

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094450.D
 Acq On : 19 Oct 2017 16:35
 Operator : SJ/JU
 Sample : I5819-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3904-PP2

Quant Time: Oct 20 12:40:50 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	1594	0.40	ng	-0.02
7) Naphthalene-d8	10.69	136	7977	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4827	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	12646	0.40	ng	-0.03
27) Chrysene-d12	21.41	240	11291	0.40	ng	-0.01
34) Perylene-d12	23.94	264	10696	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	937	0.17	ng	0.00
5) Phenol-d6	7.12	99	793	0.09	ng	0.00
8) Nitrobenzene-d5	9.06	82	3086	0.45	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5335	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	598	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7947	0.46	ng	0.00
25) Fluoranthene-d10	19.28	212	57953	0.28	ng	-0.01
29) Terphenyl-d14	19.85	244	13134	0.58	ng	-0.01

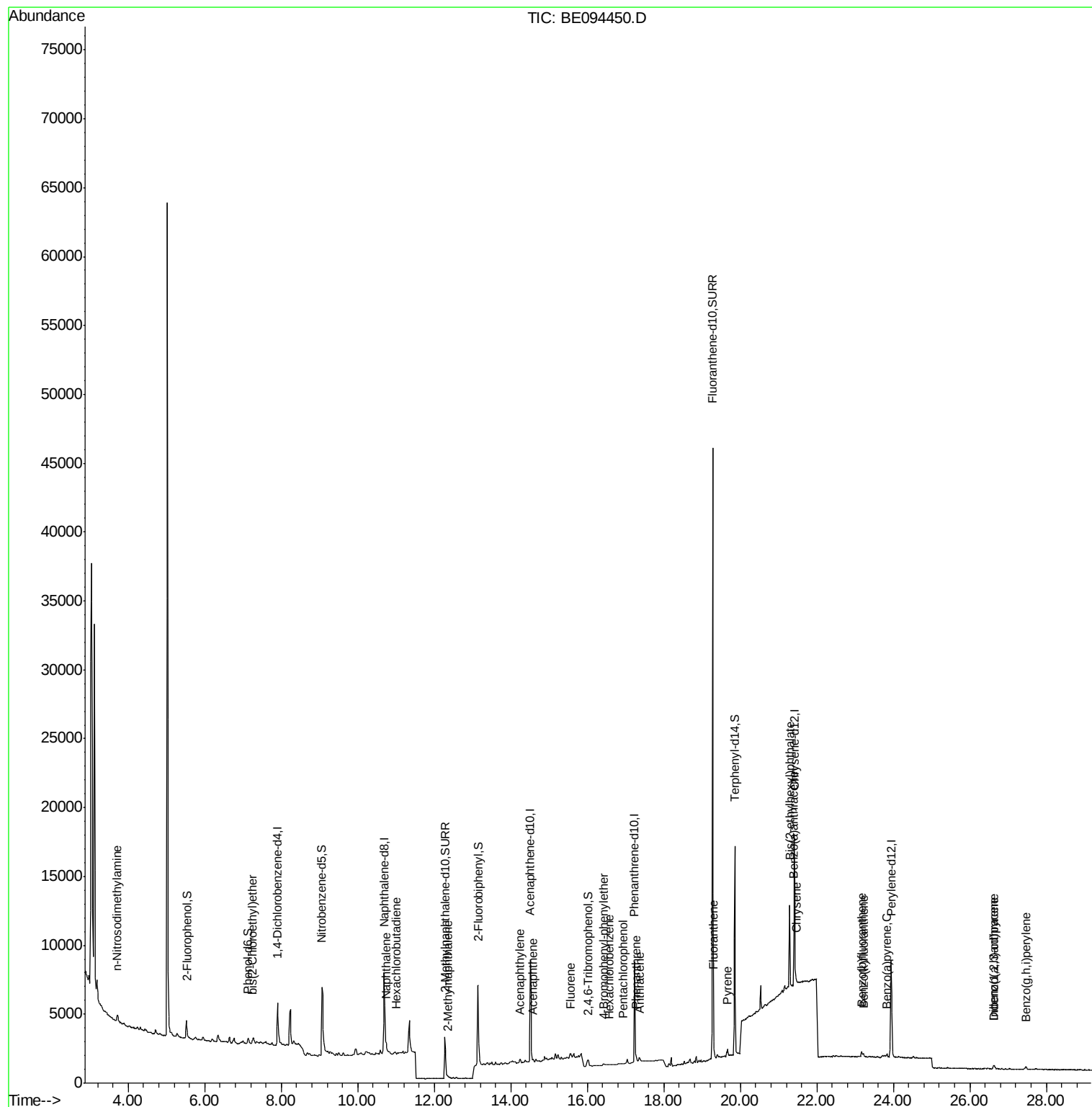
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.40	88	142	Below Cal	#	16
3) n-Nitrosodimethylamine	3.71	42	85	0.031	ng	# 6
6) bis(2-Chloroethyl)ether	7.25	93	758	0.122	ng	# 1
9) Naphthalene	10.74	128	701	0.008	ng	# 74
10) Hexachlorobutadiene	11.01	225	15	0.004	ng	# 17
12) 2-Methylnaphthalene	12.35	142	61	0.004	ng	# 51
16) Acenaphthylene	14.24	152	265	0.010	ng	# 79
17) Acenaphthene	14.57	154	55	0.003	ng	# 57
18) Fluorene	15.56	166	204	0.010	ng	# 34
20) 4-Bromophenyl-phenylether	16.42	248	86	0.014	ng	# 1
21) Hexachlorobenzene	16.58	284	31	0.029	ng	# 38
22) Pentachlorophenol	16.94	266	37	0.184	ng	# 97
23) Phenanthrene	17.27	178	530	0.011	ng	# 51
24) Anthracene	17.37	178	634	0.016	ng	# 79
26) Fluoranthene	19.30	202	530	0.009	ng	# 83
28) Pyrene	19.67	202	541	0.013	ng	# 79
30) Benzo(a)anthracene	21.40	228	430	0.011	ng	# 67
31) Chrysene	21.46	228	474	0.013	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.29	149	8366	0.074	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.63	276	431	0.011	ng	# 81
35) Benzo(b)fluoranthene	23.16	252	689	0.019	ng	# 72
36) Benzo(k)fluoranthene	23.21	252	389	0.011	ng	# 55
37) Benzo(a)pyrene	23.83	252	407	0.012	ng	# 57
38) Dibenzo(a,h)anthracene	26.63	278	241	0.007	ng	# 44
39) Benzo(g,h,i)perylene	27.46	276	446	0.014	ng	# 77

(#) = 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. -0.02 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

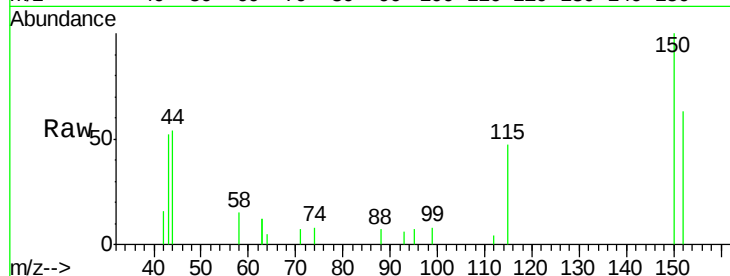
Tgt Ion: 152 Resp: 1594

Ion Ratio Lower Upper

152 100

150 159.0 117.2 175.8

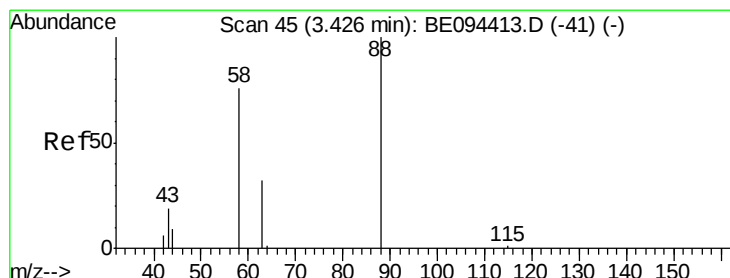
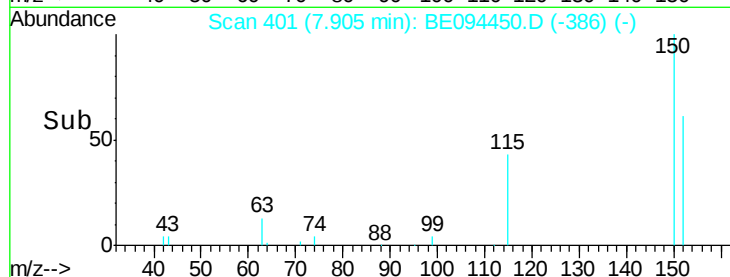
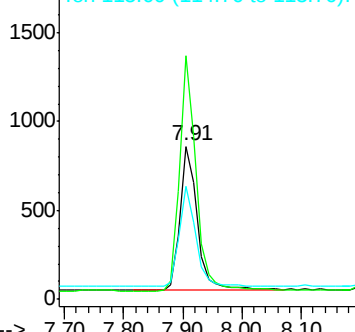
115 74.1 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.40 min Scan# 43

Delta R.T. -0.03 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

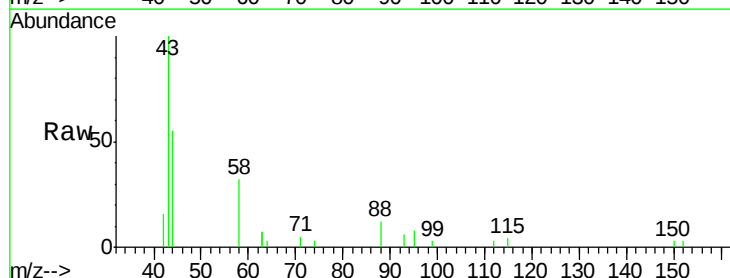
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

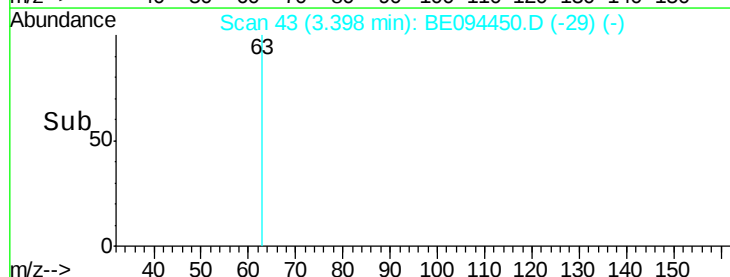
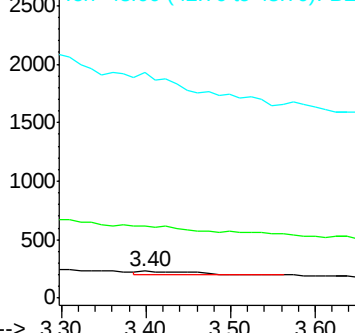
43 0.0 41.2 61.8#

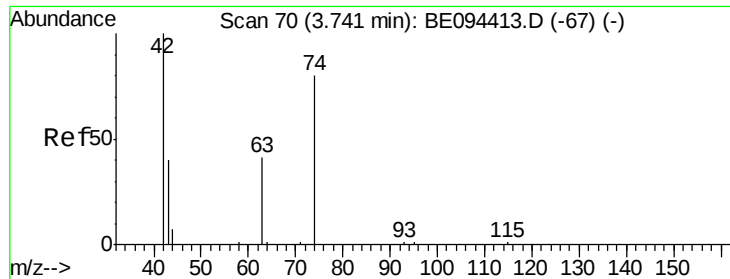


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



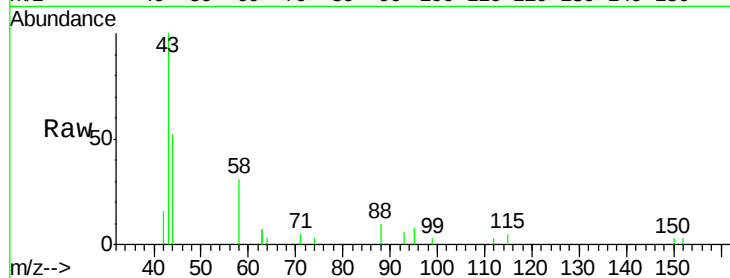


#3

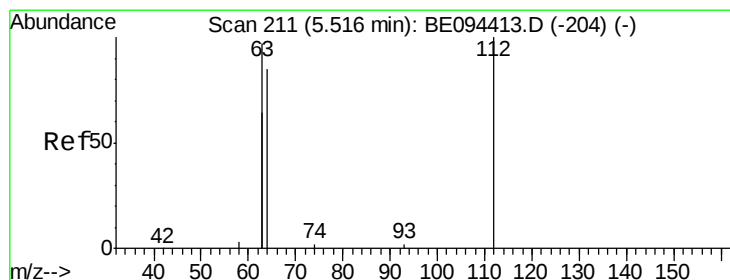
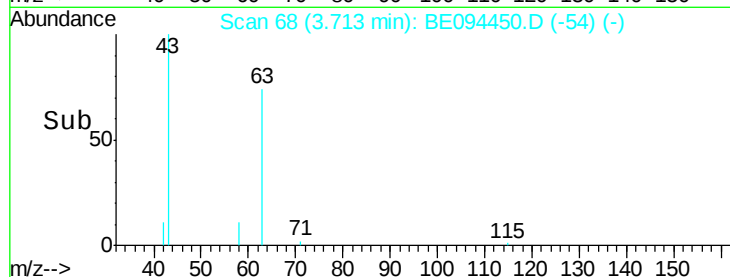
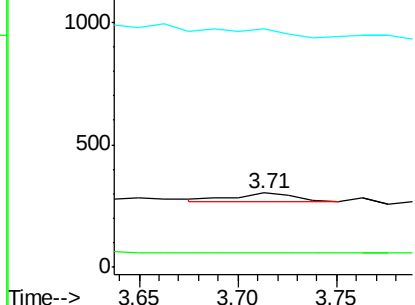
n-Nitrosodimethylamine
 Concen: 0.031 ng
 RT: 3.71 min Scan# 68
 Delta R.T. -0.03 min
 Lab File: BE094450.D
 Acq: 19 Oct 2017 16:35

Instrument :
 BNA_E
 ClientSampleId :
 3904-PP2

Tgt Ion: 42 Resp: 85
 Ion Ratio Lower Upper
 42 100
 74 9.4 100.3 150.5#
 44 0.0 17.0 25.4#



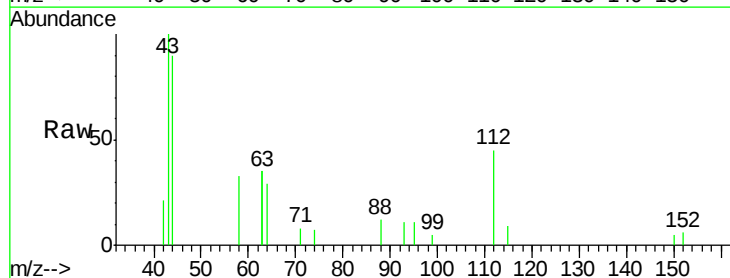
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



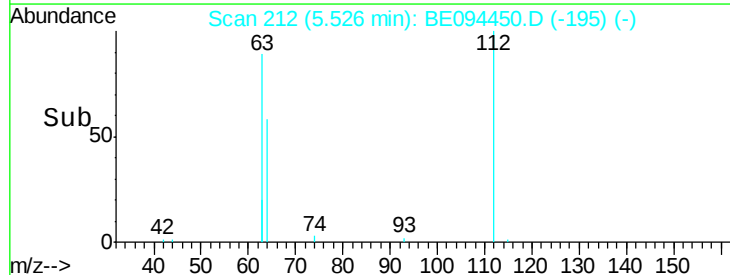
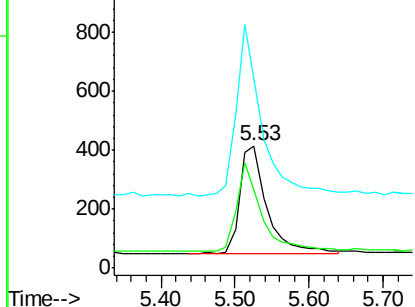
#4

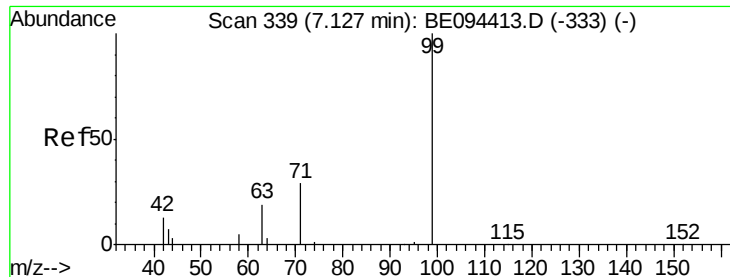
2-Fluorophenol
 Concen: 0.174 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: BE094450.D
 Acq: 19 Oct 2017 16:35

Tgt Ion: 112 Resp: 937
 Ion Ratio Lower Upper
 112 100
 64 75.2 60.1 90.1
 63 146.1 116.8 175.2



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: 0.094 ng

RT: 7.12 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

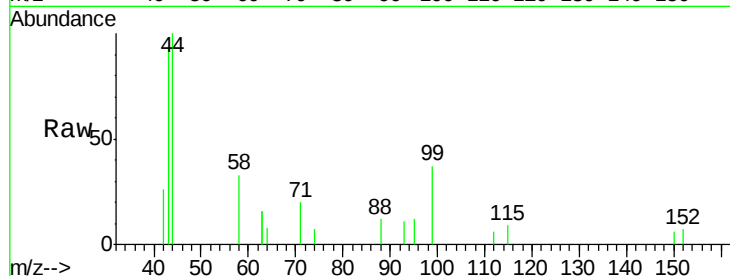
Tgt Ion: 99 Resp: 793

Ion Ratio Lower Upper

99 100

42 15.5 20.2 30.2#

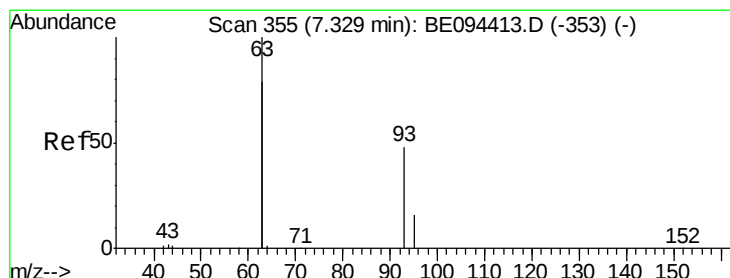
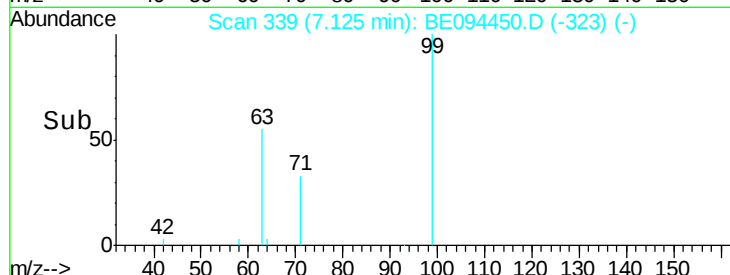
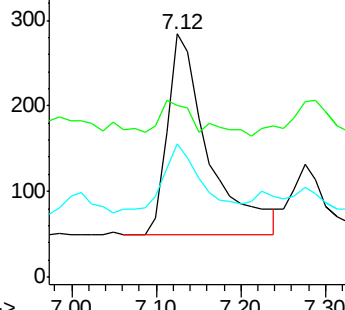
71 27.6 28.4 42.6#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.122 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.08 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

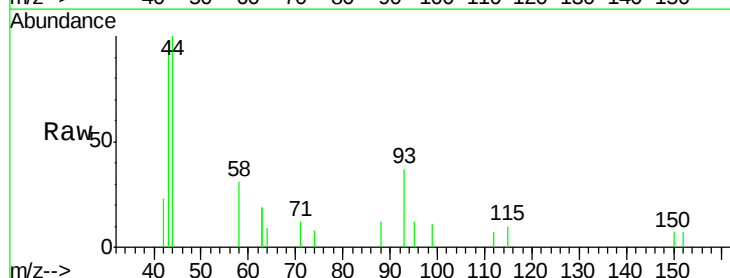
Tgt Ion: 93 Resp: 758

Ion Ratio Lower Upper

93 100

63 27.7 275.3 412.9#

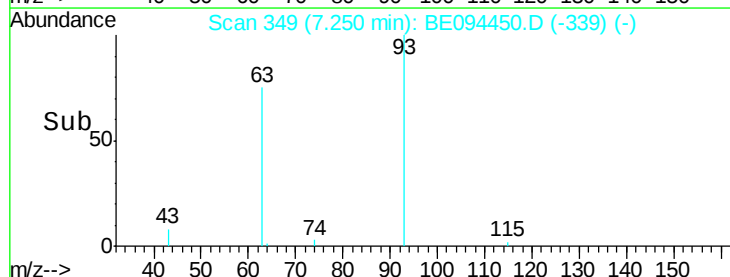
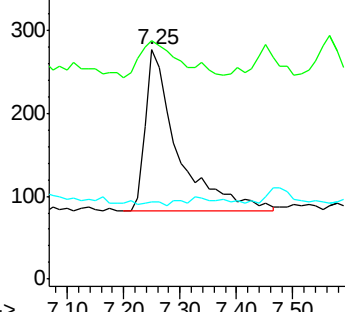
95 0.8 25.2 37.8#

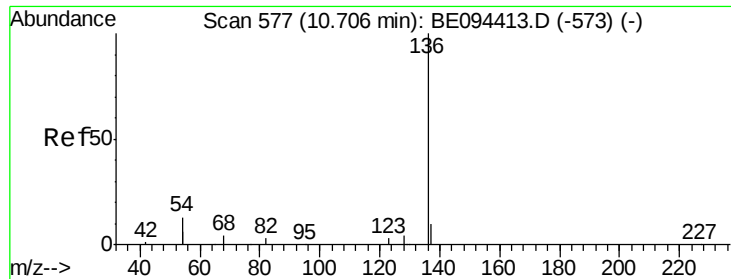


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

Tgt Ion: 136 Resp: 7977

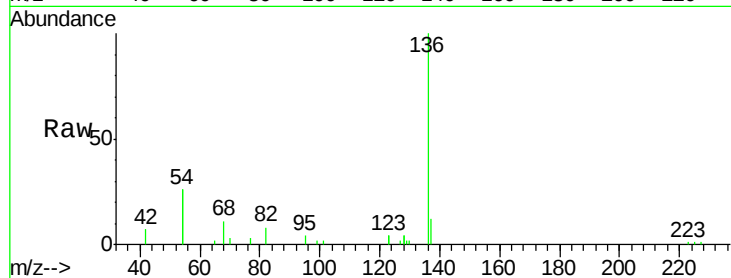
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 52.9 29.1 43.7#

68 10.8 6.2 9.2#

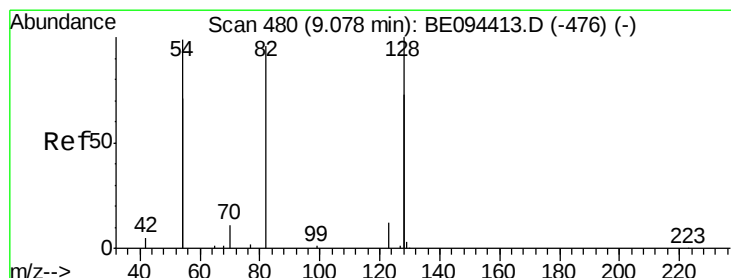
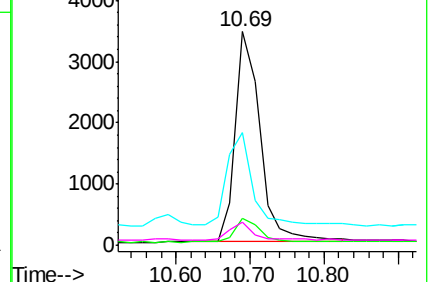
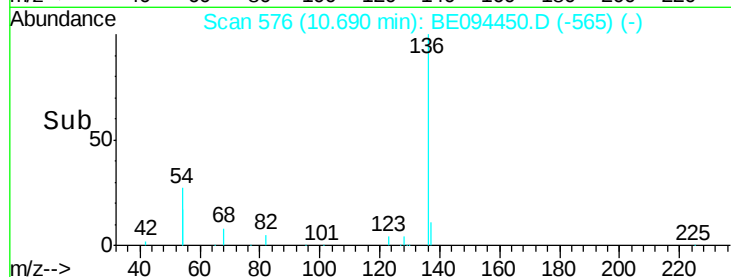


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.445 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

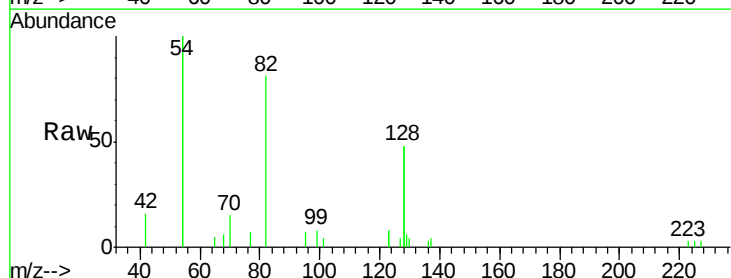
Tgt Ion: 82 Resp: 3086

Ion Ratio Lower Upper

82 100

128 118.8 150.0 225.0#

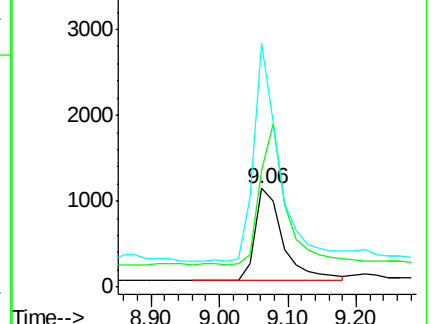
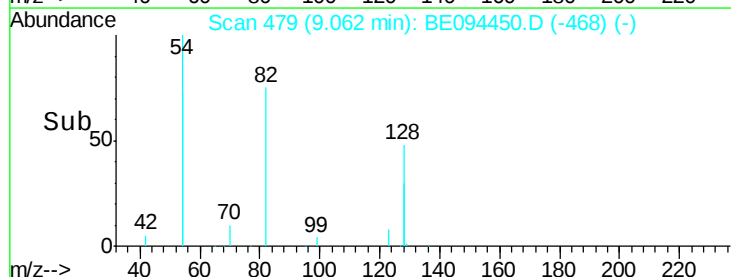
54 247.3 154.2 231.4#

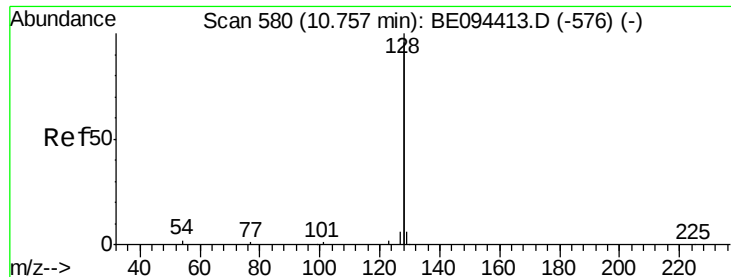


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.008 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

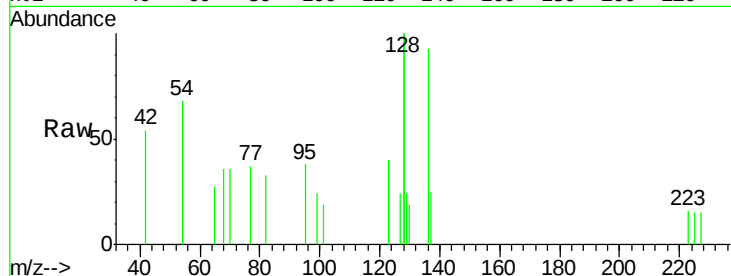
Tgt Ion:128 Resp: 701

Ion Ratio Lower Upper

128 100

129 11.9 2.6 3.8#

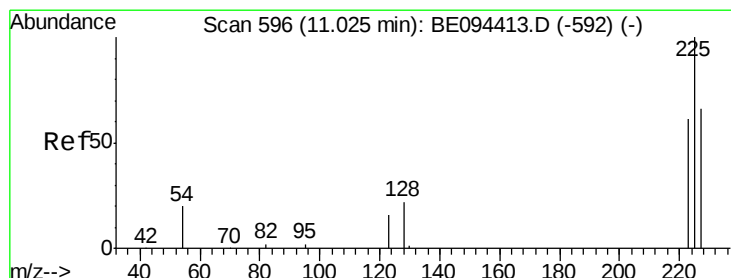
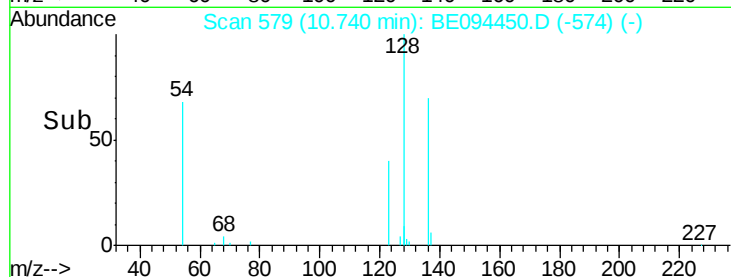
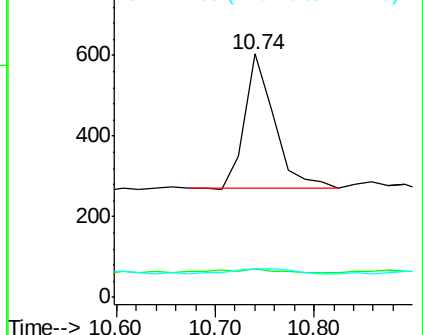
127 11.9 2.8 4.2#



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: 0.004 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.02 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

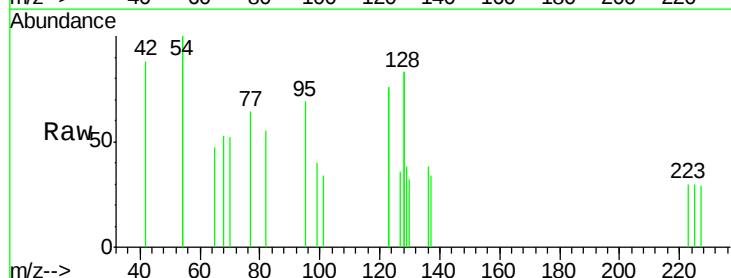
Tgt Ion:225 Resp: 15

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

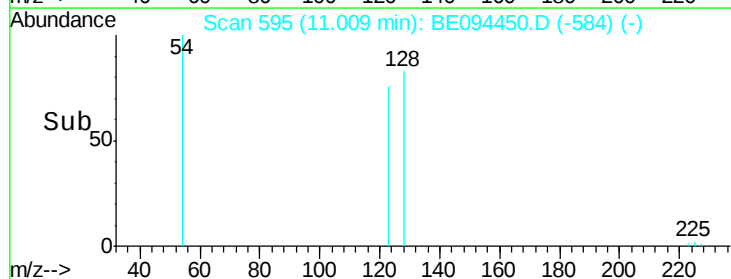
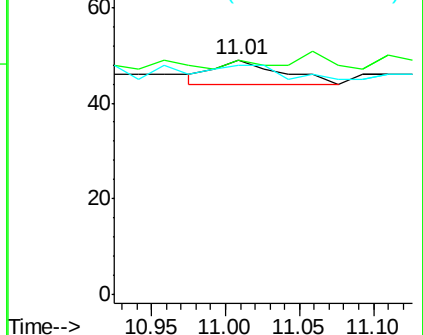
227 0.0 51.4 77.2#

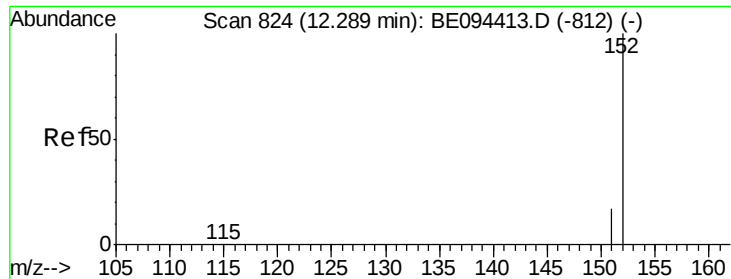


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

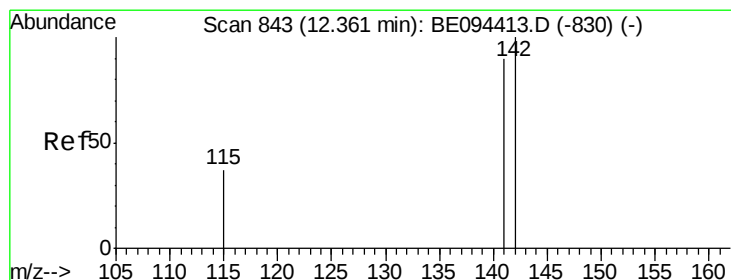
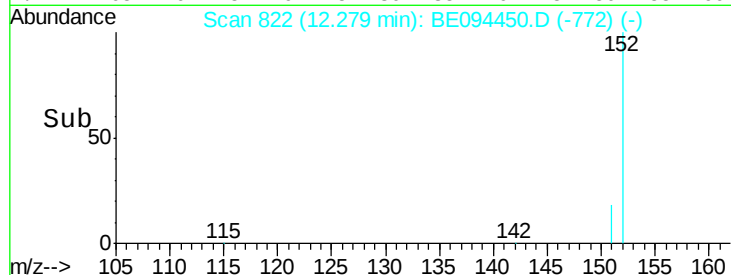
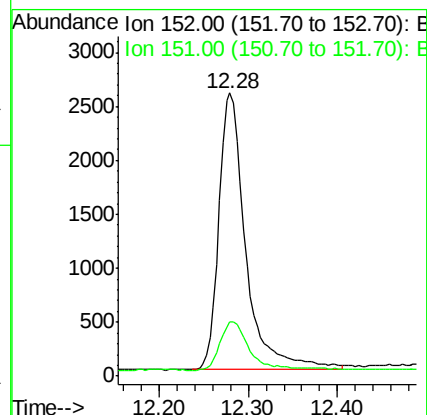
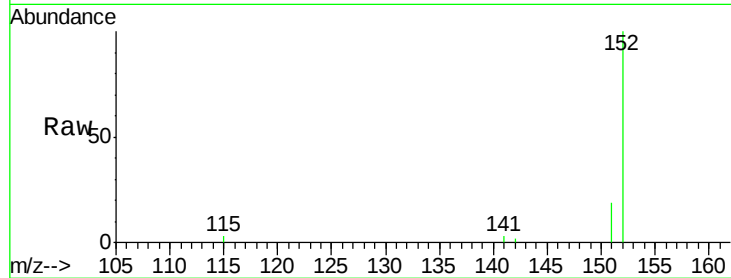




#11
 2-Methylnaphthalene-d10
 Concen: 0.434 ng
 RT: 12.28 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BE094450.D
 Acq: 19 Oct 2017 16:35

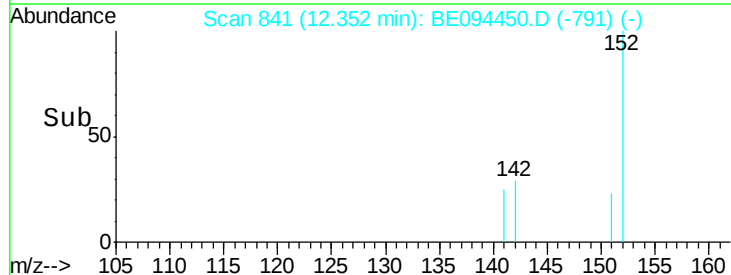
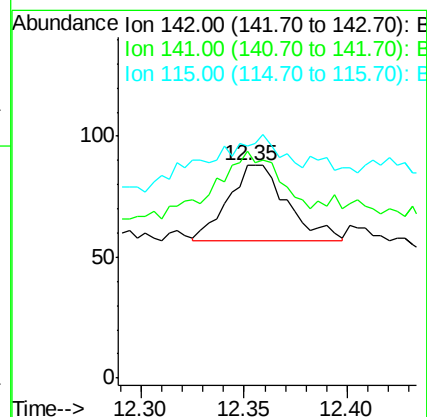
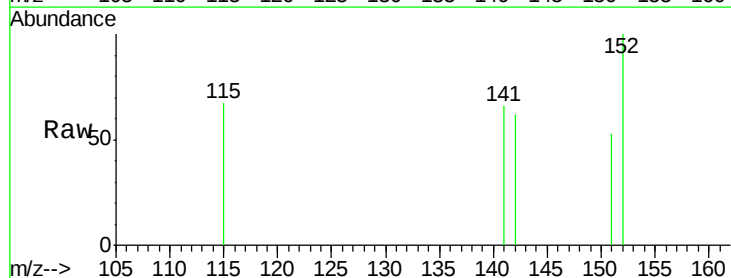
Instrument :
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 3904-PP2

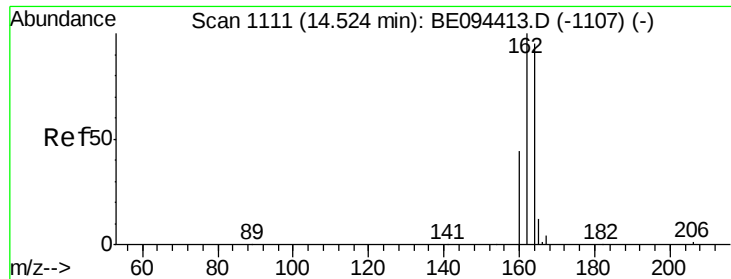
Tgt Ion:152 Resp: 5335
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.004 ng
 RT: 12.35 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BE094450.D
 Acq: 19 Oct 2017 16:35

Tgt Ion:142 Resp: 61
 Ion Ratio Lower Upper
 142 100
 141 106.8 70.4 105.6#
 115 109.1 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

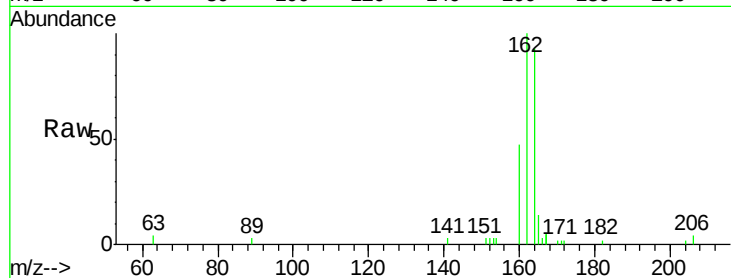
Tgt Ion:164 Resp: 4827

Ion Ratio Lower Upper

164 100

162 107.3 83.1 124.7

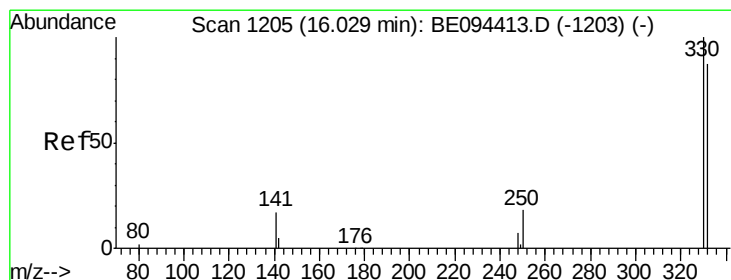
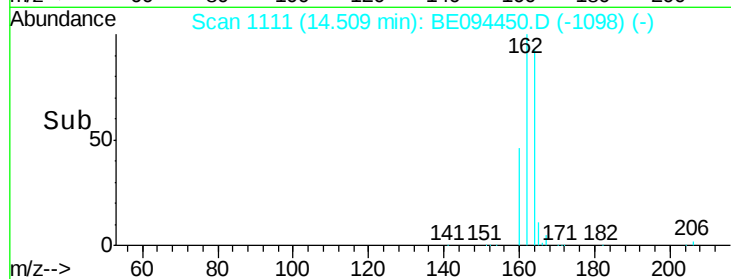
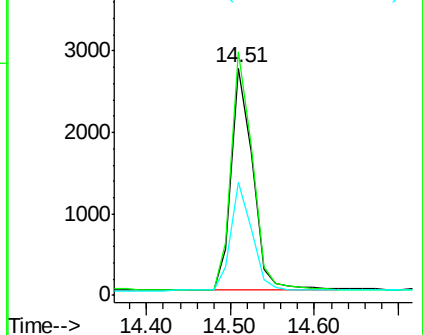
160 50.1 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.325 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

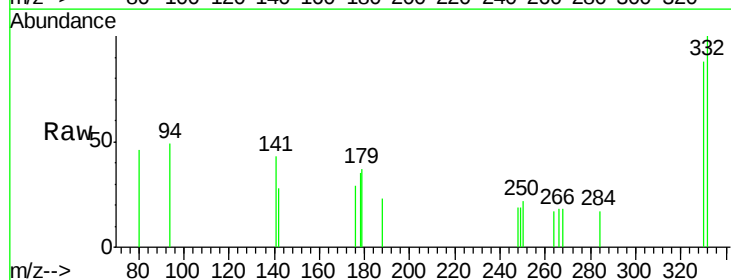
Tgt Ion:330 Resp: 598

Ion Ratio Lower Upper

330 100

332 103.7 152.7 229.1#

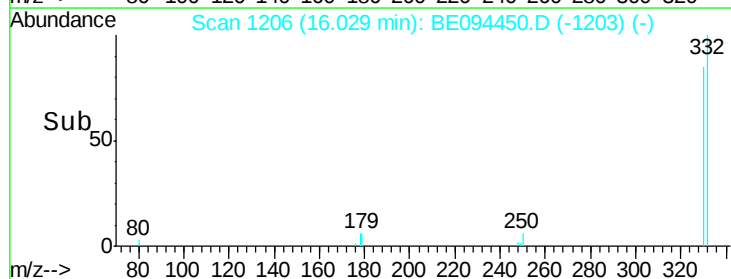
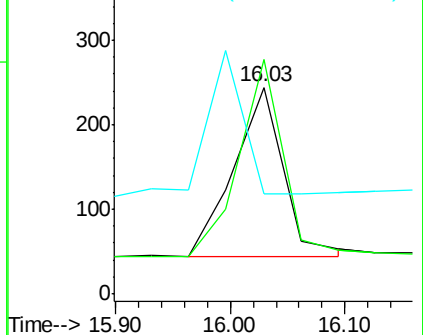
141 0.0 33.7 50.5#

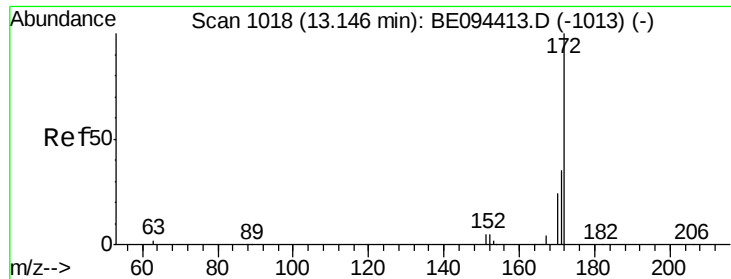


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

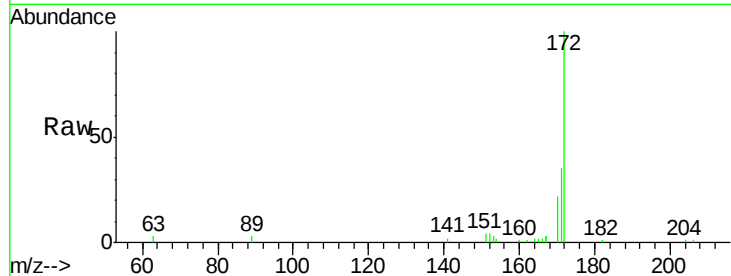




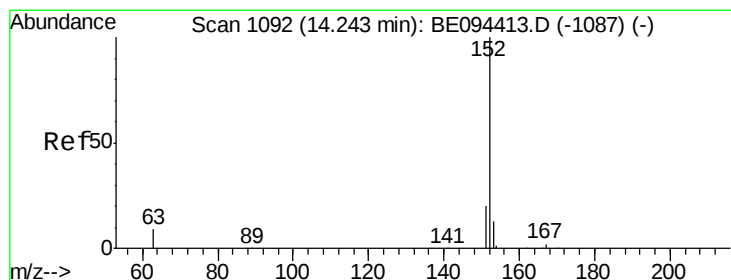
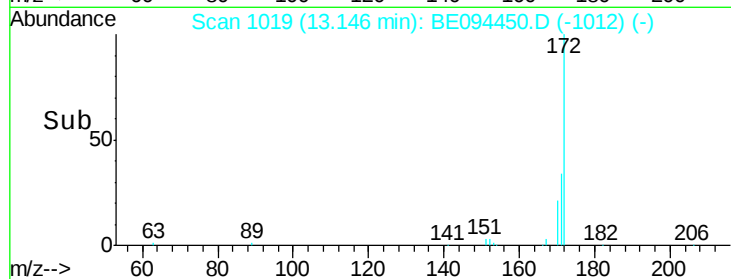
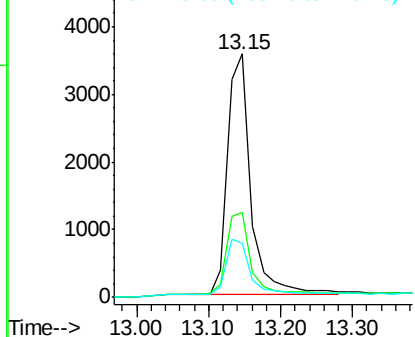
#15
2-Fluorobiphenyl
Concen: 0.461 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094450.D
Acq: 19 Oct 2017 16:35

Instrument :
BNA_E
ClientSampleId :
3904-PP2

Tgt Ion: 172 Resp: 7947
Ion Ratio Lower Upper
172 100
171 34.6 29.9 44.9
170 22.1 21.8 32.8

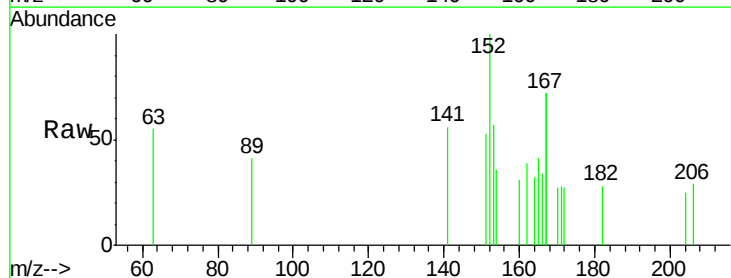


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

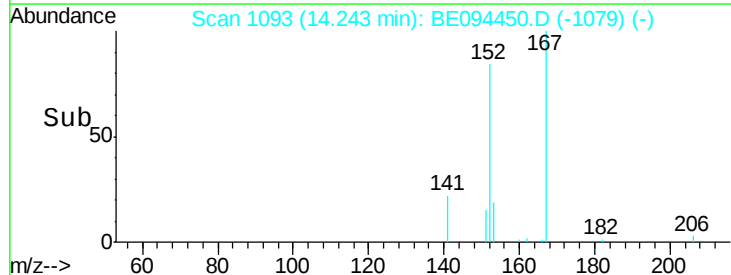
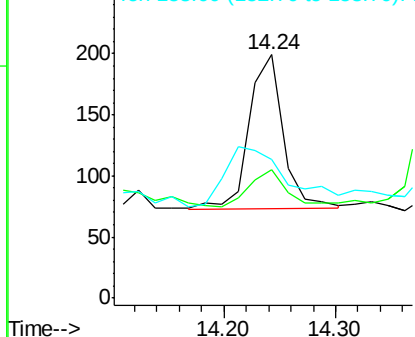


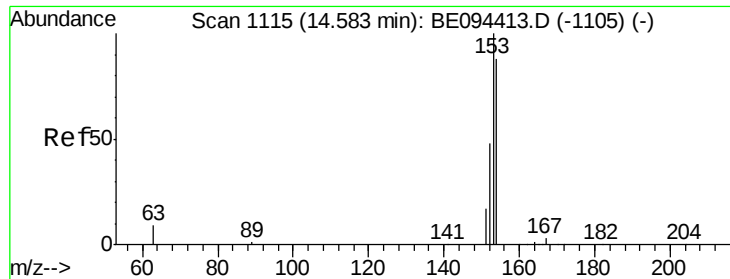
#16
Acenaphthylene
Concen: 0.010 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094450.D
Acq: 19 Oct 2017 16:35

Tgt Ion: 152 Resp: 265
Ion Ratio Lower Upper
152 100
151 25.7 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: 0.003 ng

RT: 14.57 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

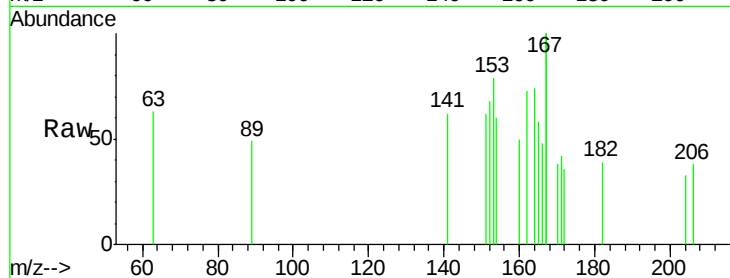
Tgt Ion:154 Resp: 55

Ion Ratio Lower Upper

154 100

153 141.8 89.2 133.8#

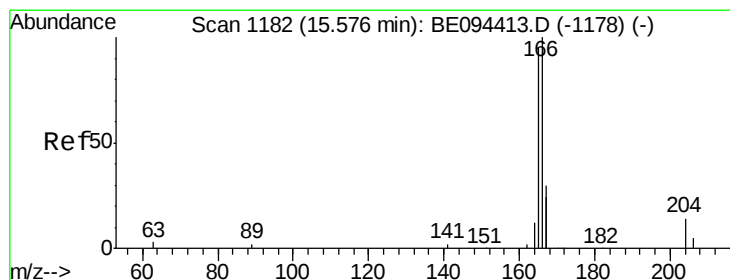
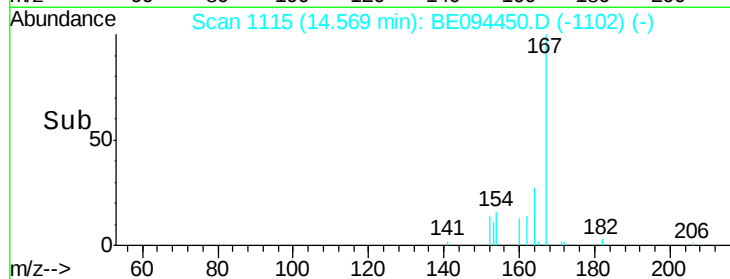
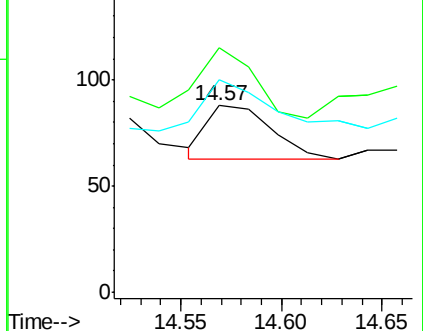
152 105.5 42.0 63.0#



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: 0.010 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

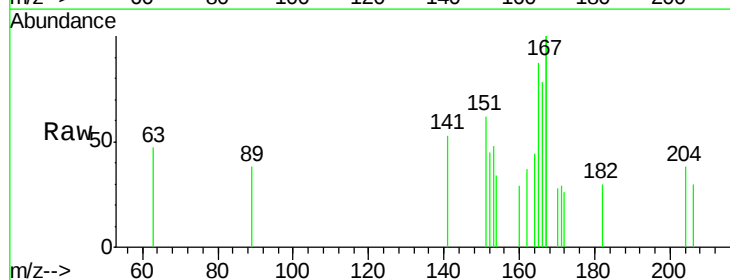
Tgt Ion:166 Resp: 204

Ion Ratio Lower Upper

166 100

165 157.4 77.8 116.6#

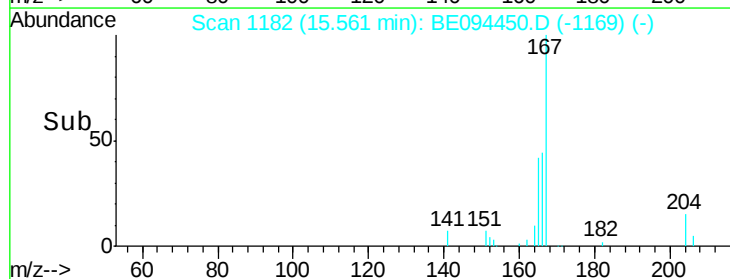
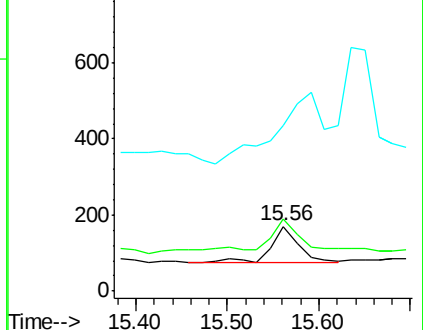
167 0.0 42.4 63.6#

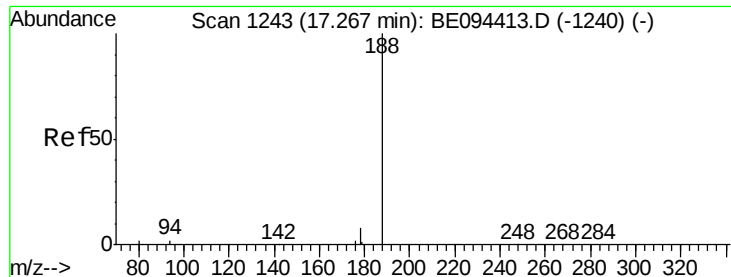


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

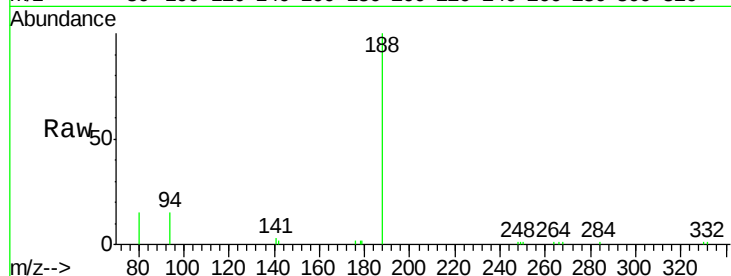
Tgt Ion:188 Resp: 12646

Ion Ratio Lower Upper

188 100

94 15.4 3.9 5.9#

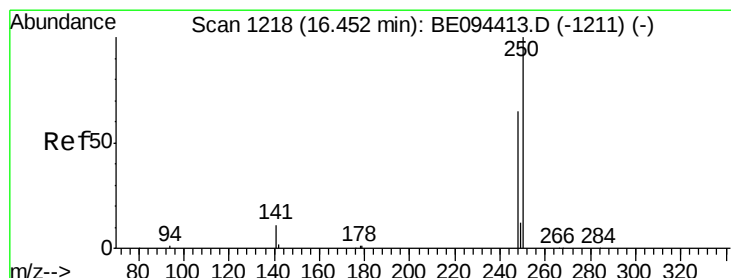
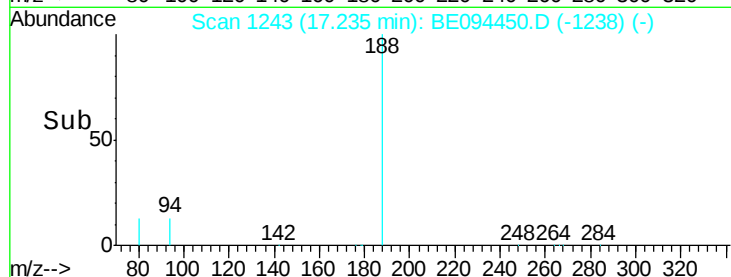
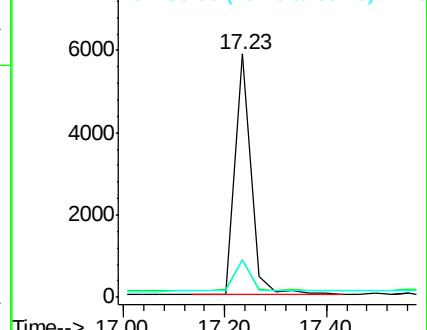
80 15.4 3.6 5.4#



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: 0.014 ng

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

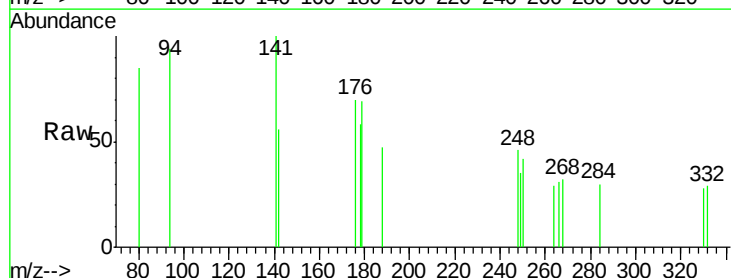
Tgt Ion:248 Resp: 86

Ion Ratio Lower Upper

248 100

250 91.9 62.7 94.1

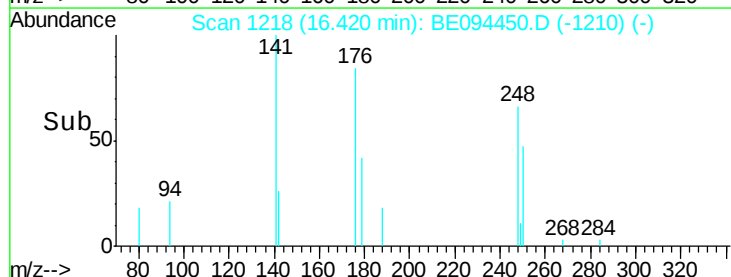
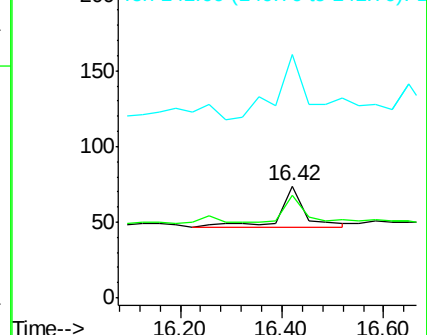
141 217.6 48.2 72.2#

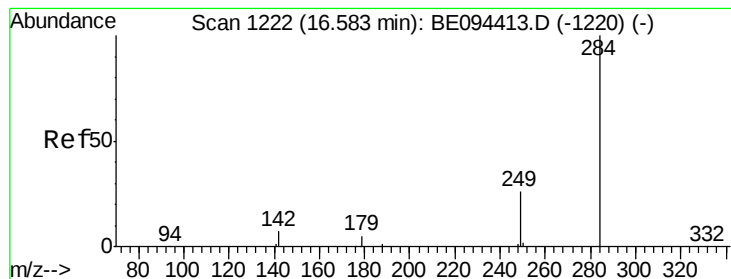


Abundance Ion 248.00 (247.70 to 248.70): E

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: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

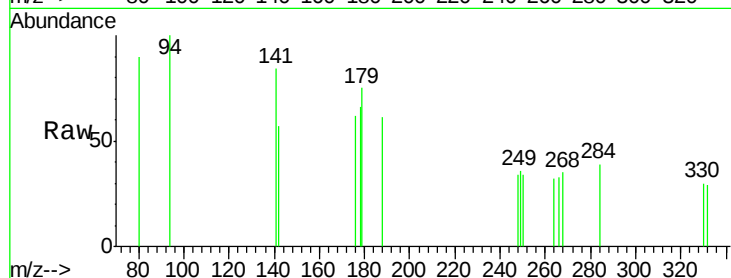
Tgt Ion:284 Resp: 31

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 0.0 34.8 52.2#

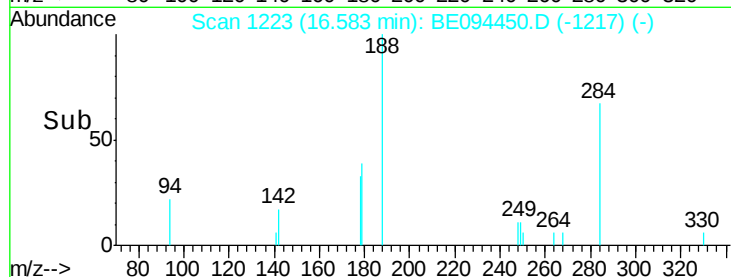


Abundance Ion 283.80 (283.50 to 284.50): E

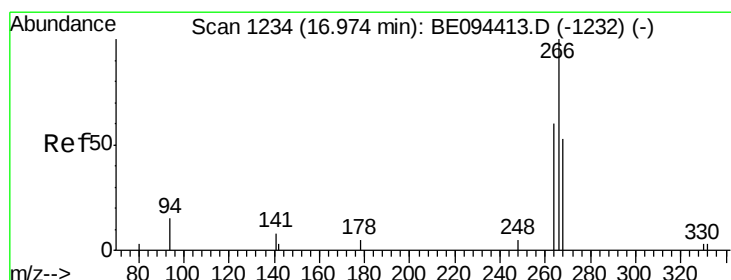
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



Time-->



#22

Pentachlorophenol

Concen: 0.184 ng

RT: 16.94 min Scan# 1234

Delta R.T. -0.03 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

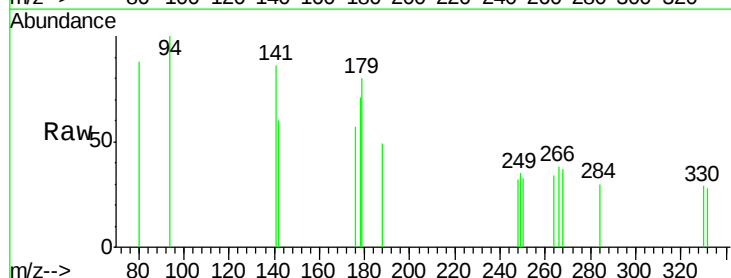
Tgt Ion:266 Resp: 37

Ion Ratio Lower Upper

266 100

264 90.2 72.5 108.7

268 96.7 73.8 110.6

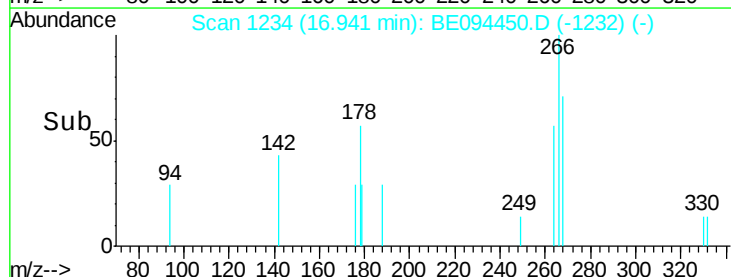


Abundance Ion 266.00 (265.70 to 266.70): E

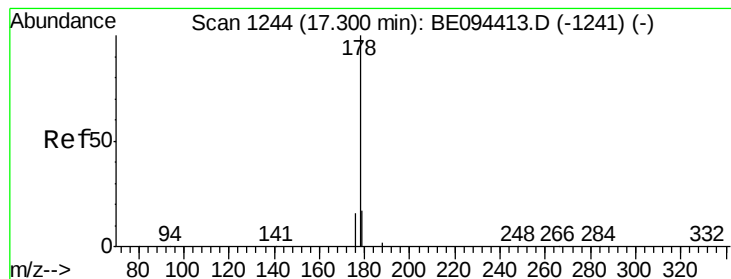
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Time-->



Time-->



#23

Phenanthrene

Concen: 0.011 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

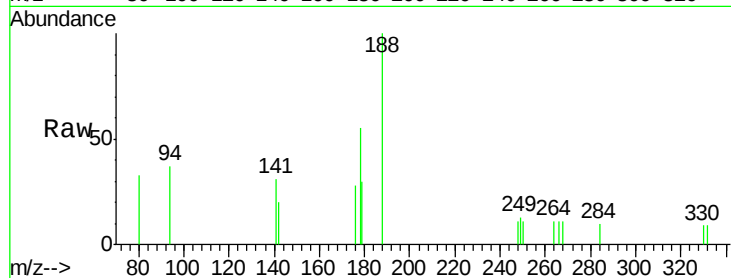
Tgt Ion:178 Resp: 530

Ion Ratio Lower Upper

178 100

176 45.8 15.1 22.7#

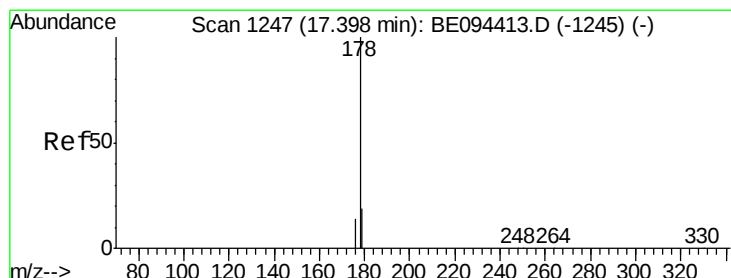
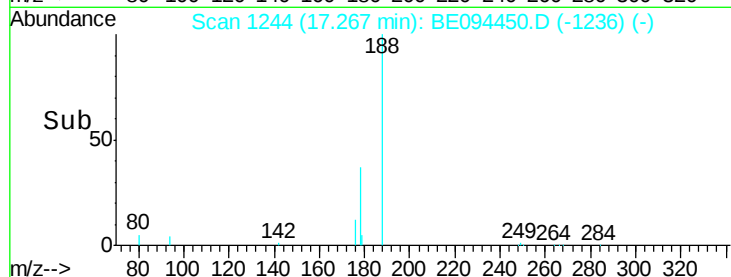
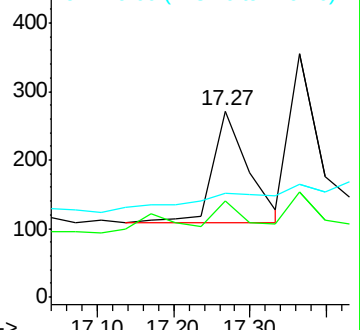
179 0.0 11.8 17.6#



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: 0.016 ng

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

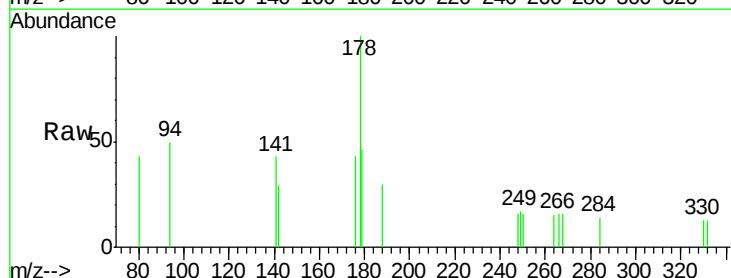
Tgt Ion:178 Resp: 634

Ion Ratio Lower Upper

178 100

176 17.4 12.8 19.2

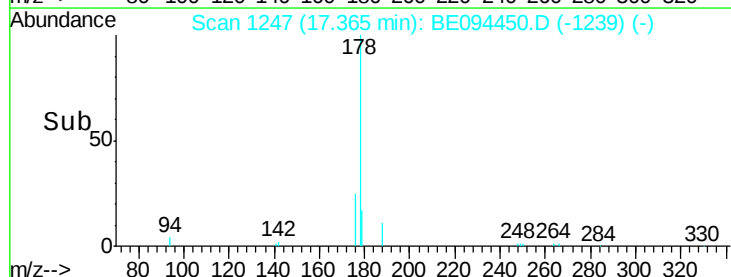
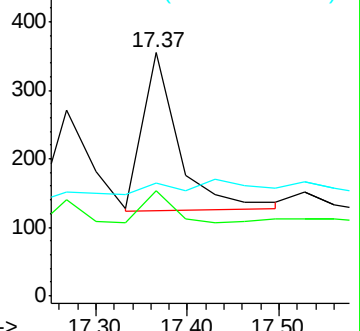
179 0.0 13.0 19.6#

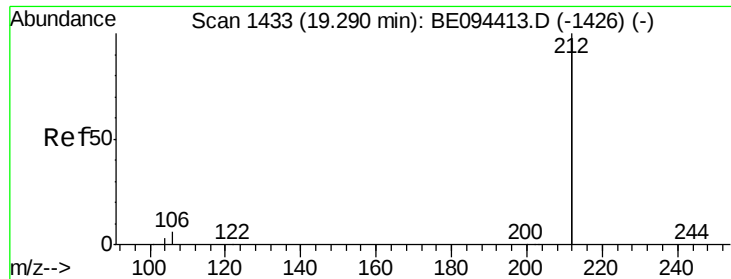


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

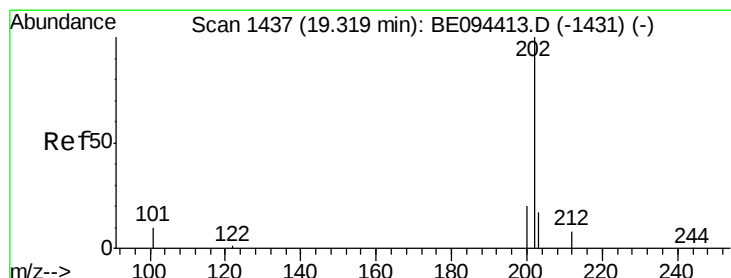
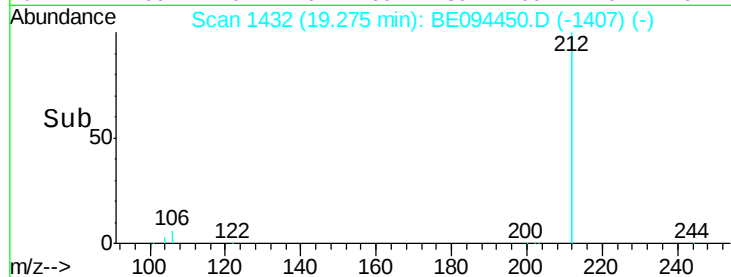
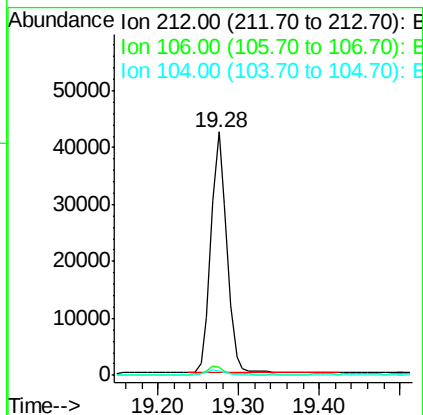
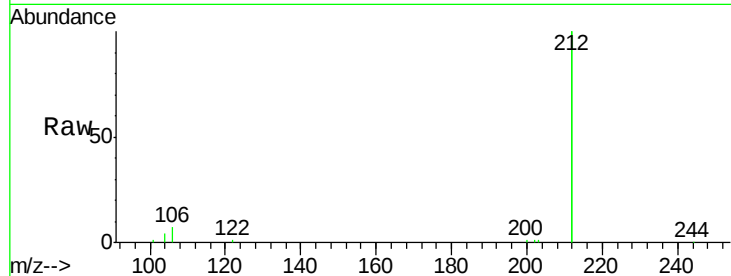




#25
 Fluoranthene-d10
 Concen: 0.285 ng
 RT: 19.28 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BE094450.D
 Acq: 19 Oct 2017 16:35

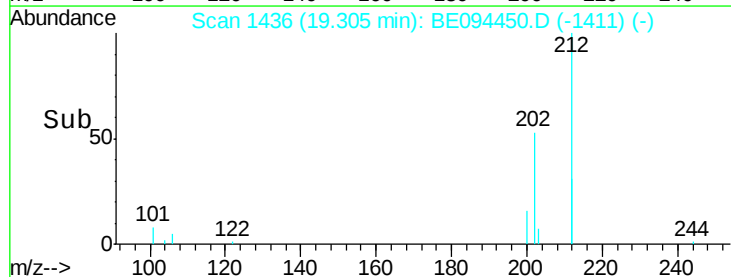
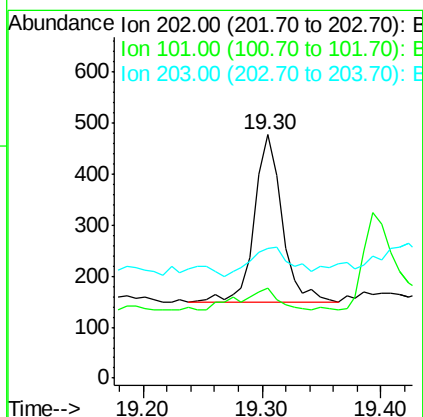
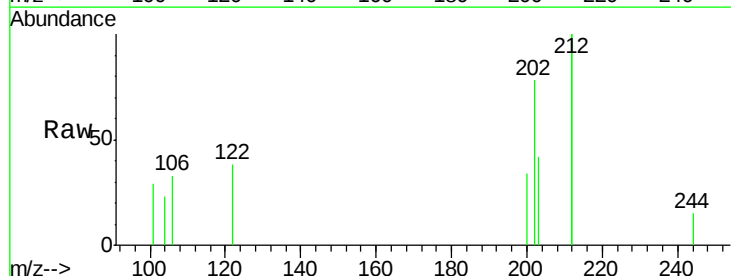
Instrument :
 BNA_E
 ClientSampleId :
 3904-PP2

Tgt Ion: 212 Resp: 57953
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 2.0 1.6 2.4



#26
 Fluoranthene
 Concen: 0.009 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE094450.D
 Acq: 19 Oct 2017 16:35

Tgt Ion: 202 Resp: 530
 Ion Ratio Lower Upper
 202 100
 101 17.4 9.8 14.8#
 203 25.8 13.7 20.5#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

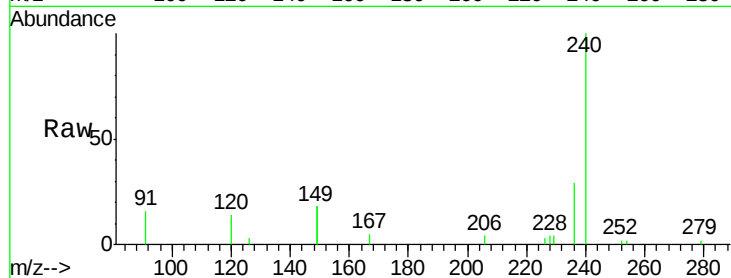
Tgt Ion:240 Resp: 11291

Ion Ratio Lower Upper

240 100

120 14.0 5.5 8.3#

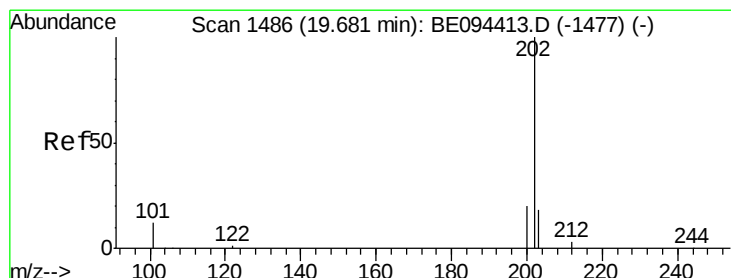
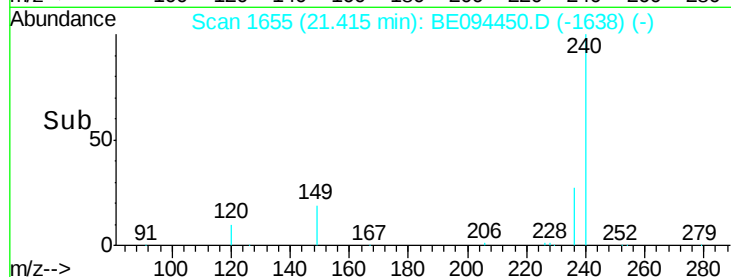
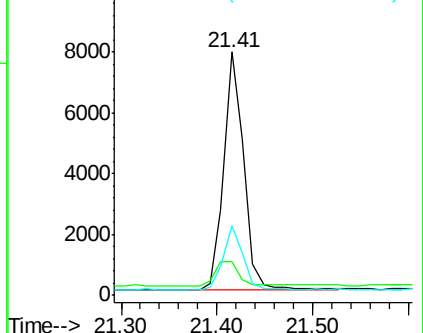
236 28.6 20.7 31.1



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: 0.013 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

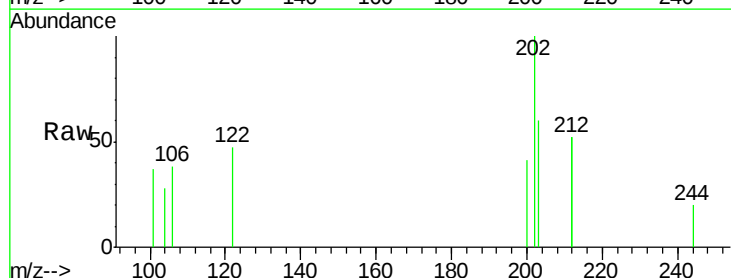
Tgt Ion:202 Resp: 541

Ion Ratio Lower Upper

202 100

200 25.0 16.6 25.0

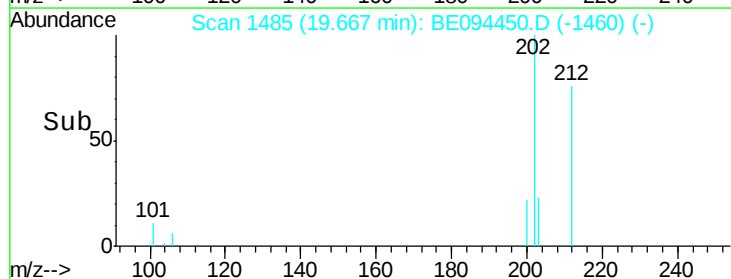
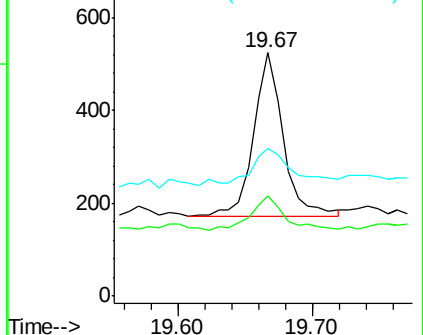
203 32.9 13.8 20.8#

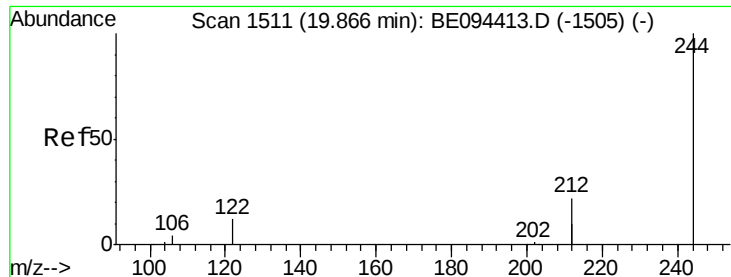


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.576 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

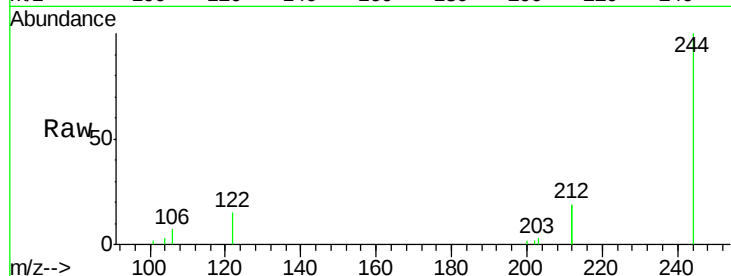
Tgt Ion:244 Resp: 13134

Ion Ratio Lower Upper

244 100

212 38.1 25.4 38.0#

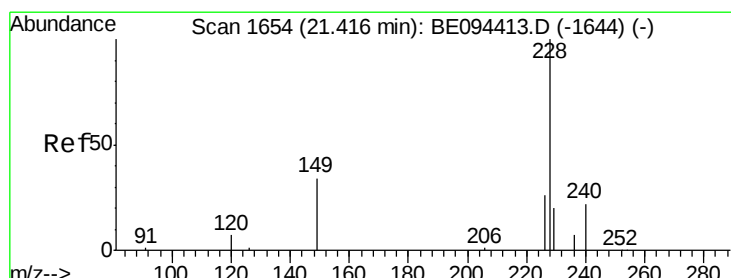
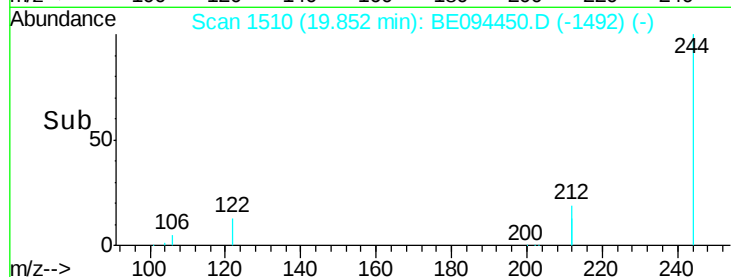
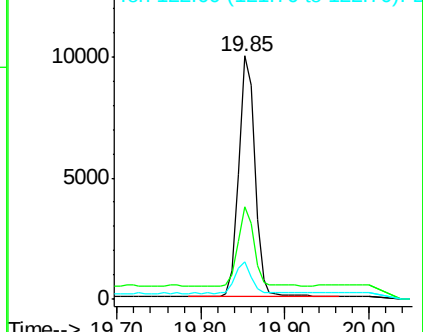
122 15.4 8.1 12.1#



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: 0.011 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

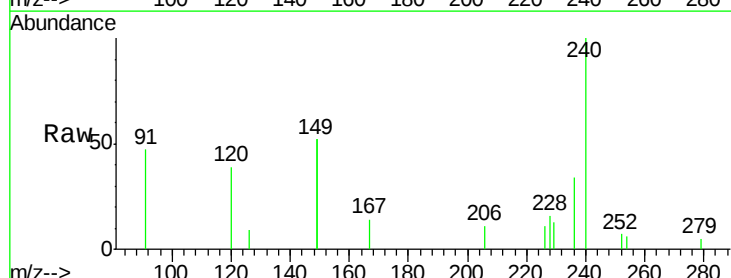
Tgt Ion:228 Resp: 430

Ion Ratio Lower Upper

228 100

226 65.5 40.0 60.0#

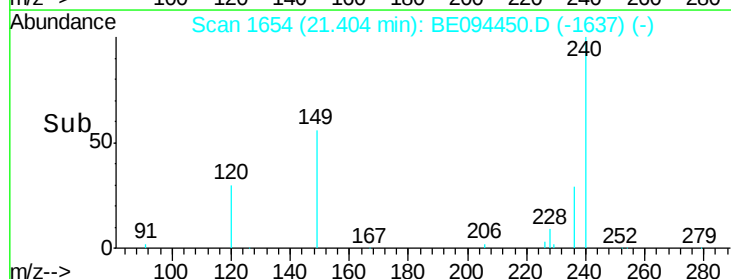
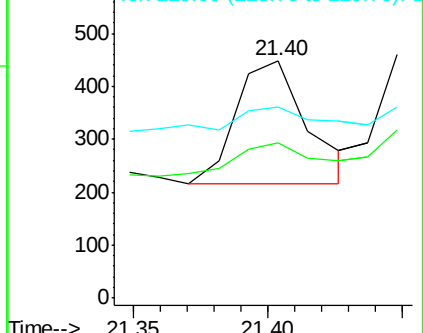
229 80.6 40.0 60.0#

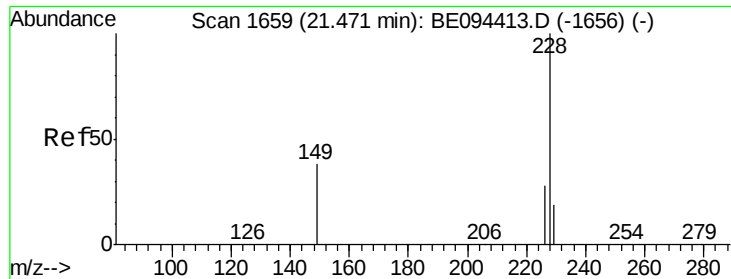


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.013 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

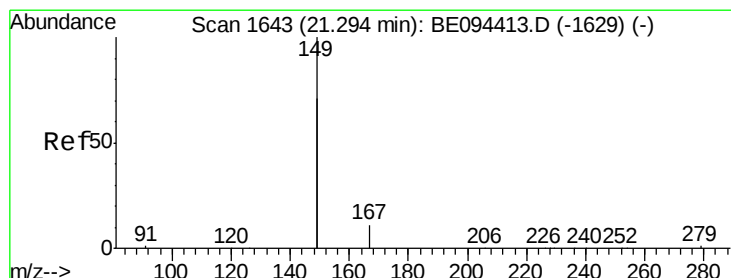
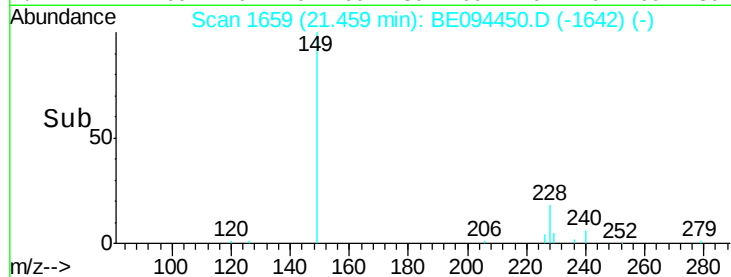
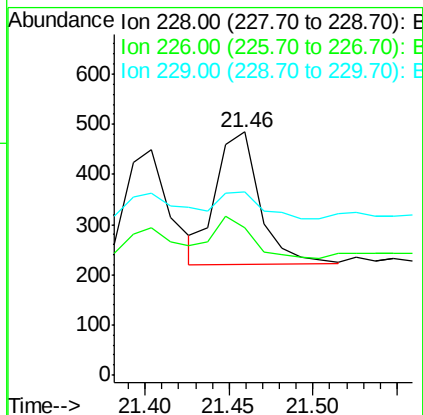
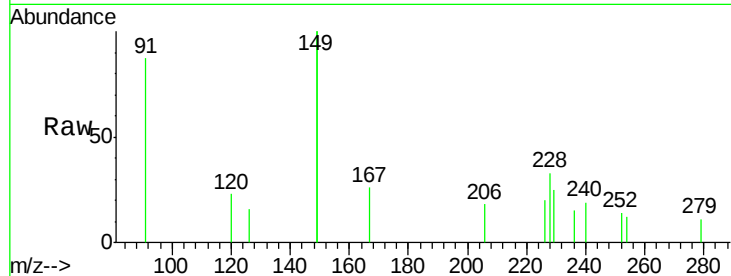
Tgt Ion: 228 Resp: 474

Ion Ratio Lower Upper

228 100

226 60.8 40.0 60.0#

229 75.5 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.074 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

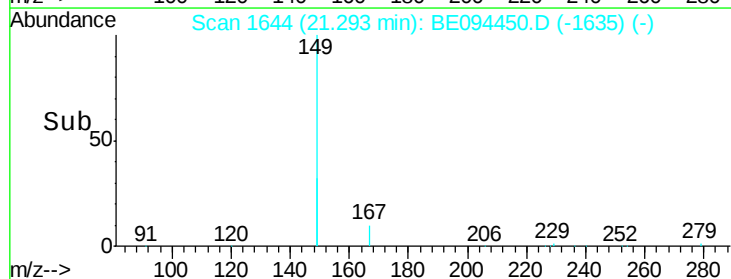
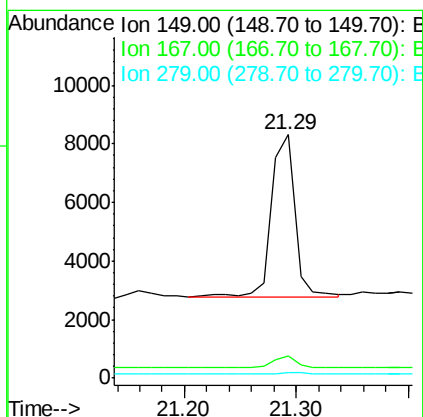
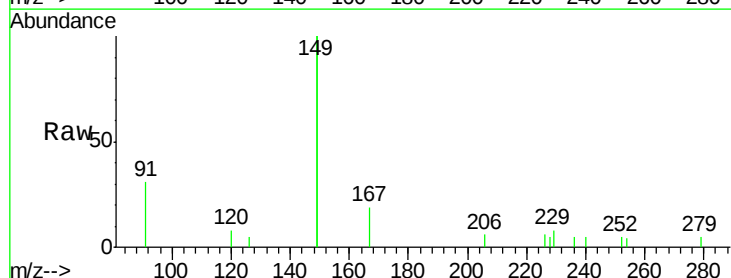
Tgt Ion: 149 Resp: 8366

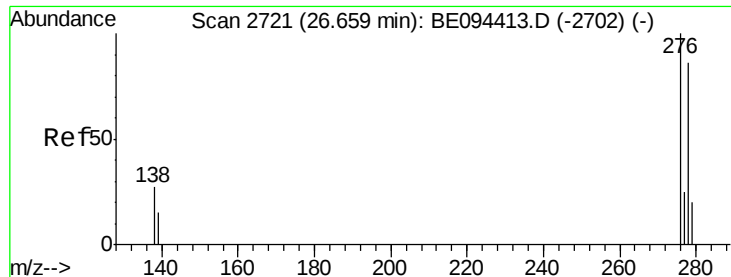
Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

279 0.9 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.011 ng

RT: 26.63 min Scan# 2715

Delta R.T. -0.03 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

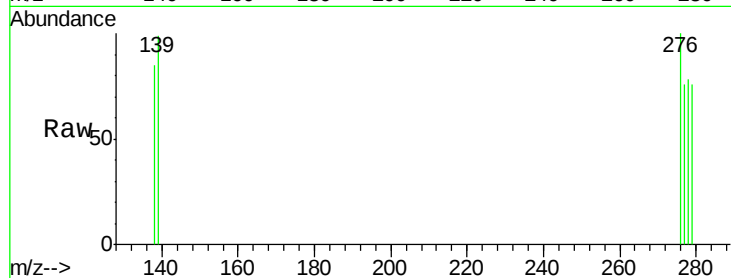
Tgt Ion:276 Resp: 431

Ion Ratio Lower Upper

276 100

138 10.4 22.5 33.7#

277 23.2 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

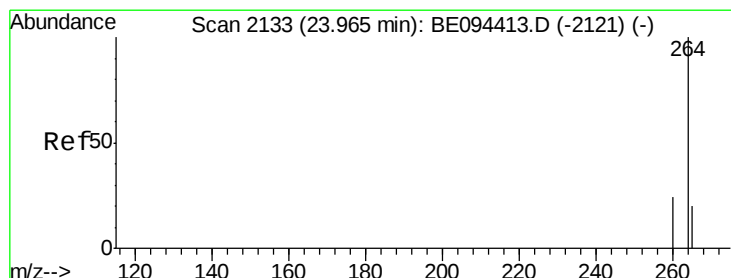
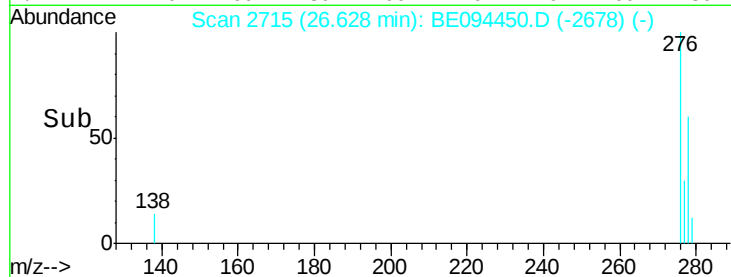
26.63

200

100

0

Time--> 26.50 26.60 26.70



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2129

Delta R.T. -0.02 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

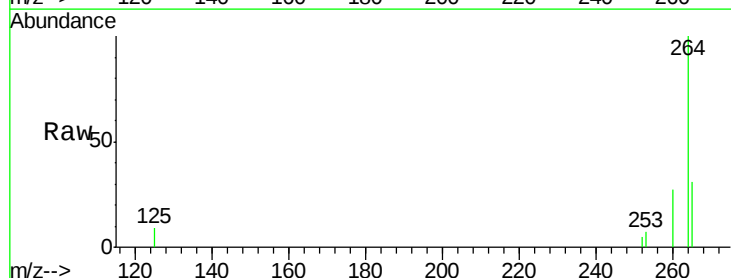
Tgt Ion:264 Resp: 10696

Ion Ratio Lower Upper

264 100

260 27.2 20.5 30.7

265 31.2 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

23.94

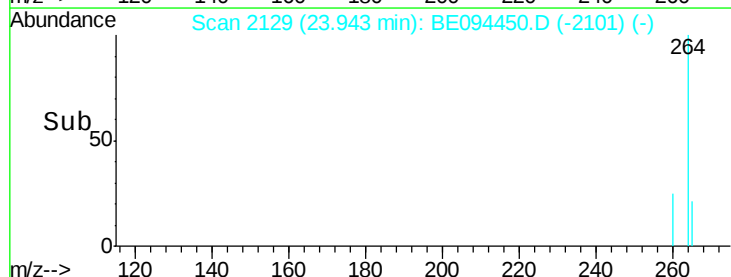
6000

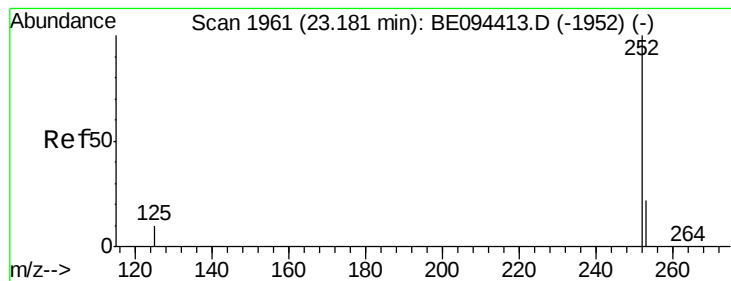
4000

2000

0

Time--> 23.90 24.00





#35

Benzo(b)fluoranthene

Concen: 0.019 ng

RT: 23.16 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2

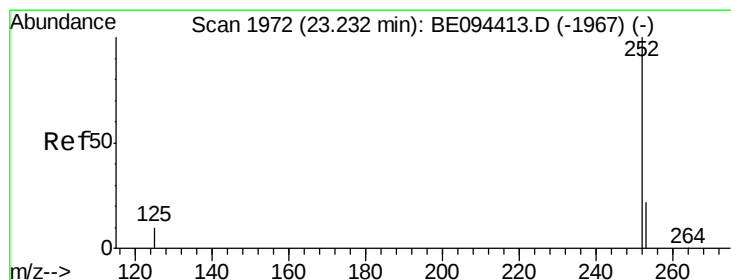
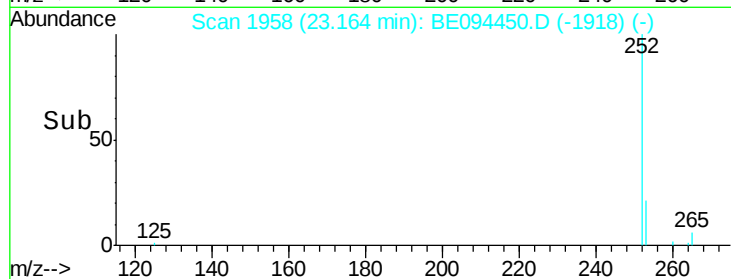
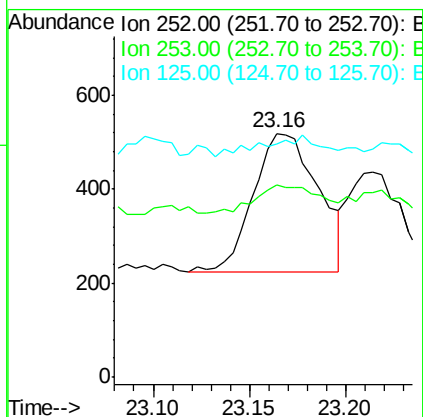
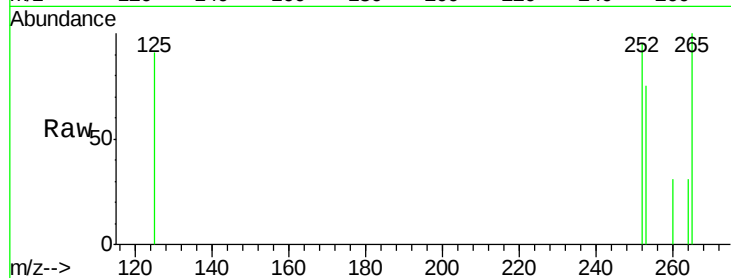
Tgt Ion:252 Resp: 689

Ion Ratio Lower Upper

252 100

253 78.8 48.0 72.0#

125 95.8 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.011 ng

RT: 23.21 min Scan# 1969

Delta R.T. -0.02 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

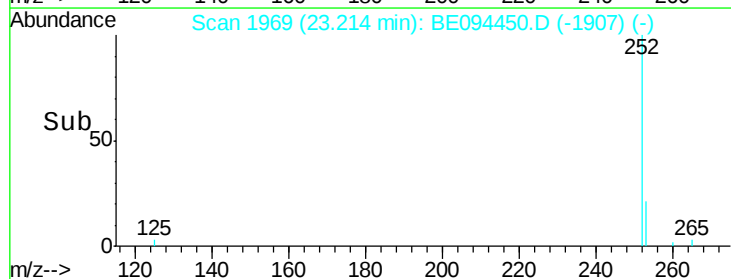
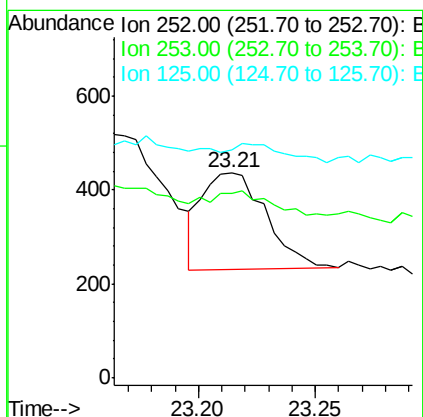
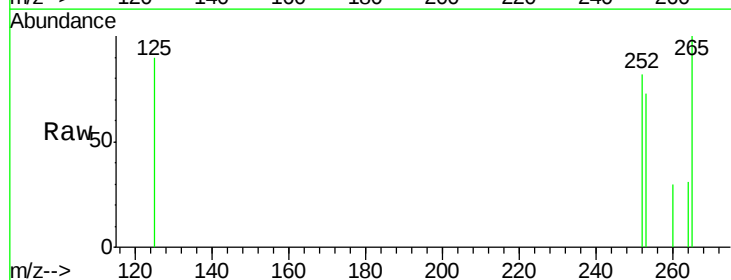
Tgt Ion:252 Resp: 389

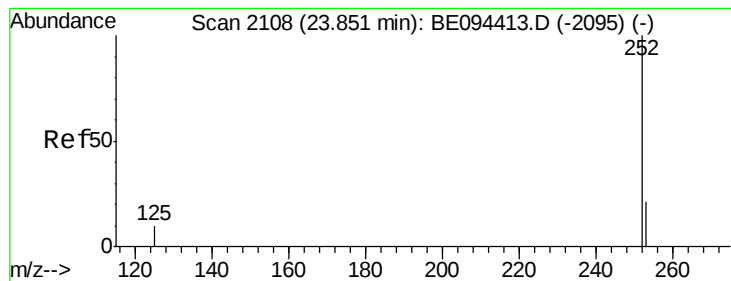
Ion Ratio Lower Upper

252 100

253 89.9 48.0 72.0#

125 110.8 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.012 ng

RT: 23.83 min Scan# 2104

Delta R.T. -0.02 min

Lab File: BE094450.D

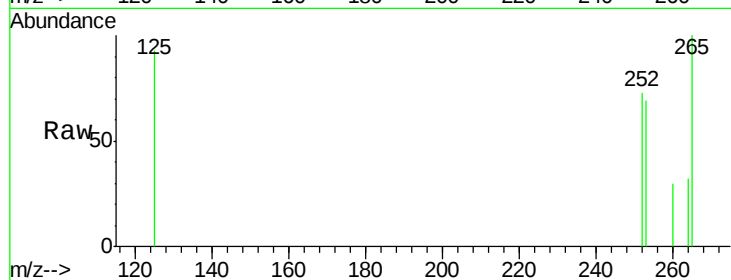
Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2



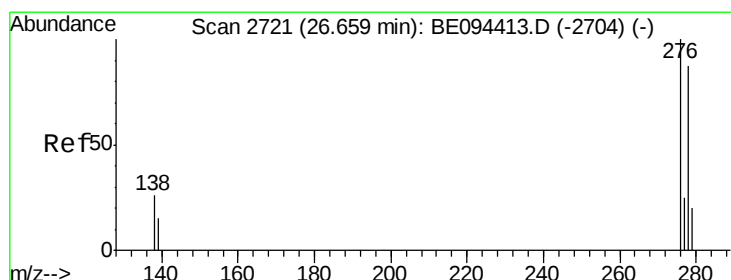
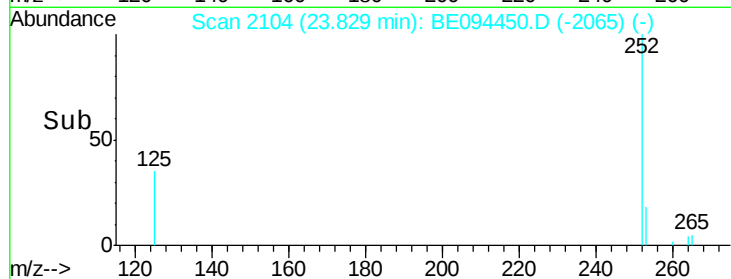
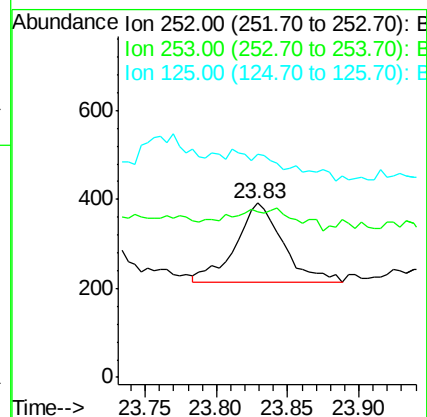
Tgt Ion: 252 Resp: 407

Ion Ratio Lower Upper

252 100

253 95.4 52.0 78.0#

125 128.1 68.0 102.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.007 ng

RT: 26.63 min Scan# 2715

Delta R.T. -0.03 min

Lab File: BE094450.D

Acq: 19 Oct 2017 16:35

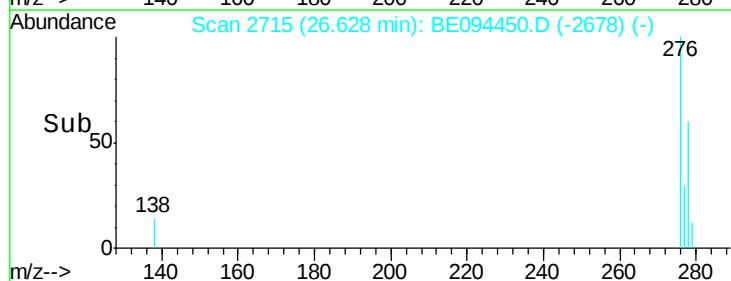
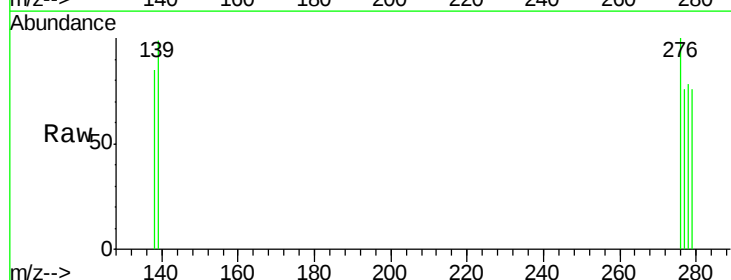
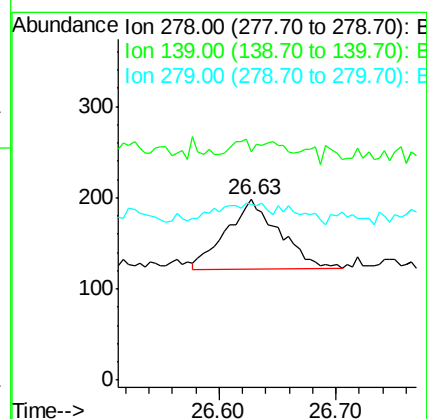
Tgt Ion: 278 Resp: 241

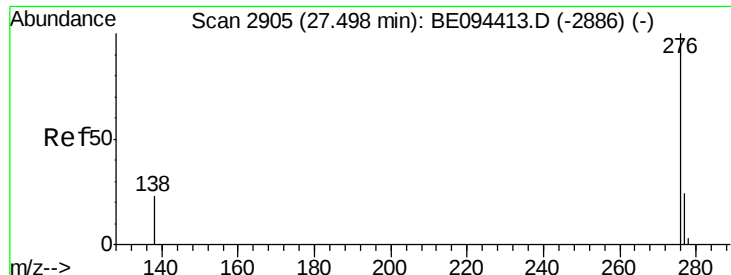
Ion Ratio Lower Upper

278 100

139 126.8 56.0 84.0#

279 97.5 52.0 78.0#





#39

Benzo(g,h,i)perylene

Concen: 0.014 ng

RT: 27.46 min Scan# 2897

Delta R.T. -0.04 min

Lab File: BE094450.D

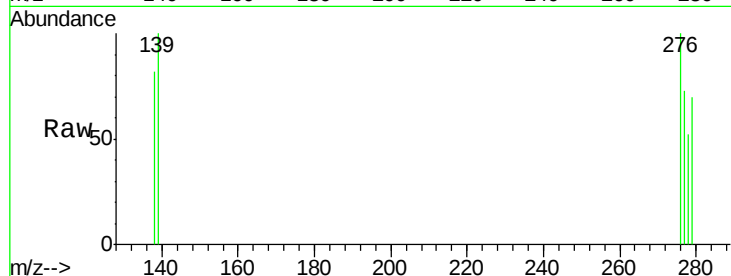
Acq: 19 Oct 2017 16:35

Instrument :

BNA_E

ClientSampleId :

3904-PP2



Tgt Ion: 276 Resp: 446

Ion Ratio Lower Upper

276 100

277 73.2 52.0 78.0

138 81.7 44.0 66.0

