	17
6) bis(2-Chloroethyl)ether	7.33	93	17	0.003 ng	#	57
9) Naphthalene	10.76	128	73	0.001 ng	#	47
10) Hexachlorobutadiene	11.02	225	3	0.001 ng	#	1
12) 2-Methylnaphthalene	12.36	142	2	0.000 ng	#	46
16) Acenaphthylene	14.26	152	5	0.000 ng	#	86
17) Acenaphthene	14.60	154	11	0.001 ng	#	1
18) Fluorene	15.46	166	2	0.000 ng	#	1
21) Hexachlorobenzene	16.58	284	12	0.028 ng	#	42
23) Phenanthrene	17.30	178	37	0.001 ng	#	1
24) Anthracene	17.30	178	37	0.001 ng	#	30
26) Fluoranthene	19.32	202	78	0.002 ng	#	69
28) Pyrene	19.68	202	184	0.004 ng	#	83
30) Benzo(a)anthracene	21.42	228	215	0.006 ng	#	16
31) Chrysene	21.46	228	269	0.007 ng	#	49
32) Bis(2-ethylhexyl)phthalate	21.29	149	1405	0.013 ng	#	98
33) Indeno(1,2,3-cd)pyrene	26.66	276	96	0.003 ng	#	72
35) Benzo(b)fluoranthene	23.18	252	346	0.010 ng	#	41
36) Benzo(k)fluoranthene	23.18	252	346	0.010 ng	#	41
37) Benzo(a)pyrene	23.85	252	101	0.003 ng	#	1
38) Dibenzo(a,h)anthracene	26.65	278	28	0.001 ng	#	8
39) Benzo(g,h,i)perylene	27.49	276	10	0.000 ng	#	47

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

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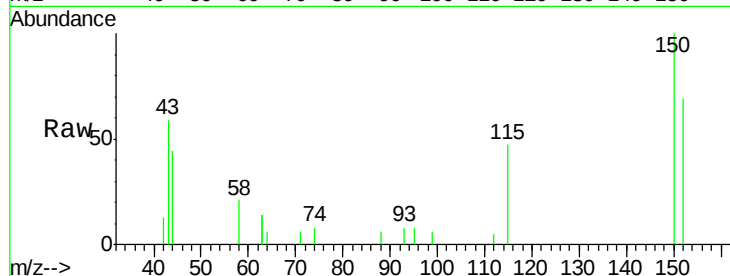


#1

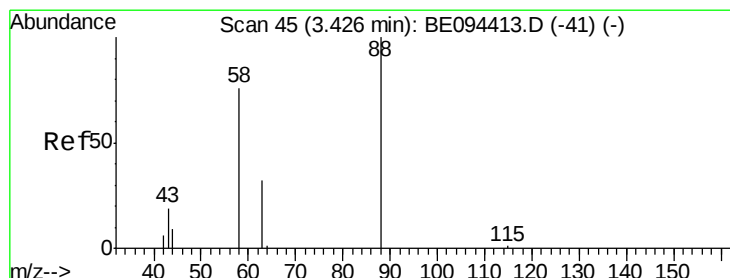
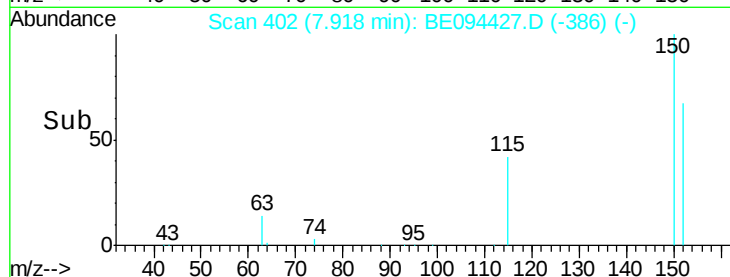
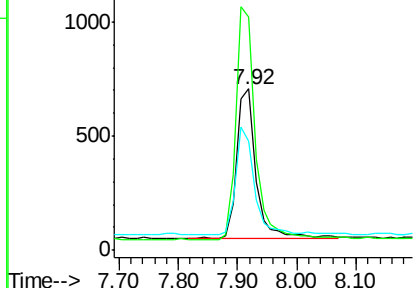
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094427.D
Acq: 17 Oct 2017 11:47

Instrument :
BNA_E
ClientSampleId :
PB102812BL

Tgt Ion: 152 Resp: 1425
Ion Ratio Lower Upper
152 100
150 144.3 117.2 175.8
115 68.0 57.0 85.6



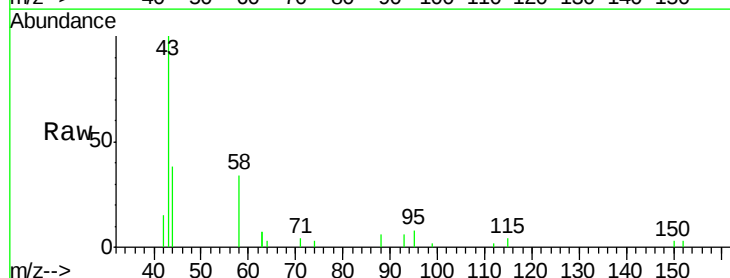
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



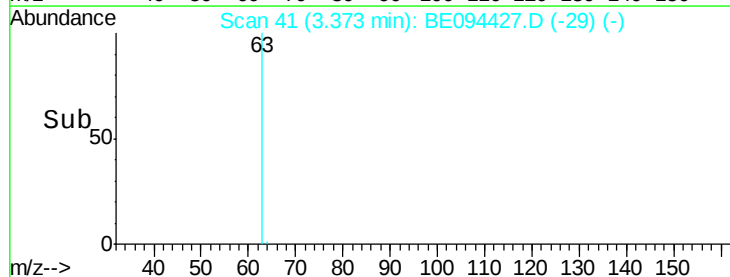
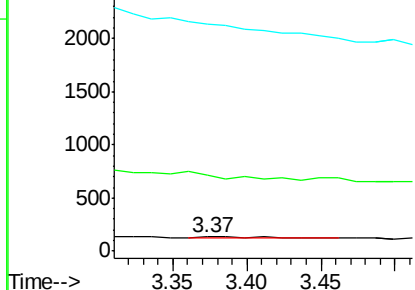
#2

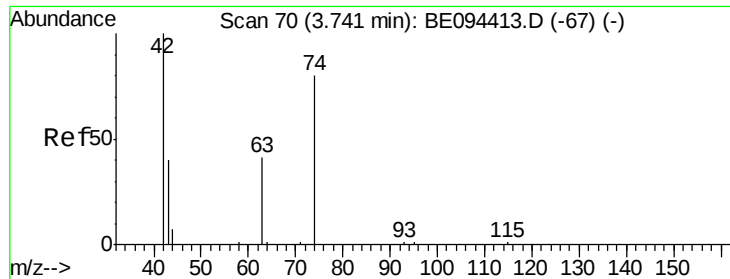
1,4-Dioxane
Concen: Below Cal
RT: 3.37 min Scan# 41
Delta R.T. -0.05 min
Lab File: BE094427.D
Acq: 17 Oct 2017 11:47

Tgt Ion: 88 Resp: 39
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: 0.019 ng

RT: 3.71 min Scan# 68

Delta R.T. -0.03 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

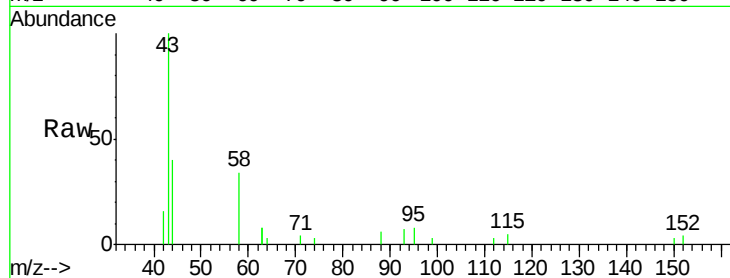
Tgt Ion: 42 Resp: 48

Ion Ratio Lower Upper

42 100

74 22.9 100.3 150.5#

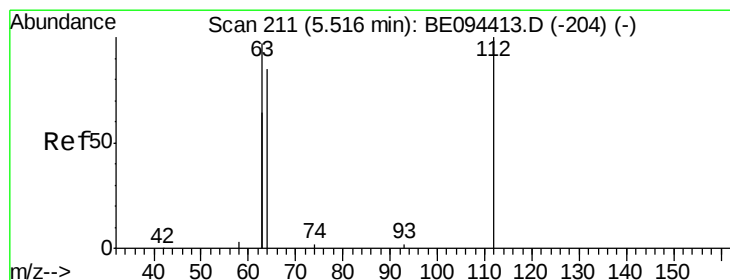
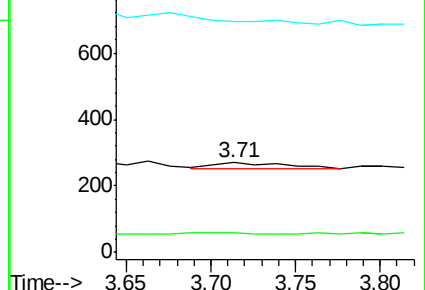
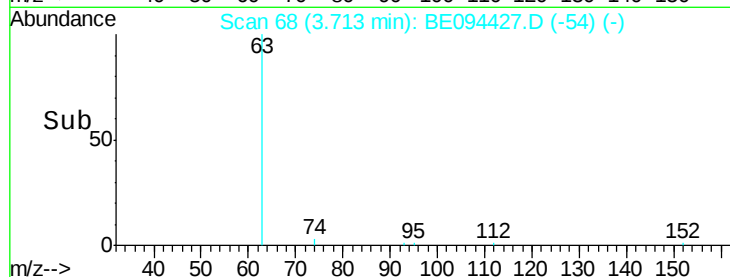
44 0.0 17.0 25.4#



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: 0.318 ng

RT: 5.51 min Scan# 211

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

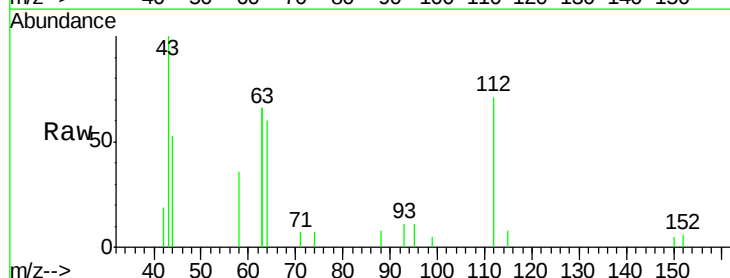
Tgt Ion: 112 Resp: 1529

Ion Ratio Lower Upper

112 100

64 73.9 60.1 90.1

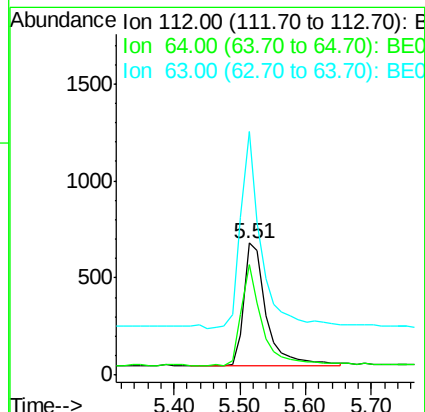
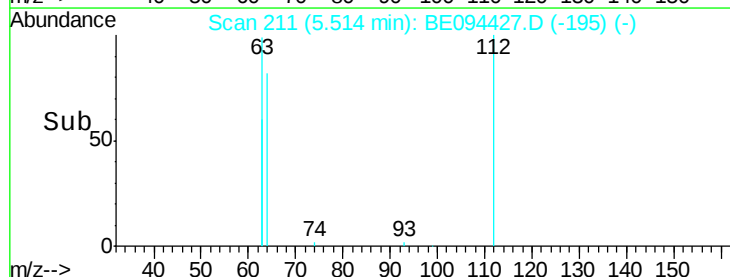
63 144.5 116.8 175.2

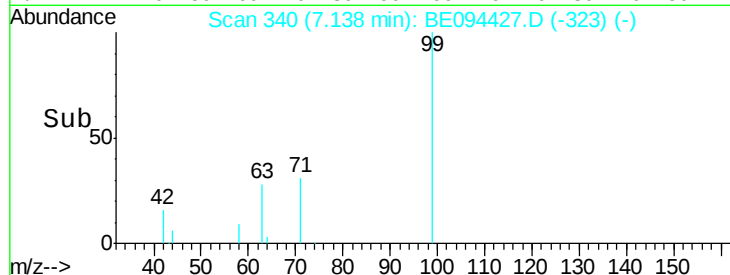
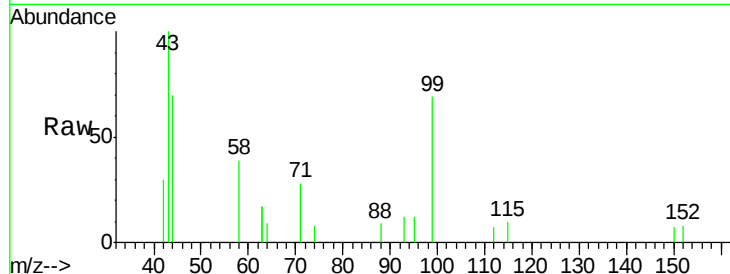
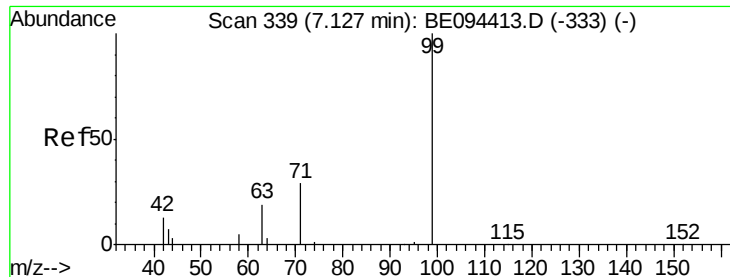


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.257 ng

RT: 7.14 min Scan# 340

Delta R.T. 0.01 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

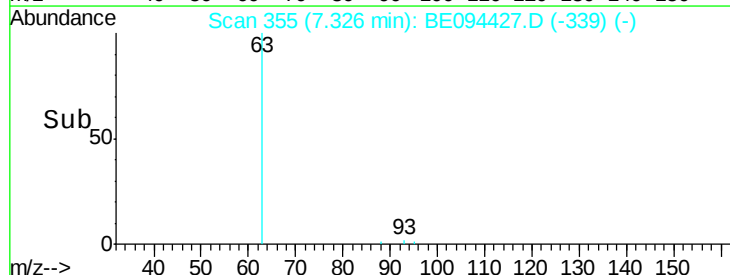
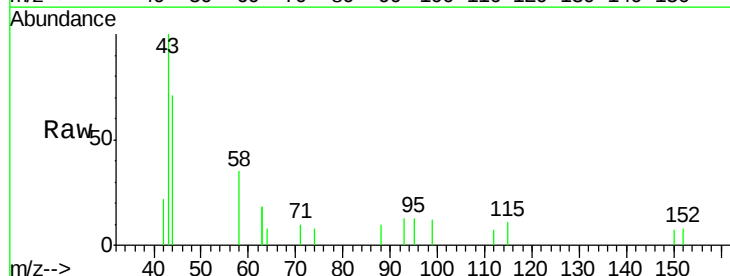
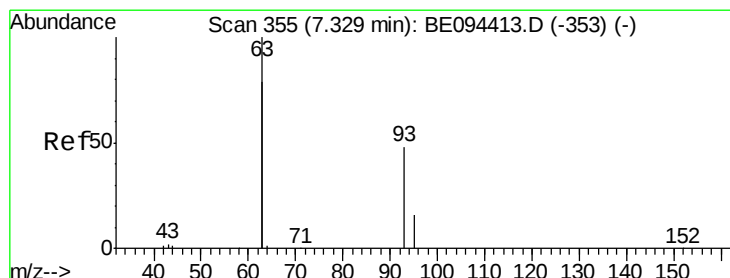
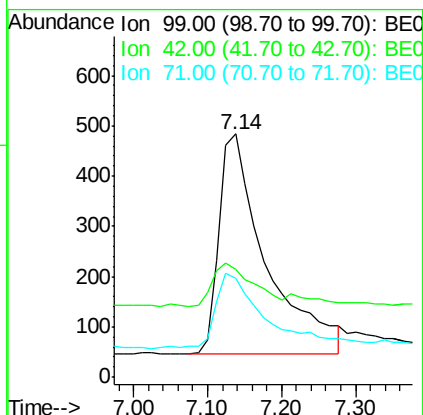
Tgt Ion: 99 Resp: 1932

Ion Ratio Lower Upper

99 100

42 16.7 20.2 30.2#

71 36.0 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

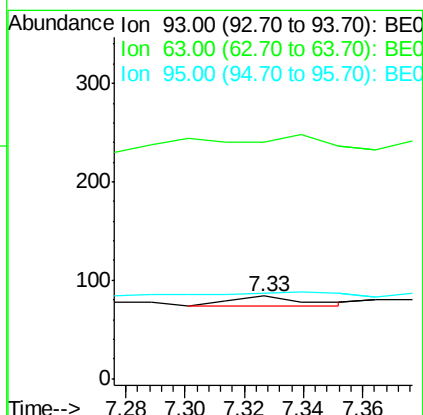
Tgt Ion: 93 Resp: 17

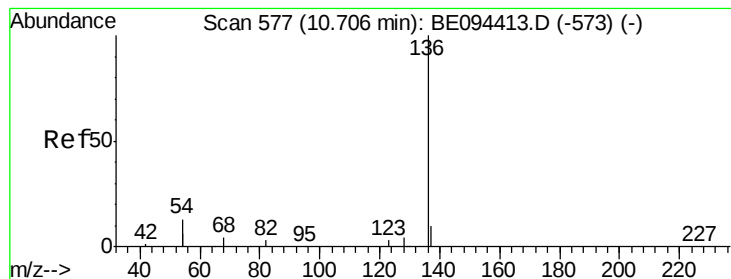
Ion Ratio Lower Upper

93 100

63 300.0 275.3 412.9

95 188.2 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: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

Tgt Ion: 136 Resp: 7152

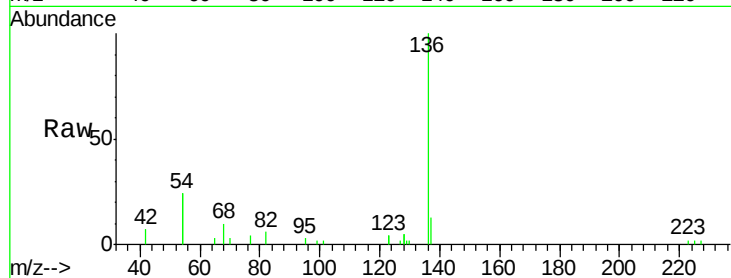
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 48.1 29.1 43.7#

68 9.6 6.2 9.2#

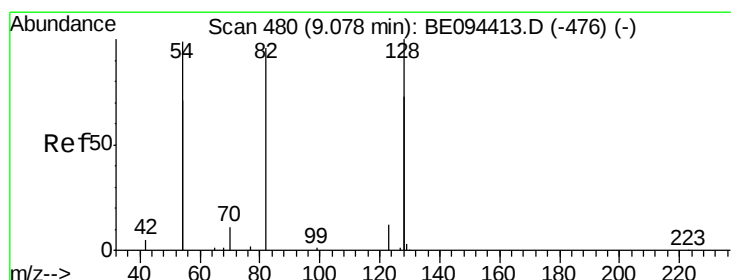
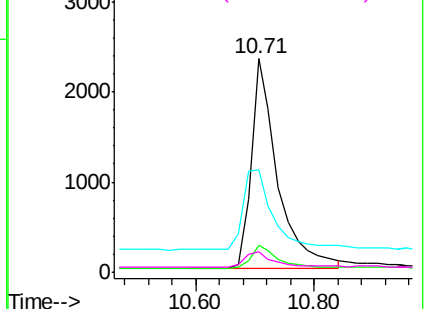
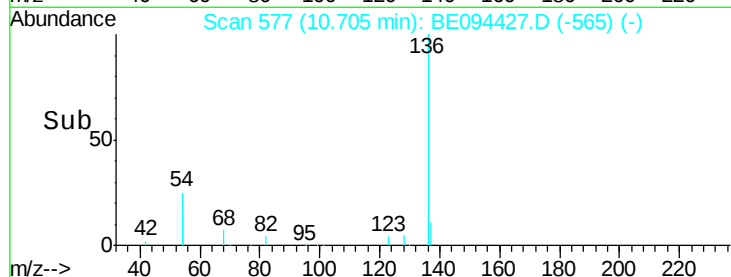


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.289 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

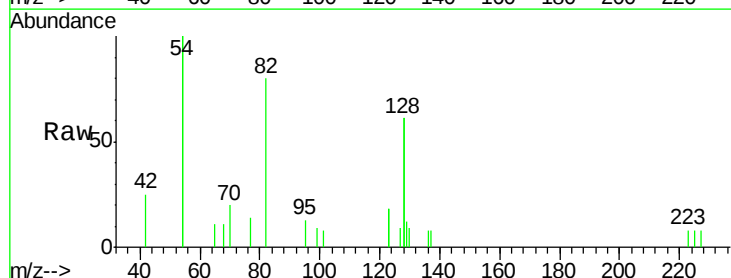
Tgt Ion: 82 Resp: 1795

Ion Ratio Lower Upper

82 100

128 152.4 150.0 225.0

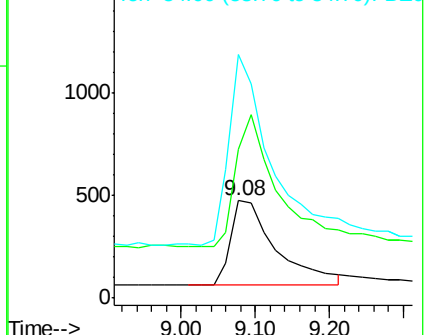
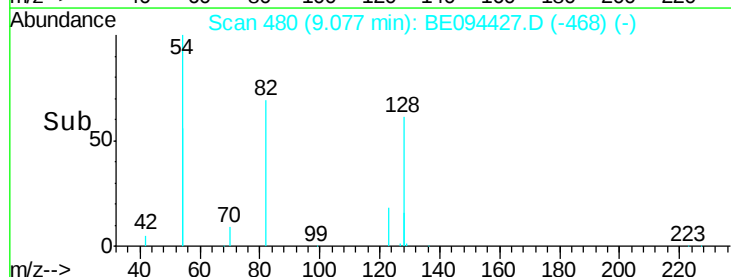
54 249.7 154.2 231.4#

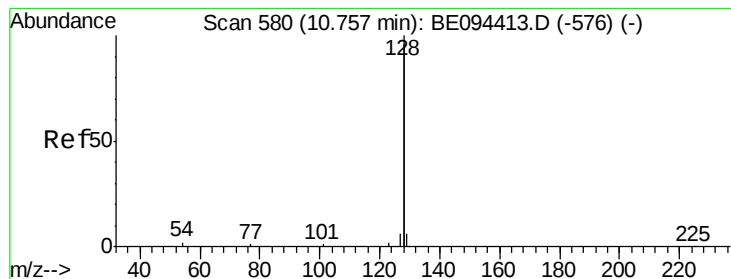


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE094427.D

Acq: 17 Oct 2017 11:47

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ClientSampleId :

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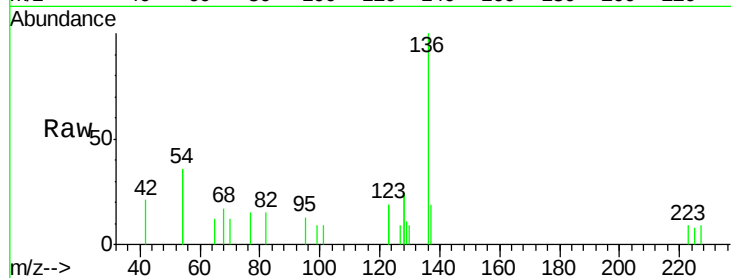
Tgt Ion:128 Resp: 73

Ion Ratio Lower Upper

128 100

129 22.7 2.6 3.8#

127 19.2 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.76

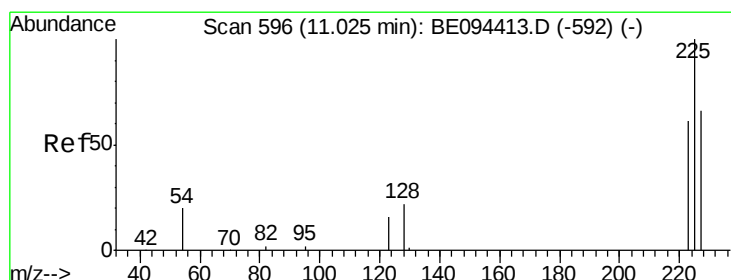
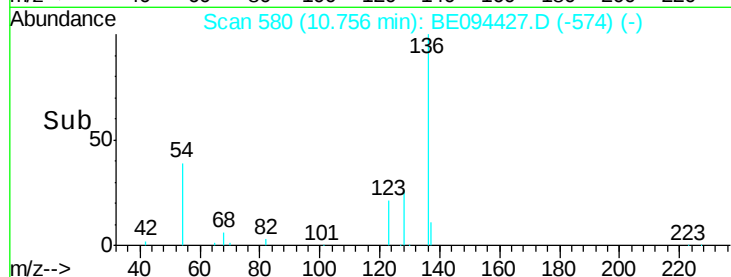
200

100

0

Time-->

10.70 10.80 10.90



#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

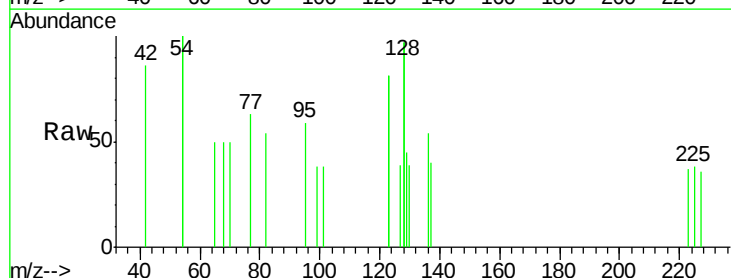
Tgt Ion:225 Resp: 3

Ion Ratio Lower Upper

225 100

223 200.0 53.0 79.6#

227 0.0 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

11.02

50

40

30

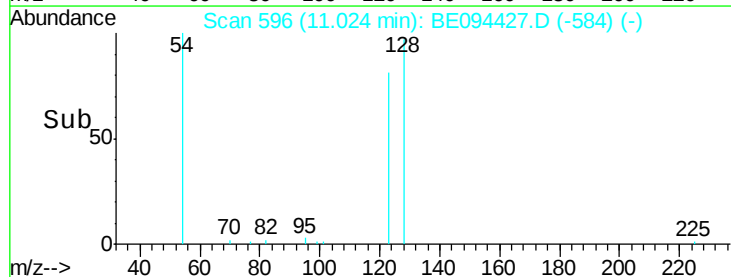
20

10

0

Time-->

10.95 11.00 11.05





#11

2-Methylnaphthalene-d10

Concen: 0.323 ng

RT: 12.31 min Scan# 829

Delta R.T. 0.02 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

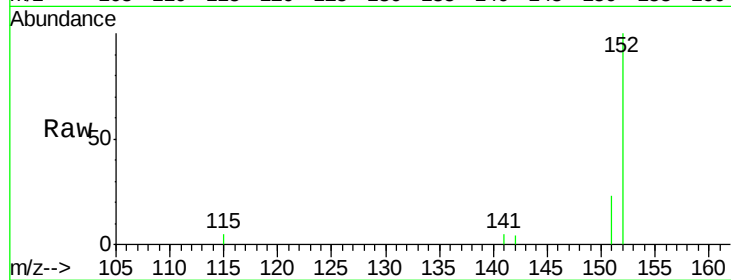
PB102812BL

Tgt Ion:152 Resp: 3560

Ion Ratio Lower Upper

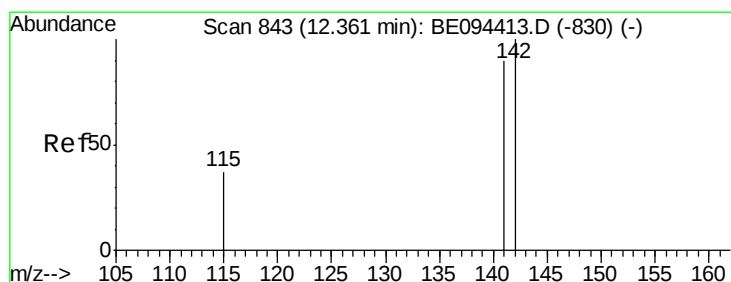
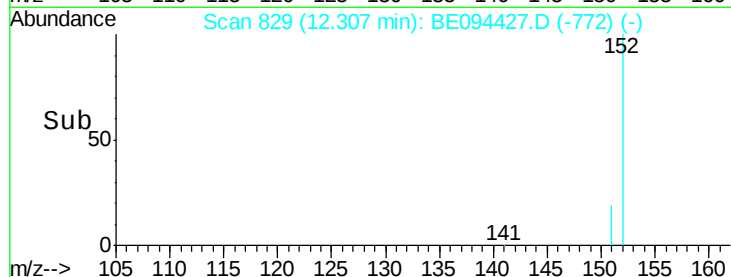
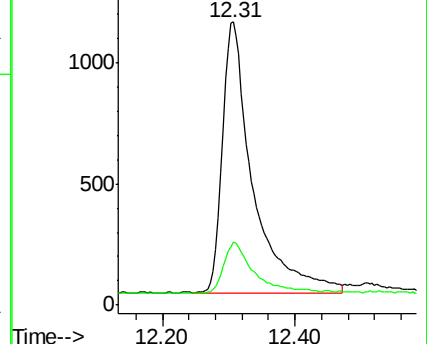
152 100

151 19.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.000 ng

RT: 12.36 min Scan# 844

Delta R.T. 0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

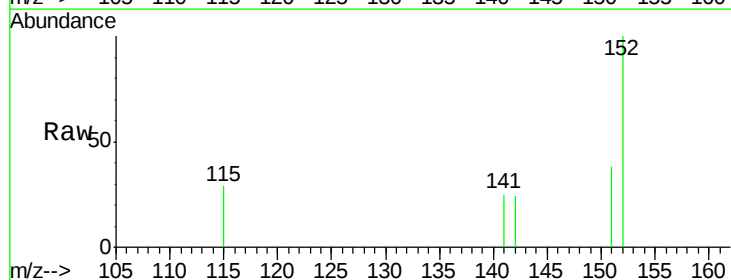
Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

142 100

141 105.5 70.4 105.6

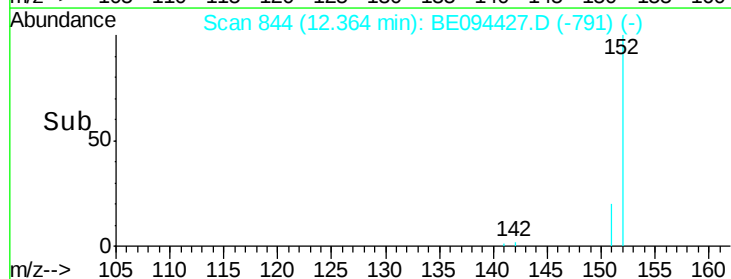
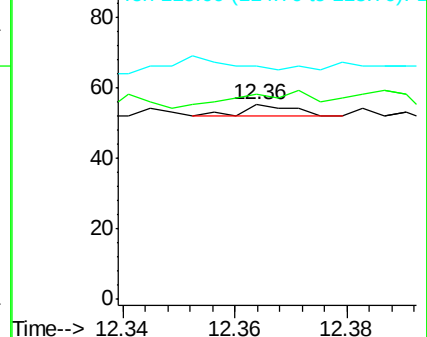
115 120.0 31.7 47.5#

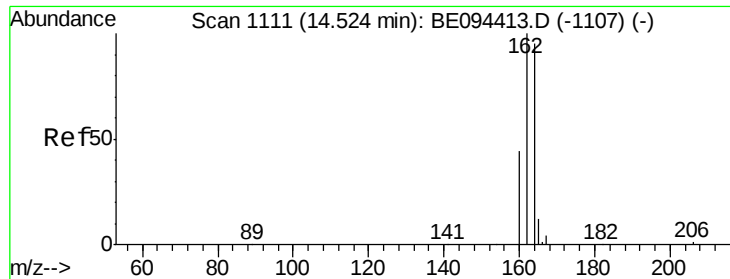


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

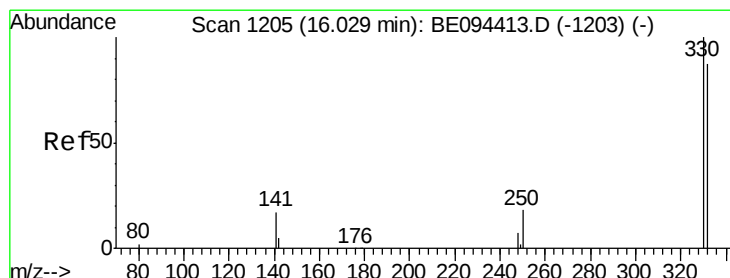
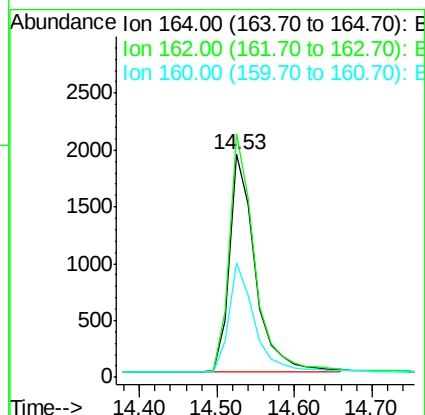
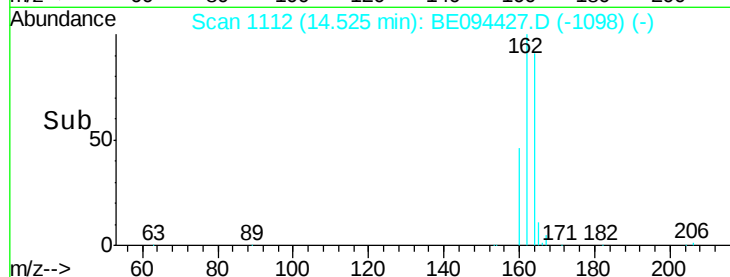
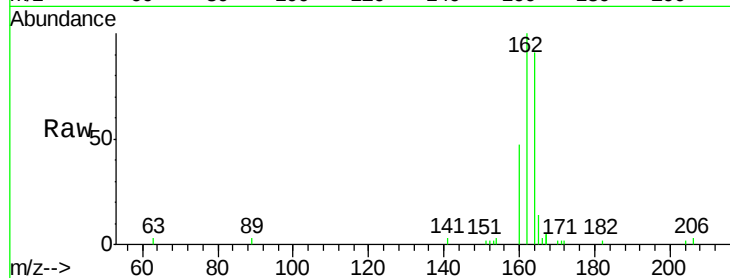
Tgt Ion:164 Resp: 4420

Ion Ratio Lower Upper

164 100

162 109.3 83.1 124.7

160 51.5 37.1 55.7



#14

2,4,6-Tribromophenol

Concen: 0.221 ng

RT: 16.06 min Scan# 1207

Delta R.T. 0.03 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

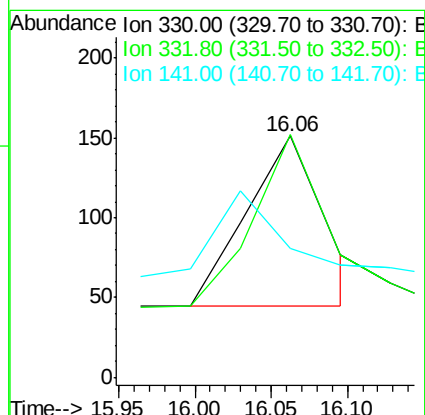
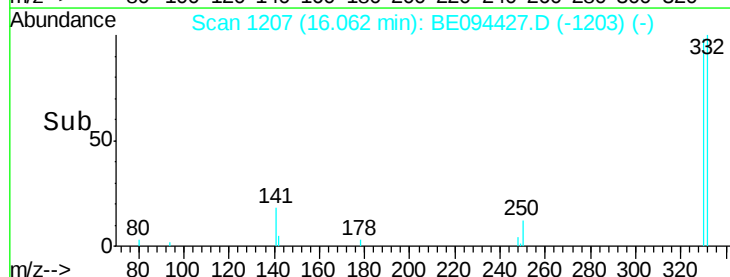
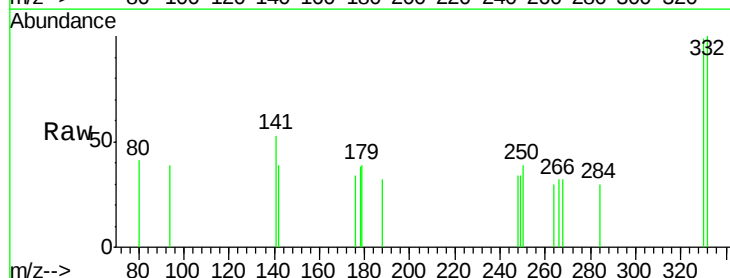
Tgt Ion:330 Resp: 372

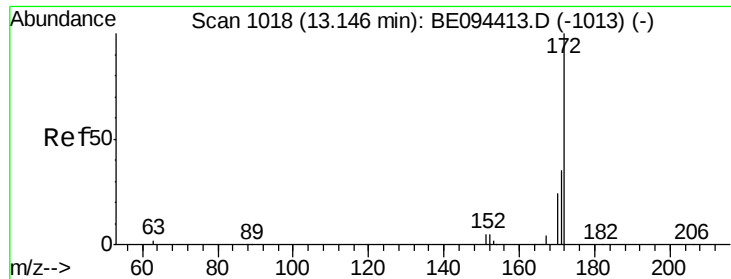
Ion Ratio Lower Upper

330 100

332 91.9 152.7 229.1#

141 0.0 33.7 50.5#

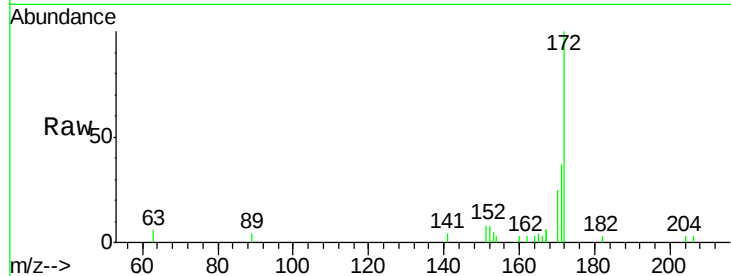




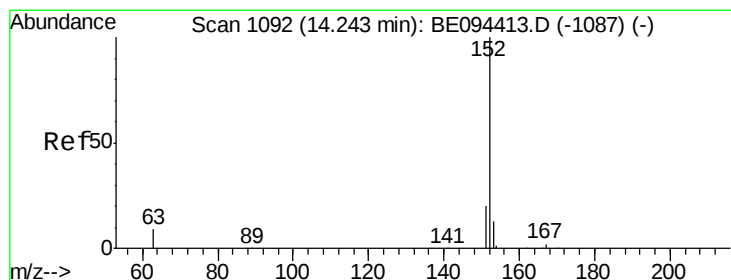
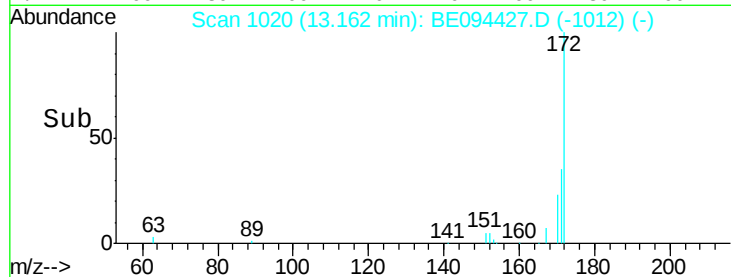
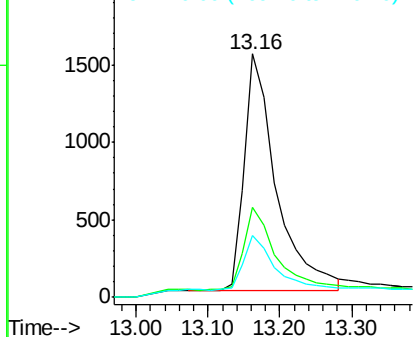
#15
2-Fluorobiphenyl
Concen: 0.299 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.02 min
Lab File: BE094427.D
Acq: 17 Oct 2017 11:47

Instrument :
BNA_E
ClientSampleId :
PB102812BL

Tgt Ion: 172 Resp: 4716
Ion Ratio Lower Upper
172 100
171 36.8 29.9 44.9
170 25.3 21.8 32.8

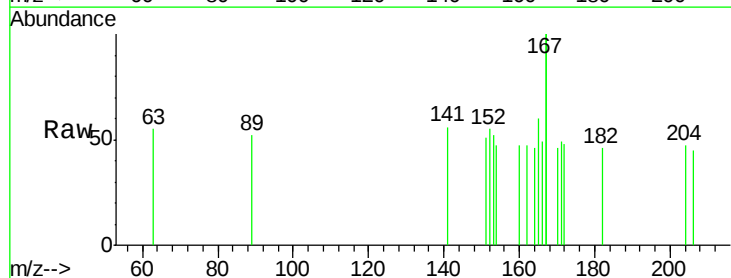


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

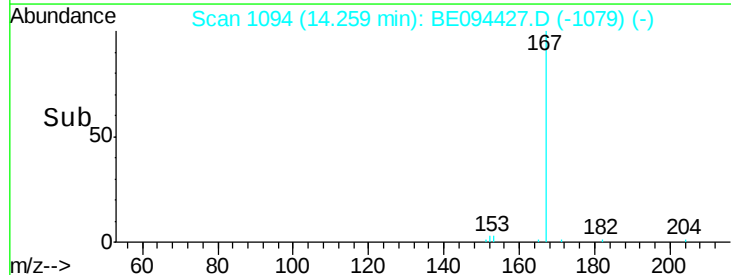
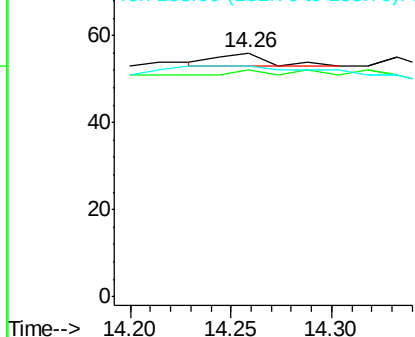


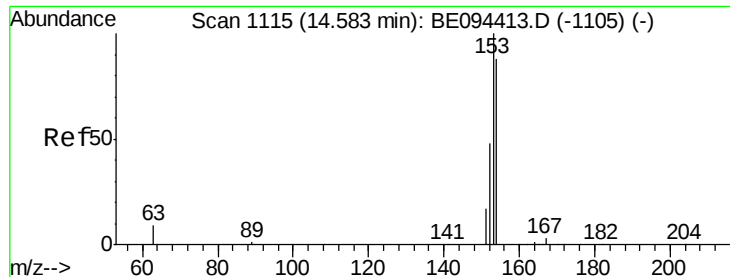
#16
Acenaphthylene
Concen: 0.000 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.02 min
Lab File: BE094427.D
Acq: 17 Oct 2017 11:47

Tgt Ion: 152 Resp: 5
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 0.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.60 min Scan# 1117

Delta R.T. 0.02 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

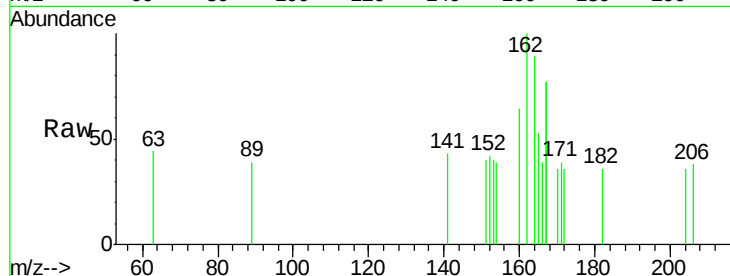
Tgt Ion:154 Resp: 11

Ion Ratio Lower Upper

154 100

153 18.2 89.2 133.8#

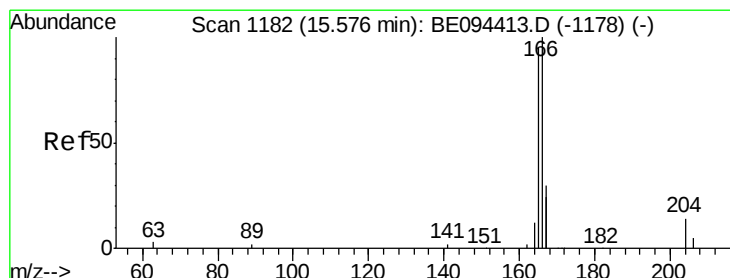
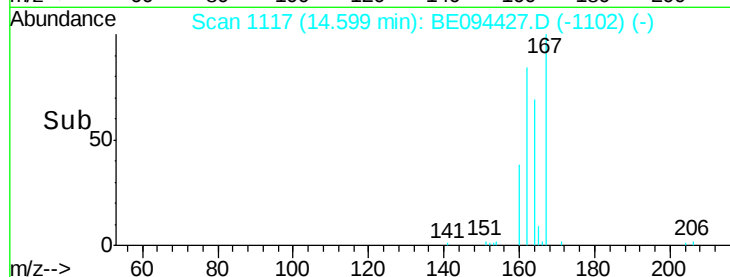
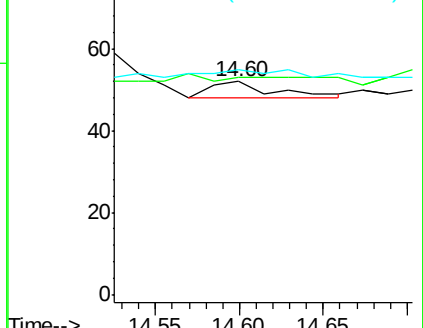
152 145.5 42.0 63.0#



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: 0.000 ng

RT: 15.46 min Scan# 1175

Delta R.T. -0.12 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

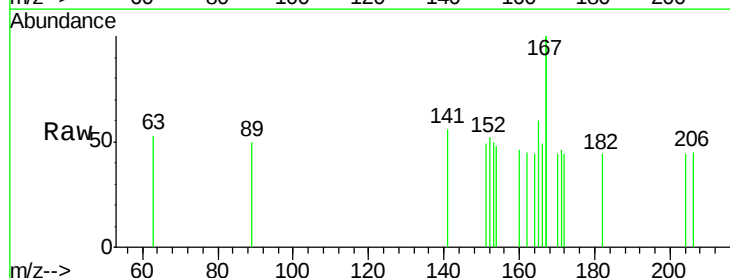
Tgt Ion:166 Resp: 2

Ion Ratio Lower Upper

166 100

165 0.0 77.8 116.6#

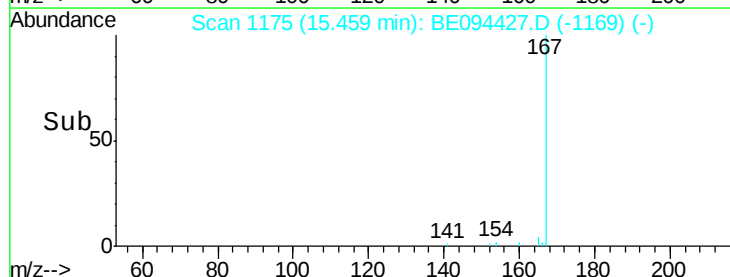
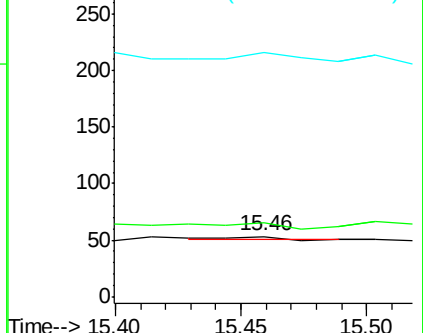
167 550.0 42.4 63.6#

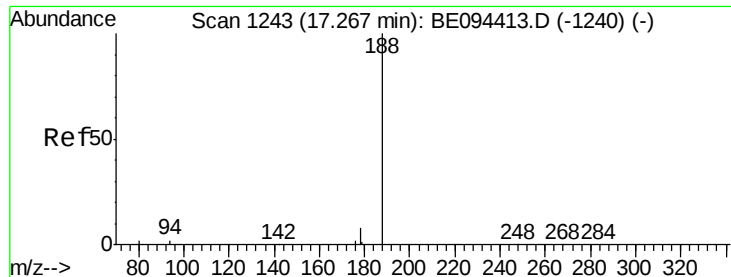


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1244

Delta R.T. 0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

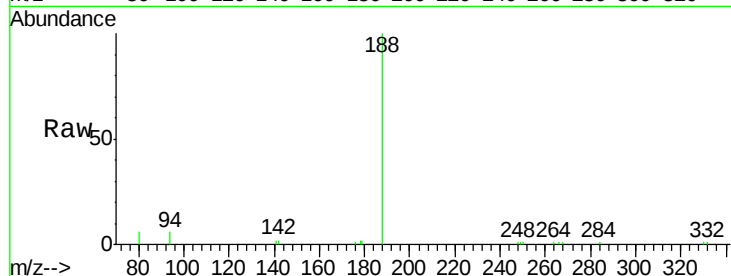
Tgt Ion:188 Resp: 9654

Ion Ratio Lower Upper

188 100

94 5.9 3.9 5.9

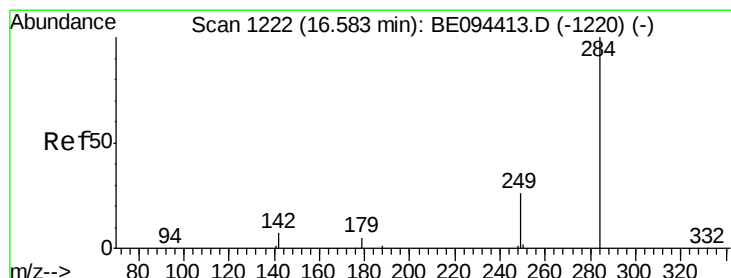
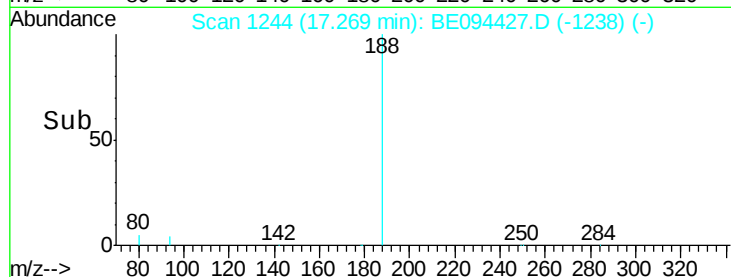
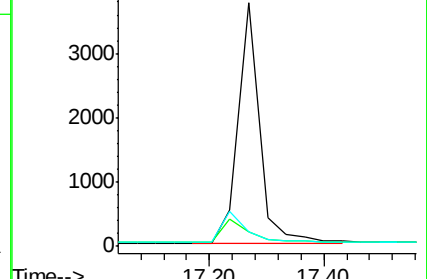
80 6.2 3.6 5.4#



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



#21

Hexachlorobenzene

Concen: 0.028 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

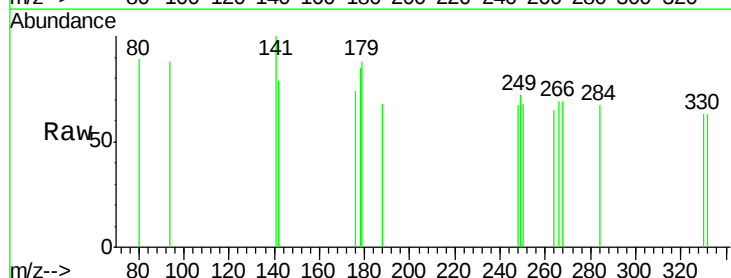
Tgt Ion:284 Resp: 12

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

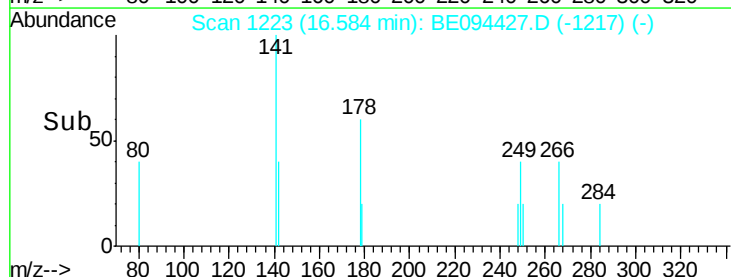
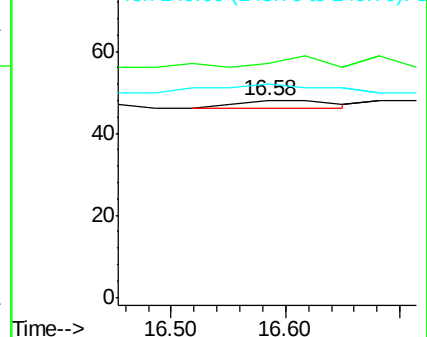
249 83.3 34.8 52.2#

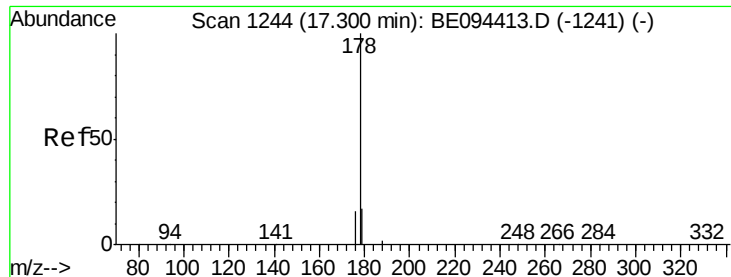


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#23

Phenanthrene

Concen: 0.001 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

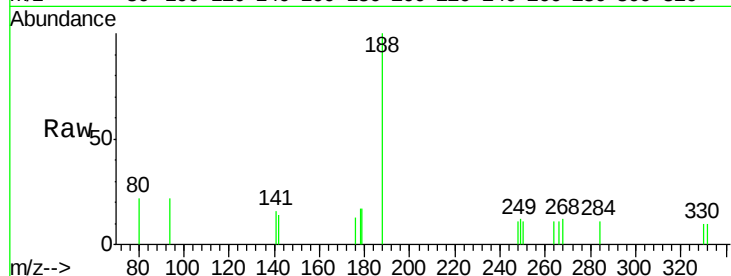
Tgt Ion:178 Resp: 37

Ion Ratio Lower Upper

178 100

176 105.4 15.1 22.7#

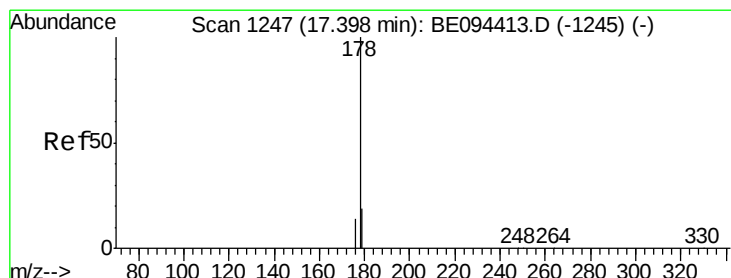
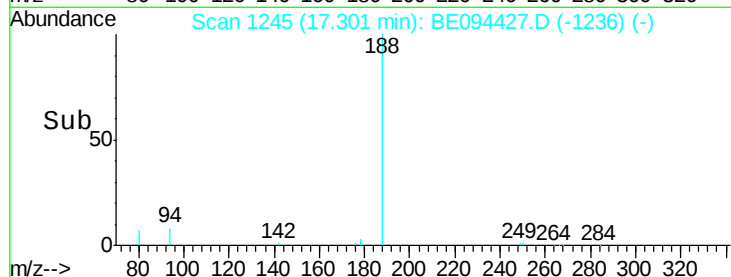
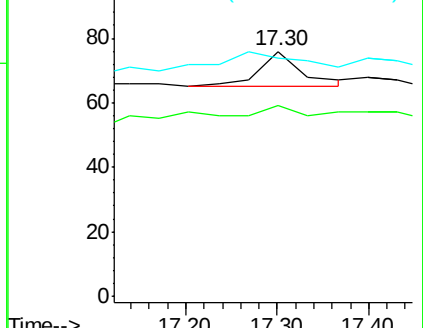
179 0.0 11.8 17.6#



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: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

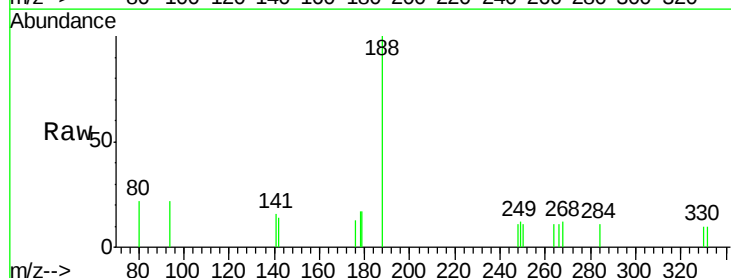
Tgt Ion:178 Resp: 37

Ion Ratio Lower Upper

178 100

176 59.5 12.8 19.2#

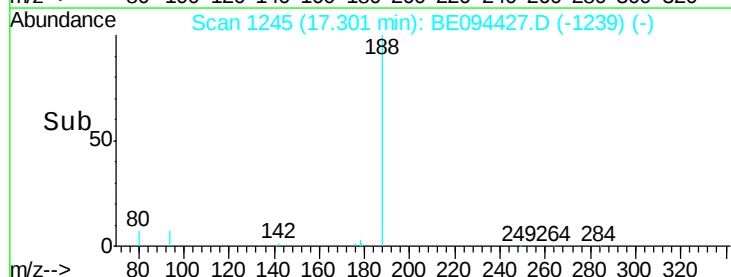
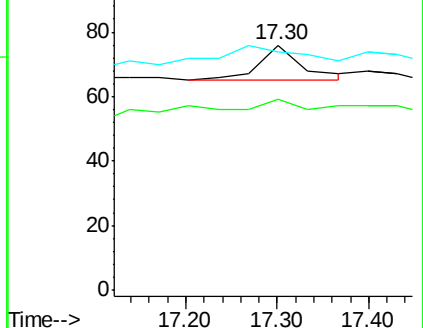
179 0.0 13.0 19.6#

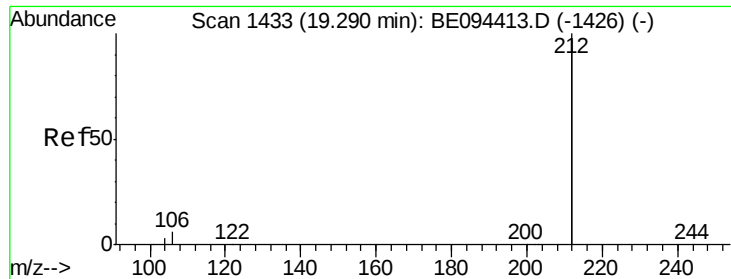


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

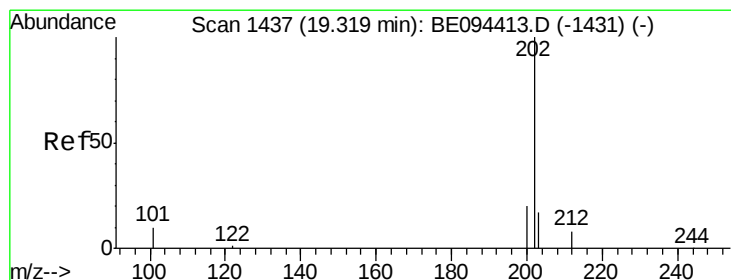
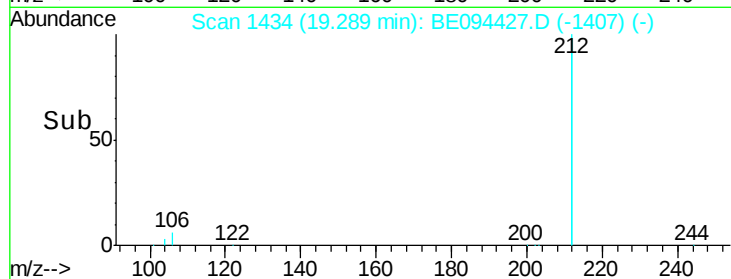
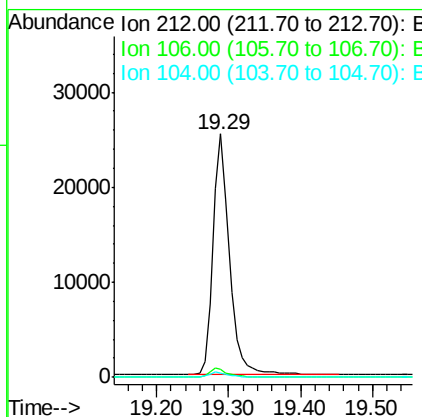
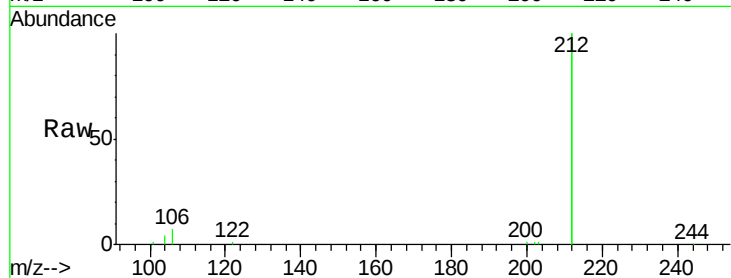




#25
 Fluoranthene-d10
 Concen: 0.260 ng
 RT: 19.29 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BE094427.D
 Acq: 17 Oct 2017 11:47

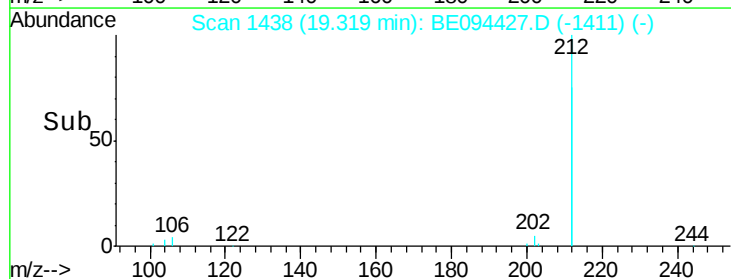
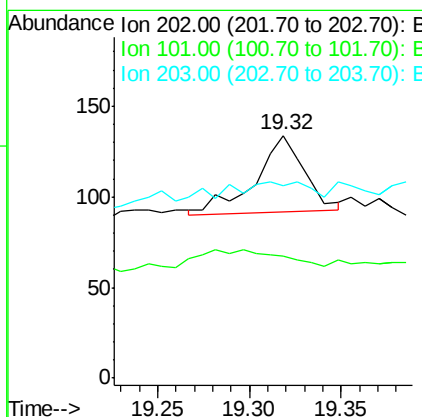
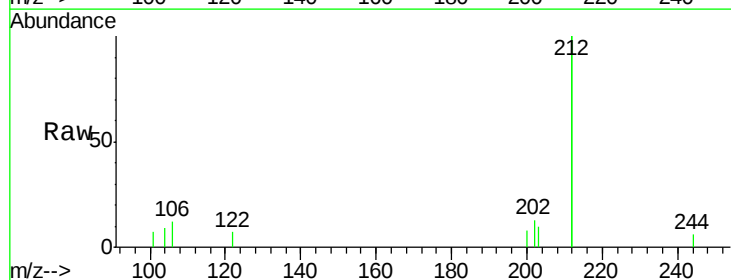
Instrument :
 BNA_E
 ClientSampleId :
 PB102812BL

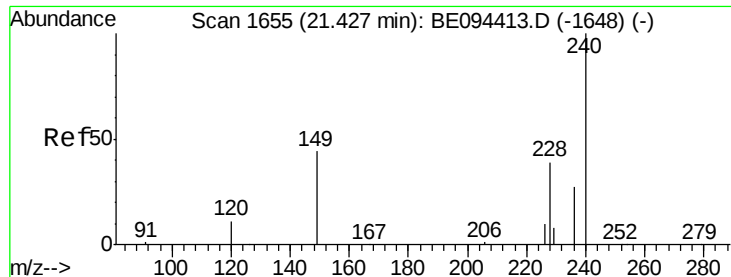
Tgt Ion: 212 Resp: 40392
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 2.0 1.6 2.4



#26
 Fluoranthene
 Concen: 0.002 ng
 RT: 19.32 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BE094427.D
 Acq: 17 Oct 2017 11:47

Tgt Ion: 202 Resp: 78
 Ion Ratio Lower Upper
 202 100
 101 0.0 9.8 14.8#
 203 30.8 13.7 20.5#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

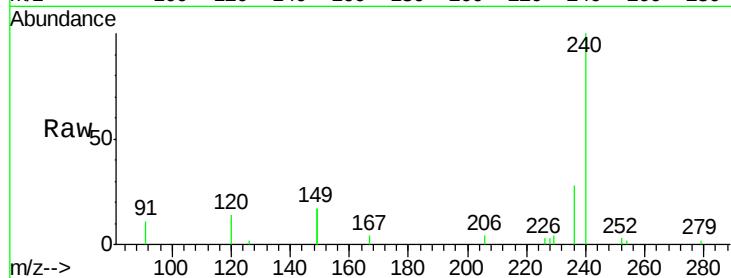
Tgt Ion:240 Resp: 11075

Ion Ratio Lower Upper

240 100

120 14.0 5.5 8.3#

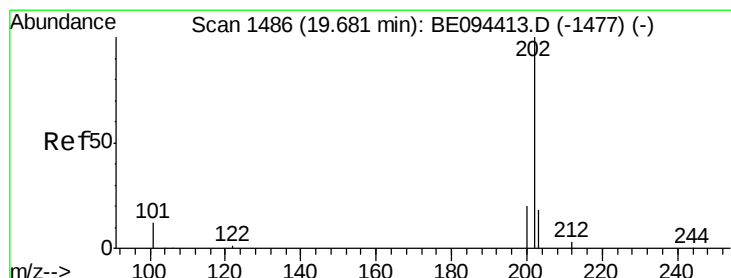
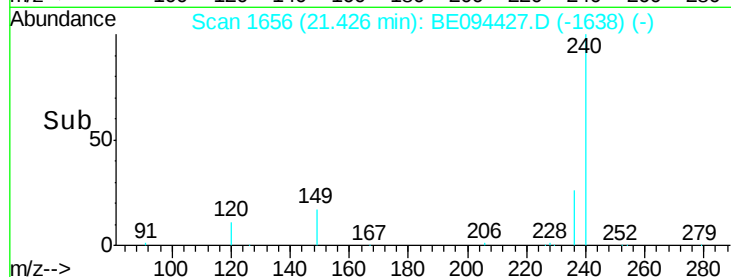
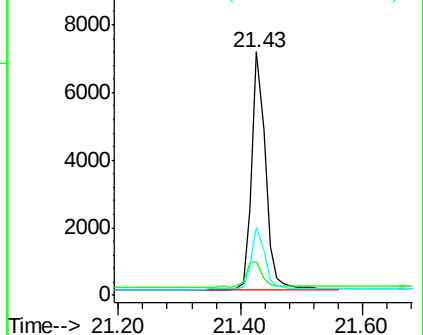
236 27.9 20.7 31.1



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: 0.004 ng

RT: 19.68 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

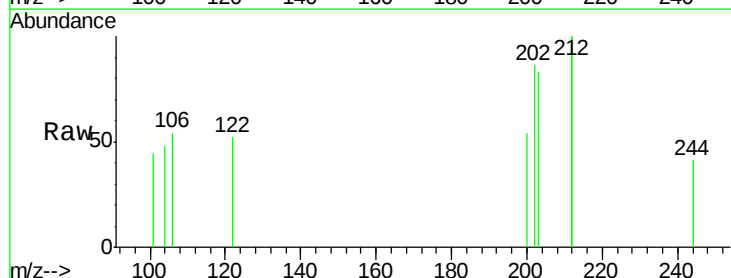
Tgt Ion:202 Resp: 184

Ion Ratio Lower Upper

202 100

200 11.4 16.6 25.0#

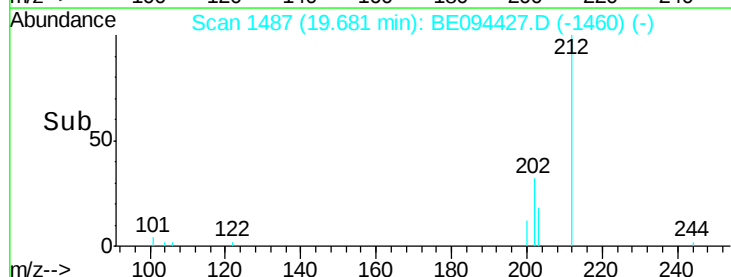
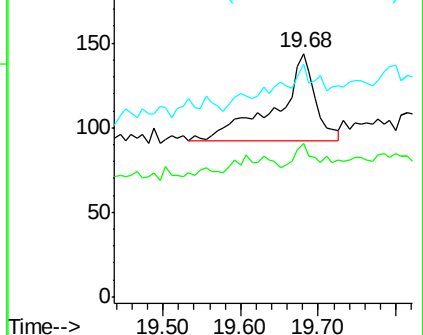
203 12.0 13.8 20.8#

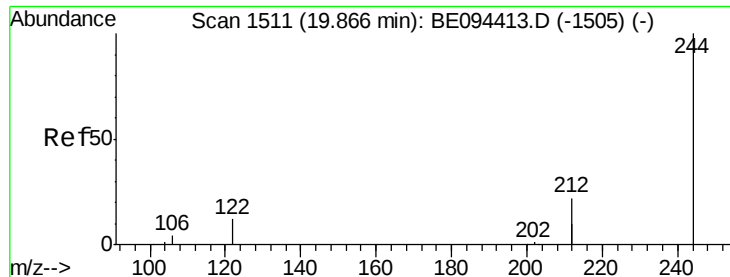


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.303 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

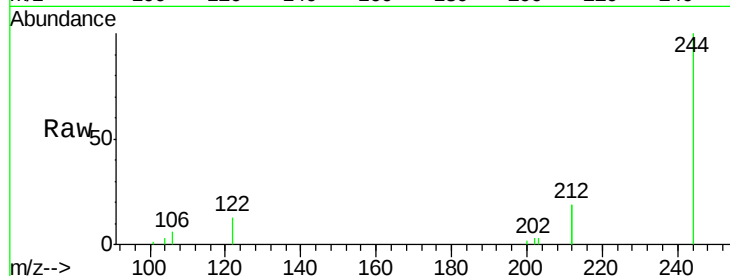
Tgt Ion:244 Resp: 6769

Ion Ratio Lower Upper

244 100

212 37.7 25.4 38.0

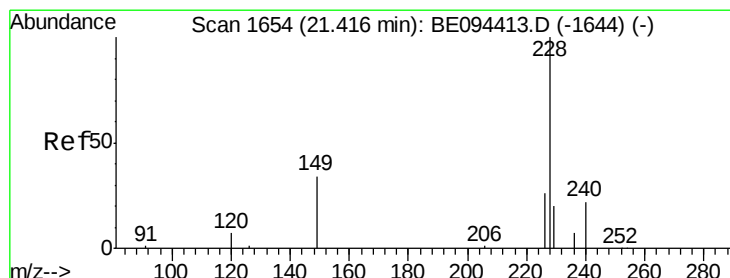
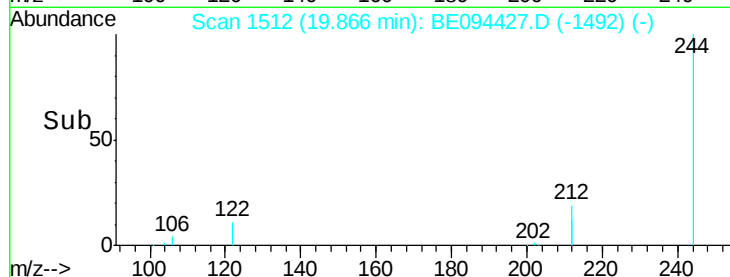
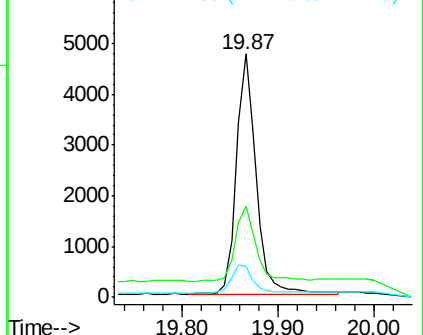
122 12.9 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.006 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

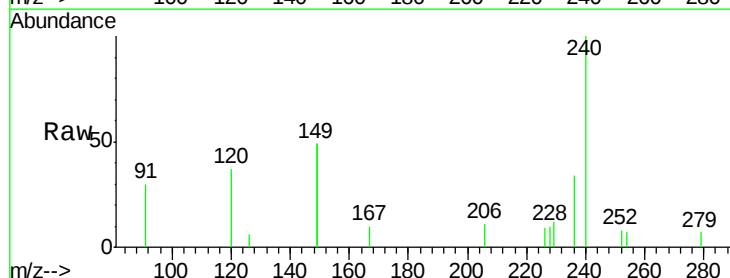
Tgt Ion:228 Resp: 215

Ion Ratio Lower Upper

228 100

226 94.4 40.0 60.0#

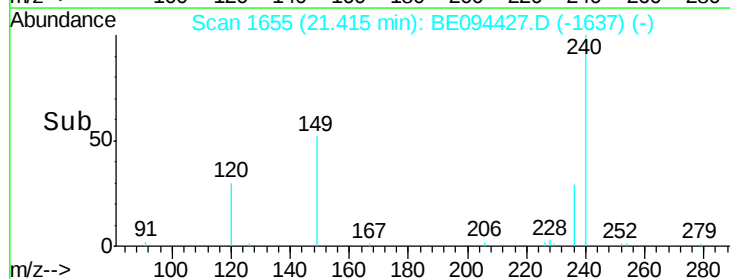
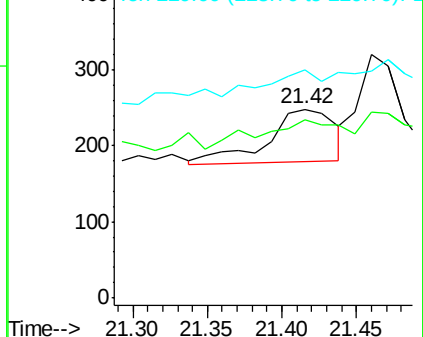
229 121.0 40.0 60.0#

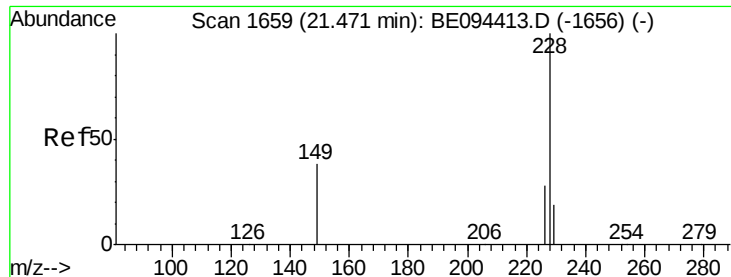


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.007 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

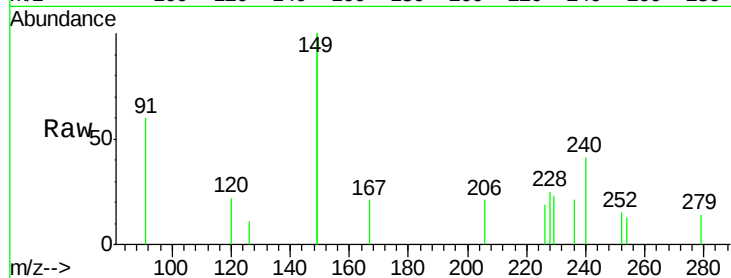
Tgt Ion: 228 Resp: 269

Ion Ratio Lower Upper

228 100

226 76.6 40.0 60.0#

229 93.4 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

21.46

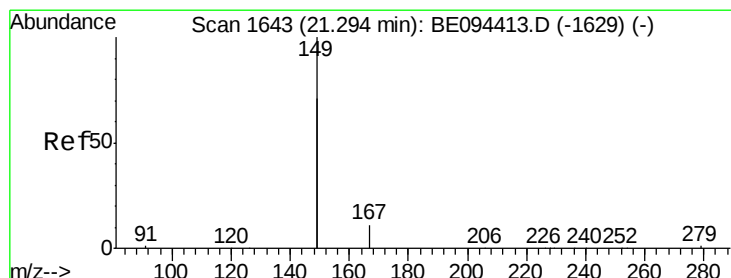
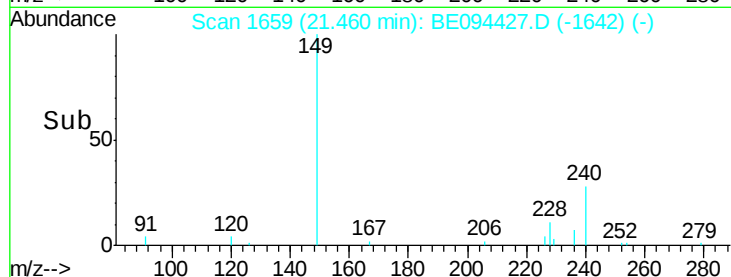
300

200

100

0

Time--> 21.40 21.45 21.50 21.55



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.013 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

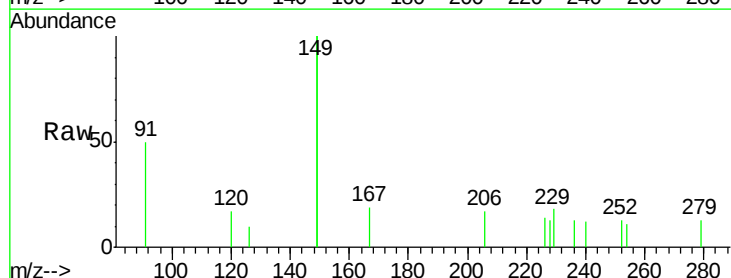
Tgt Ion: 149 Resp: 1405

Ion Ratio Lower Upper

149 100

167 7.2 5.4 8.0

279 3.3 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

21.29

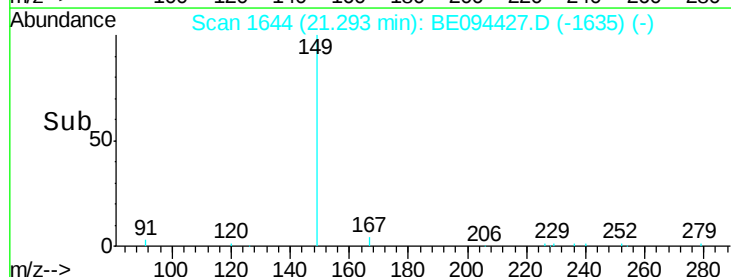
3000

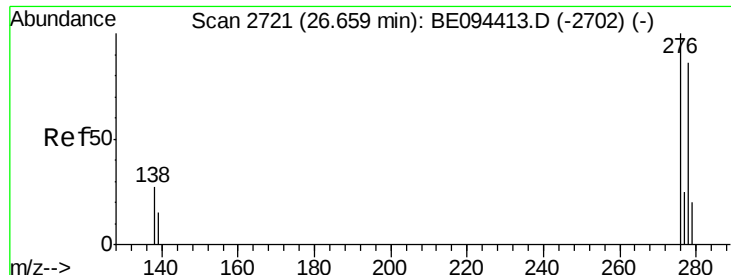
2000

1000

0

Time--> 21.20 21.30





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.003 ng

RT: 26.66 min Scan# 2722

Delta R.T. 0.00 min

Lab File: BE094427.D

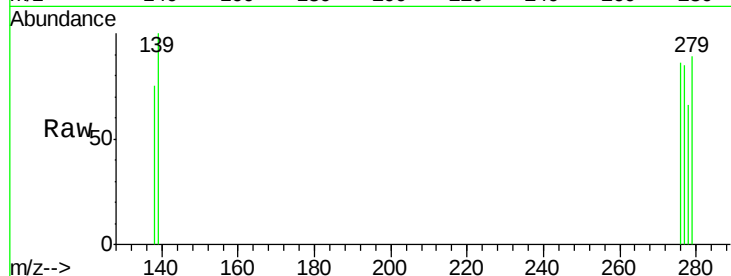
Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL



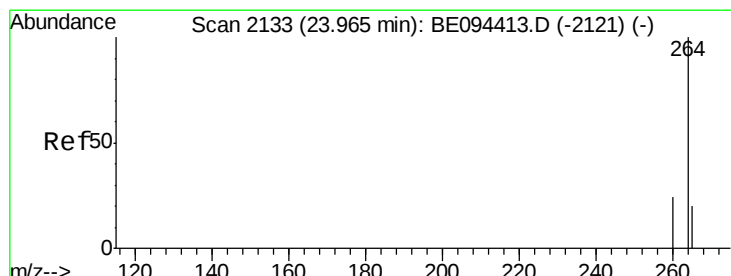
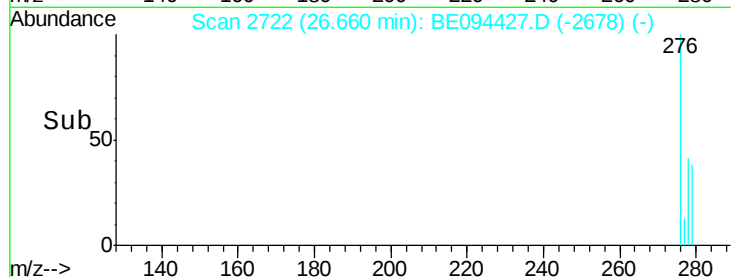
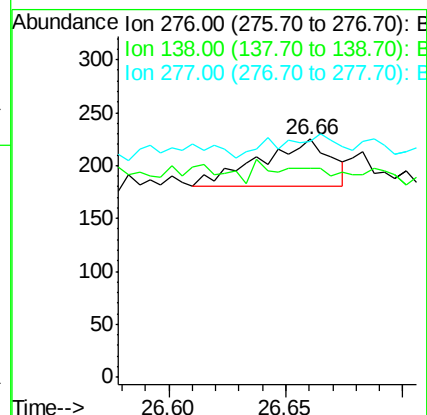
Tgt Ion: 276 Resp: 96

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

277 25.0 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.96 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

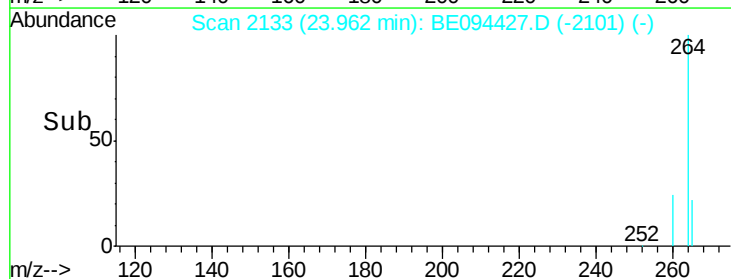
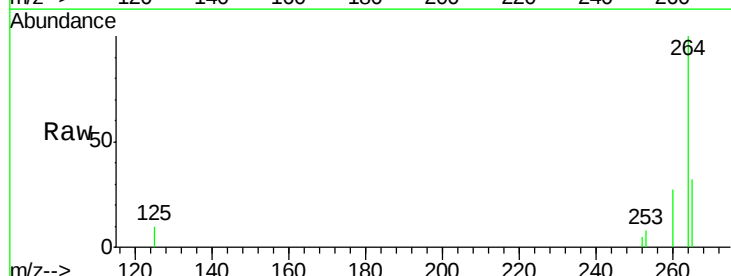
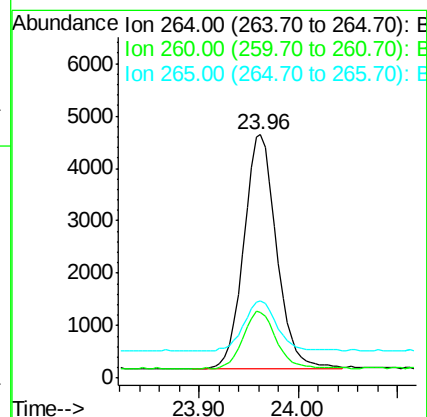
Tgt Ion: 264 Resp: 10336

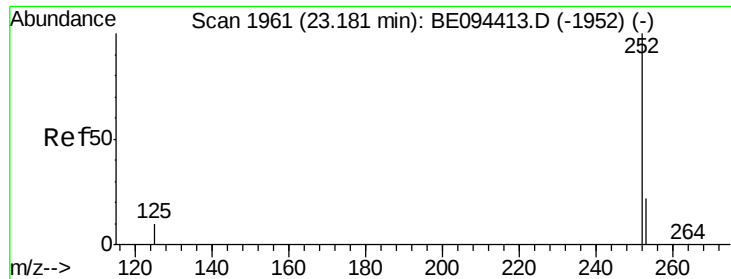
Ion Ratio Lower Upper

264 100

260 27.1 20.5 30.7

265 31.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.010 ng

RT: 23.18 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL

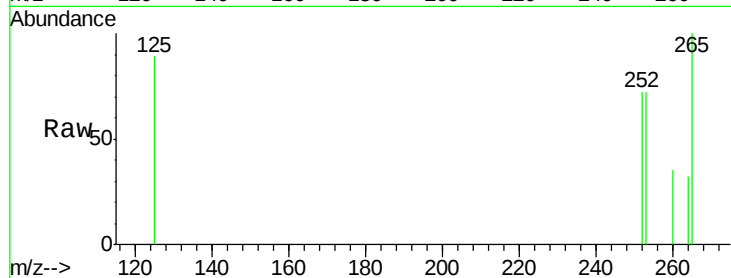
Tgt Ion:252 Resp: 346

Ion Ratio Lower Upper

252 100

253 99.5 48.0 72.0#

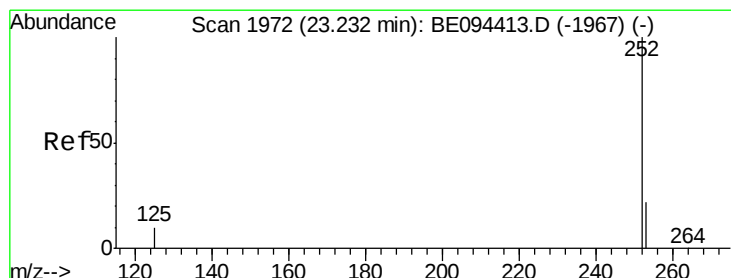
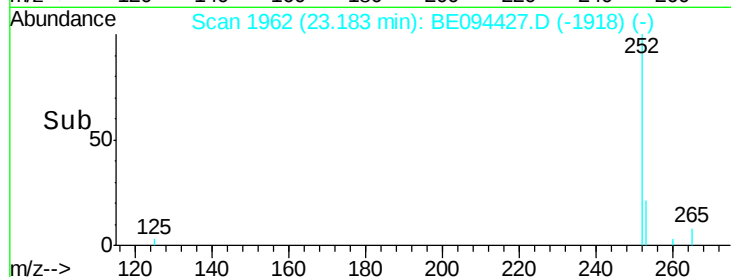
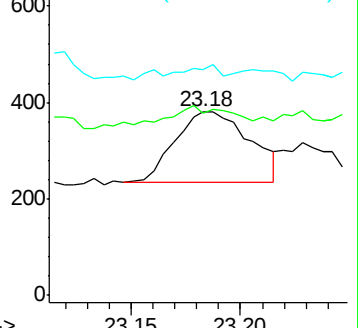
125 123.1 56.0 84.0#



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: 0.010 ng

RT: 23.18 min Scan# 1962

Delta R.T. -0.05 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

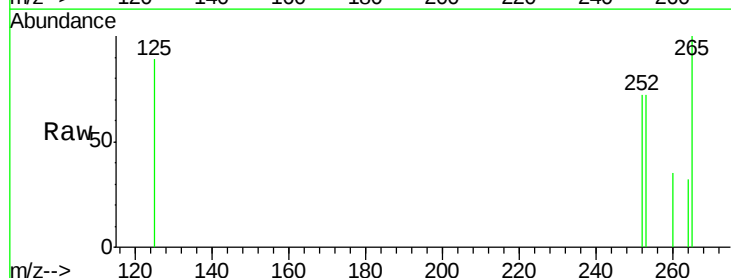
Tgt Ion:252 Resp: 346

Ion Ratio Lower Upper

252 100

253 99.5 48.0 72.0#

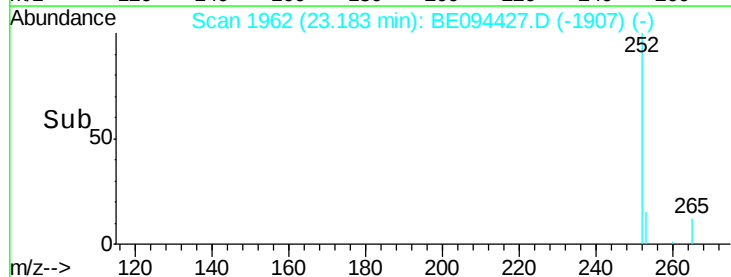
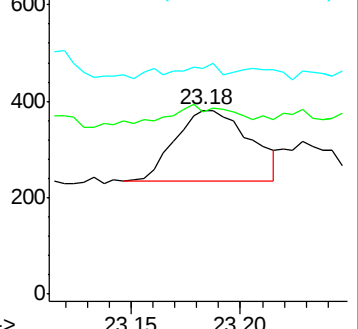
125 123.1 56.0 84.0#

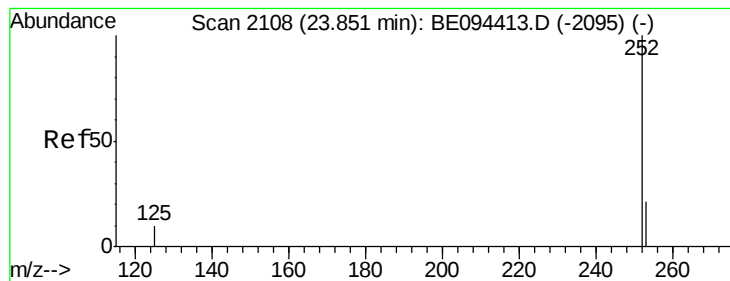


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.003 ng

RT: 23.85 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE094427.D

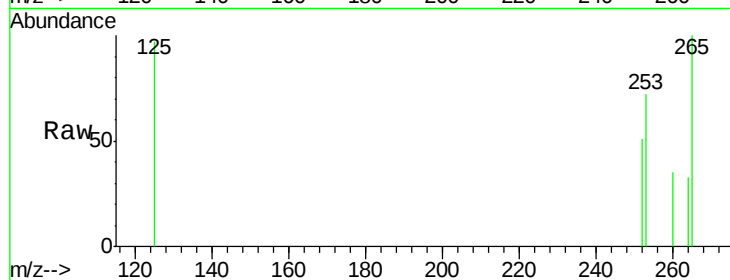
Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL



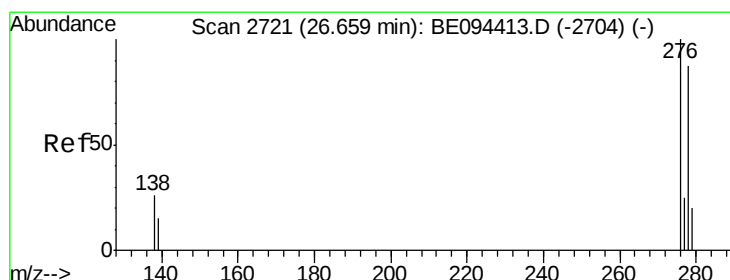
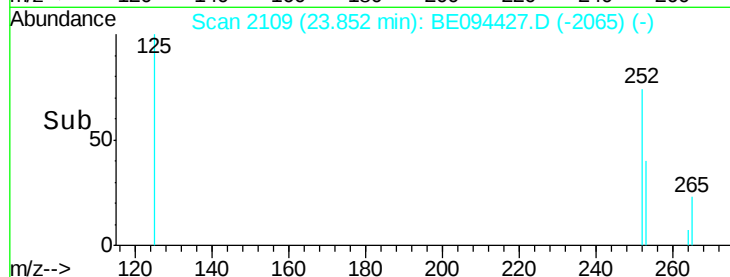
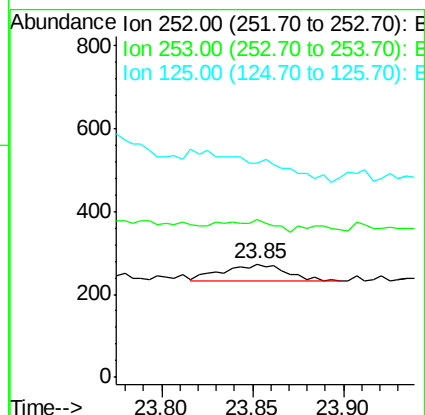
Tgt Ion: 252 Resp: 101

Ion Ratio Lower Upper

252 100

253 139.6 52.0 78.0#

125 189.4 68.0 102.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.001 ng

RT: 26.65 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BE094427.D

Acq: 17 Oct 2017 11:47

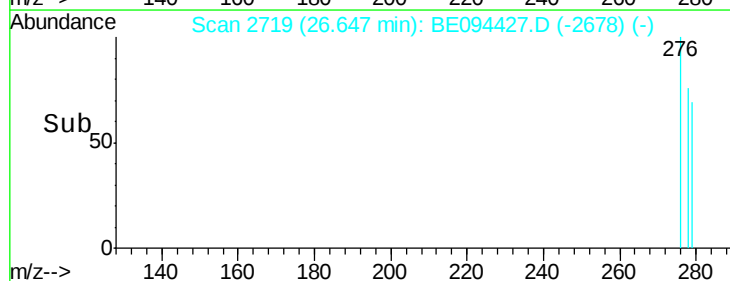
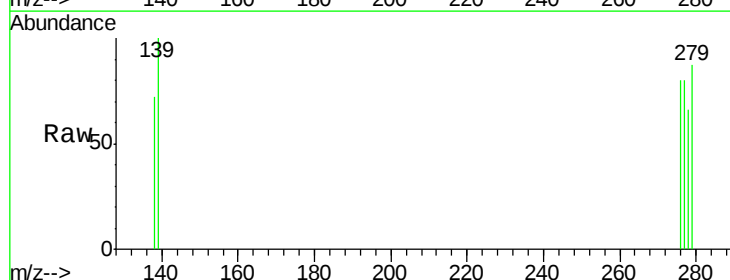
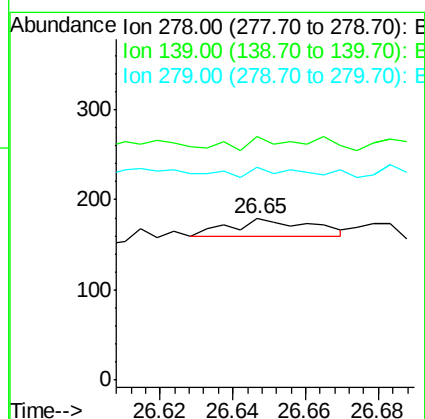
Tgt Ion: 278 Resp: 28

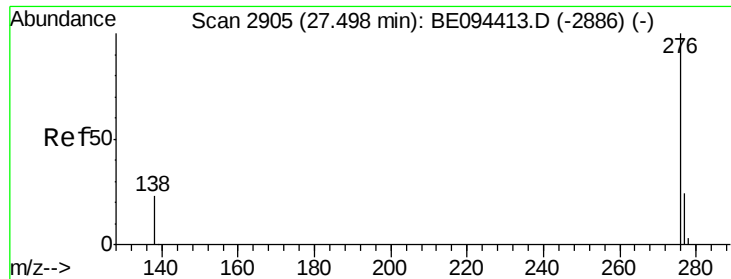
Ion Ratio Lower Upper

278 100

139 150.8 56.0 84.0#

279 131.8 52.0 78.0#





#39

Benzo(g,h,i)perylene

Concen: 0.000 ng

RT: 27.49 min Scan# 2904

Delta R.T. -0.01 min

Lab File: BE094427.D

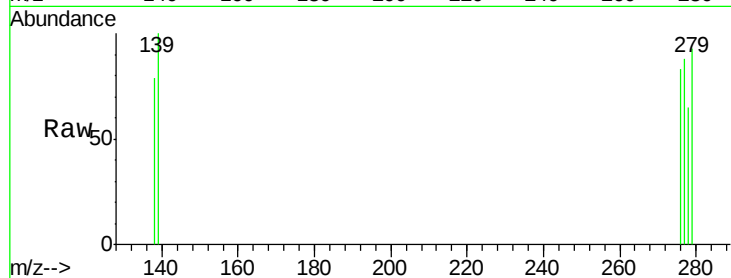
Acq: 17 Oct 2017 11:47

Instrument :

BNA_E

ClientSampleId :

PB102812BL



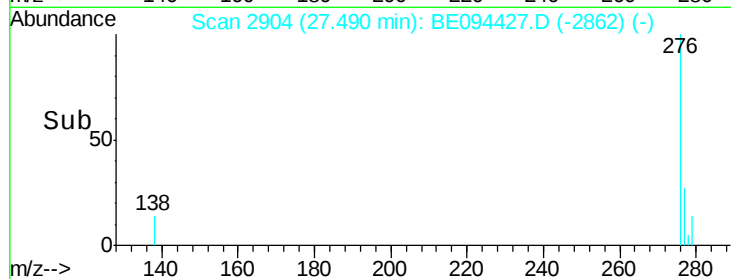
Tgt Ion: 276 Resp: 10

Ion Ratio Lower Upper

276 100

277 105.8 52.0 78.0#

138 95.1 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

27.49

200

150

100

50

0

Time-->