

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102317\
 Data File : BE094497.D
 Acq On : 23 Oct 2017 16:04
 Operator : SJ/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Oct 23 17:31:36 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 17:28:42 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1180	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	6527	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	3950	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	7558	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9322	0.40	ng	0.00
34) Perylene-d12	23.95	264	8779	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1619	0.41	ng	0.00
5) Phenol-d6	0.00	99	0	0.00	ng	
8) Nitrobenzene-d5	8.96	82	121	0.02	ng	-0.12
11) 2-Methylnaphthalene-d10	12.29	152	4296	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	419	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5642	0.40	ng	0.00
25) Fluoranthene-d10	19.28	212	40471	0.33	ng	0.00
29) Terphenyl-d14	19.87	244	6900	0.37	ng	0.00

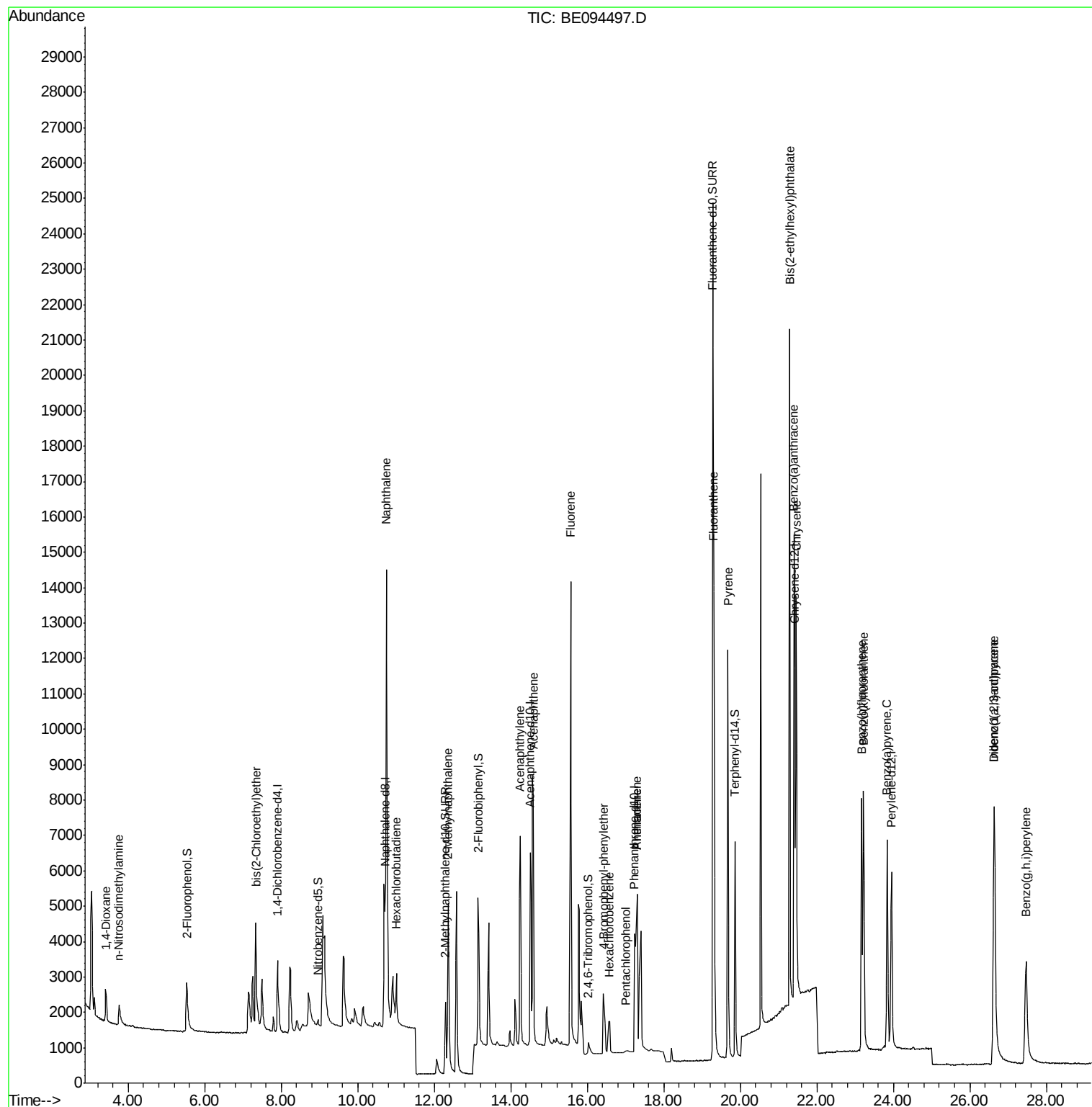
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	924	0.449	ng	# 78
3) n-Nitrosodimethylamine	3.75	42	769	0.375	ng	# 93
6) bis(2-Chloroethyl)ether	7.34	93	1870	0.407	ng	84
9) Naphthalene	10.74	128	30354	0.416	ng	100
10) Hexachlorobutadiene	11.01	225	1087	0.373	ng	98
12) 2-Methylnaphthalene	12.36	142	5063	0.421	ng	97
16) Acenaphthylene	14.24	152	8262	0.386	ng	100
17) Acenaphthene	14.58	154	5434	0.403	ng	99
18) Fluorene	15.56	166	6856	0.394	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	1613	0.427	ng	# 14
21) Hexachlorobenzene	16.58	284	1658	0.240	ng	# 38
22) Pentachlorophenol	17.01	266	88	0.145	ng	93
23) Phenanthrene	17.30	178	8674	0.292	ng	# 94
24) Anthracene	17.30	178	8674	0.377	ng	# 92
26) Fluoranthene	19.31	202	12315	0.334	ng	100
28) Pyrene	19.67	202	12791	0.364	ng	99
30) Benzo(a)anthracene	21.40	228	12128	0.376	ng	# 62
31) Chrysene	21.46	228	11925	0.384	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.29	149	27246	0.293	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	11202	0.358	ng	99
35) Benzo(b)fluoranthene	23.17	252	11063	0.372	ng	# 41
36) Benzo(k)fluoranthene	23.22	252	12016	0.410	ng	# 41
37) Benzo(a)pyrene	23.84	252	10997	0.393	ng	# 35
38) Dibenzo(a,h)anthracene	26.64	278	9676	0.365	ng	# 46
39) Benzo(g,h,i)perylene	27.47	276	9144	0.359	ng	# 56

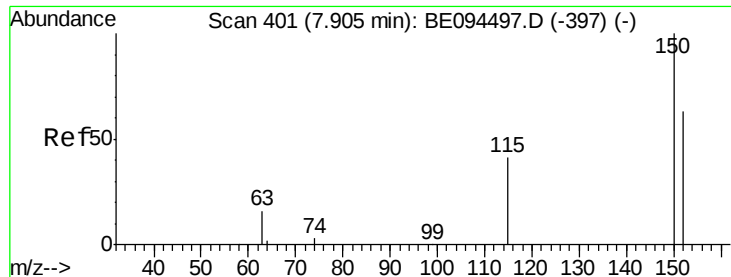
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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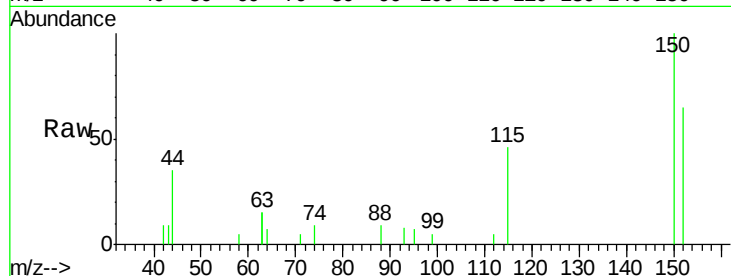


#1

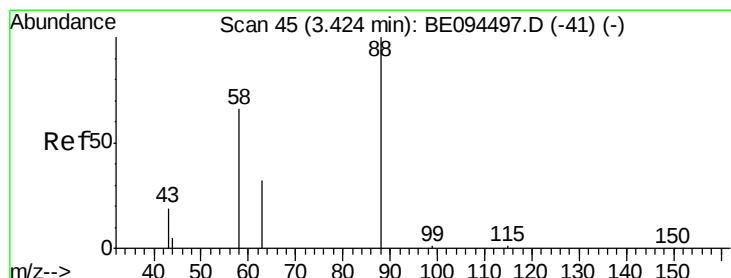
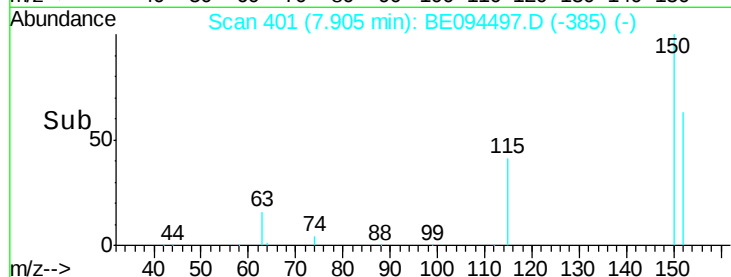
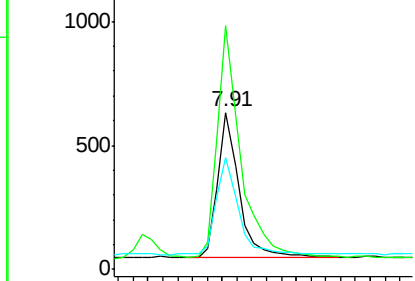
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094497.D
Acq: 23 Oct 2017 16:04

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 152 Resp: 1180
Ion Ratio Lower Upper
152 100
150 154.9 117.2 175.8
115 70.8 57.0 85.6



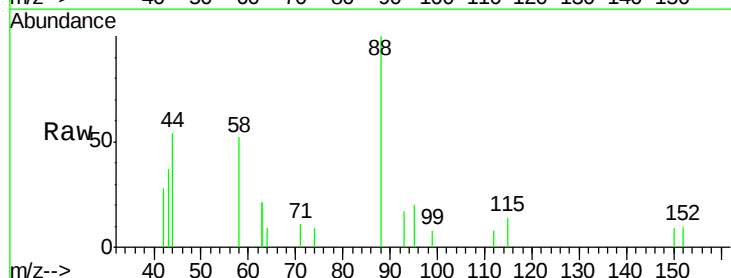
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



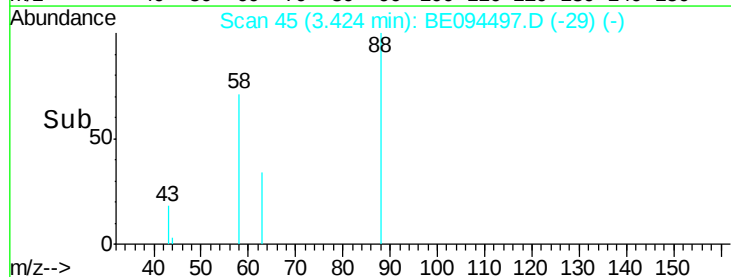
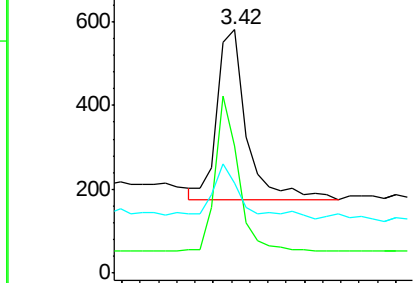
#2

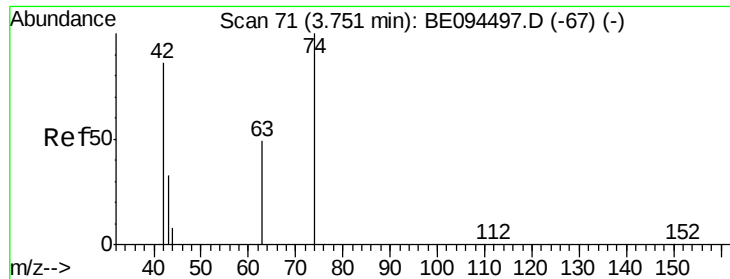
1,4-Dioxane
Concen: 0.449 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE094497.D
Acq: 23 Oct 2017 16:04

Tgt Ion: 88 Resp: 924
Ion Ratio Lower Upper
88 100
58 71.0 63.2 94.8
43 22.4 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: 0.375 ng

RT: 3.75 min Scan# 71

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

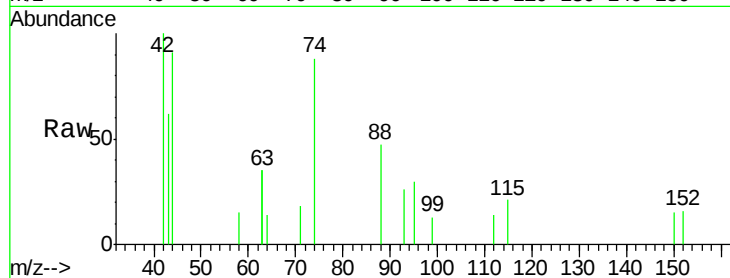
Tgt Ion: 42 Resp: 769

Ion Ratio Lower Upper

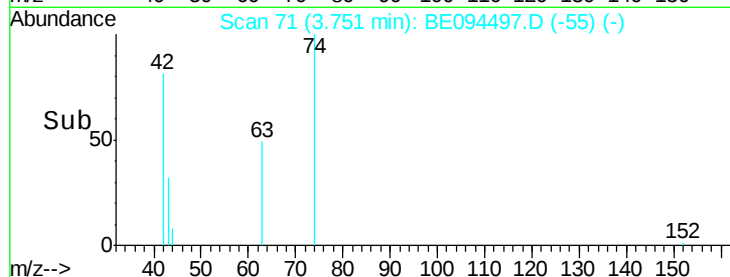
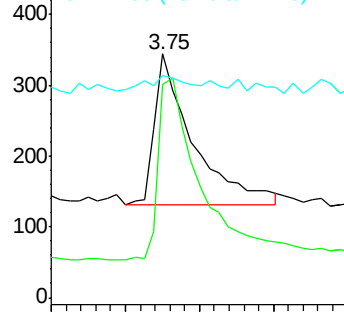
42 100

74 131.1 100.3 150.5

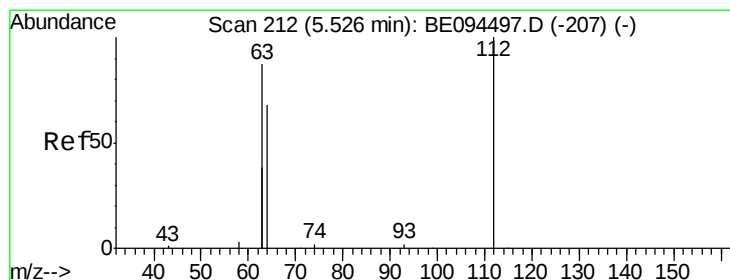
44 11.3 17.0 25.4#



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



Time-->



#4

2-Fluorophenol

Concen: 0.406 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

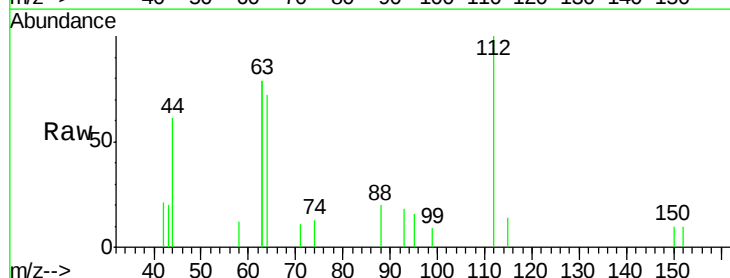
Tgt Ion: 112 Resp: 1619

Ion Ratio Lower Upper

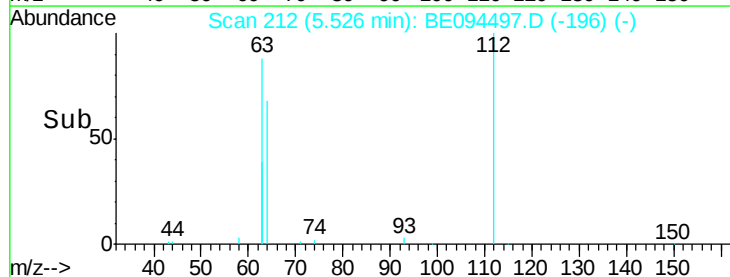
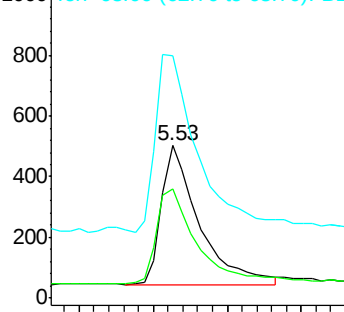
112 100

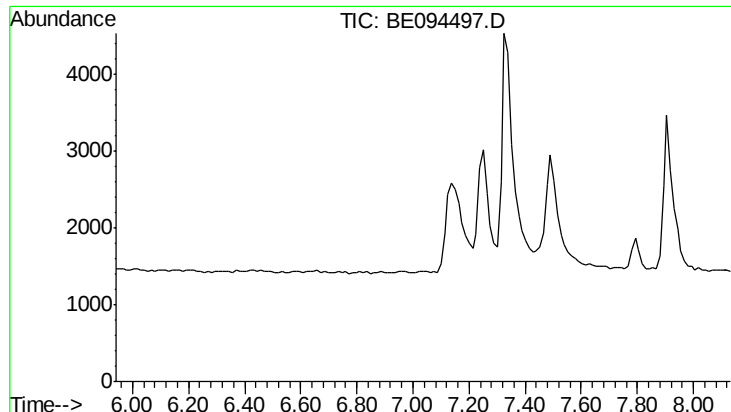
64 73.1 60.1 90.1

63 144.3 116.8 175.2



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: 0.000 ng

Expected RT: 7.14 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

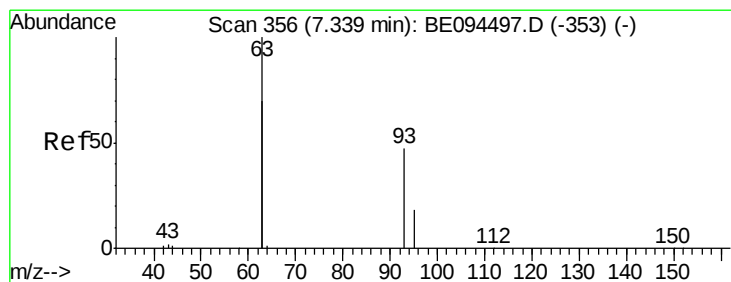
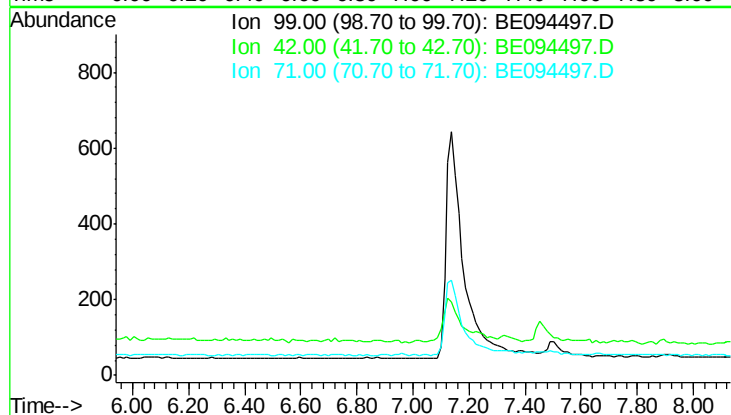
Tgt Ion: 99

Sig Exp Ratio

99 100

42 25.2

71 35.5



#6

bis(2-Chloroethyl)ether

Concen: 0.407 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

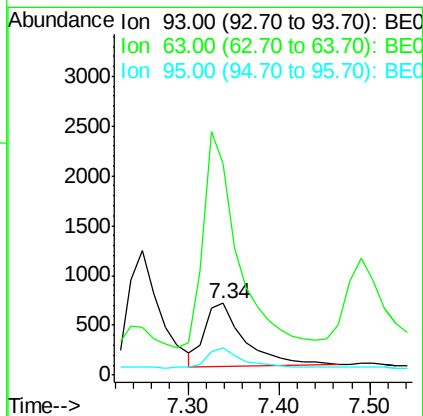
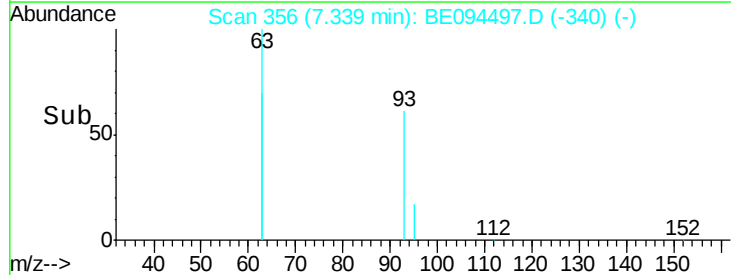
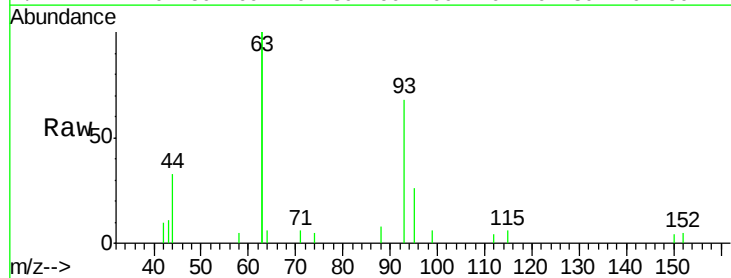
Tgt Ion: 93 Resp: 1870

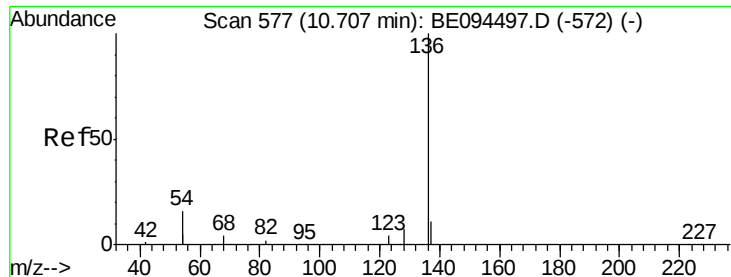
Ion Ratio Lower Upper

93 100

63 306.8 275.3 412.9

95 30.1 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: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

Tgt Ion:136 Resp: 6527

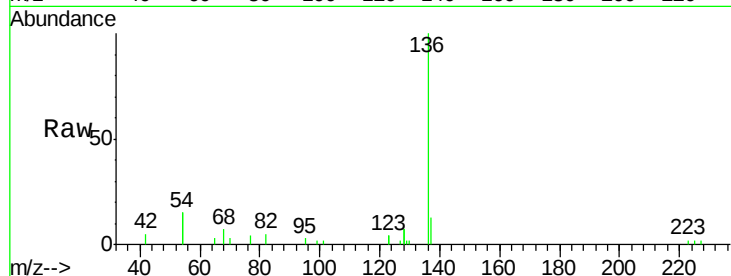
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 30.8 29.1 43.7

68 6.7 6.2 9.2

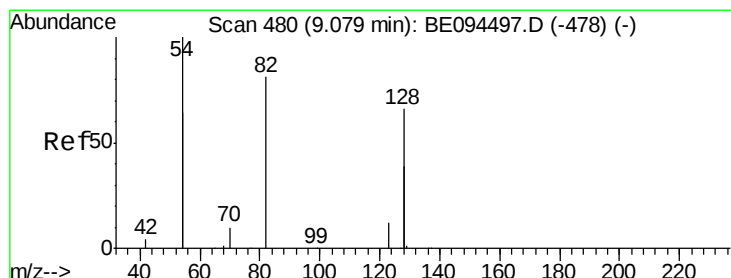
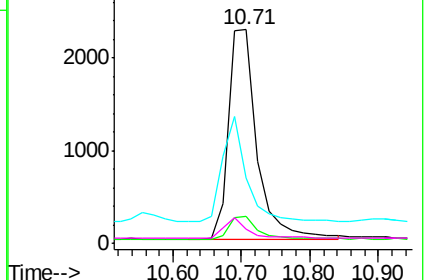
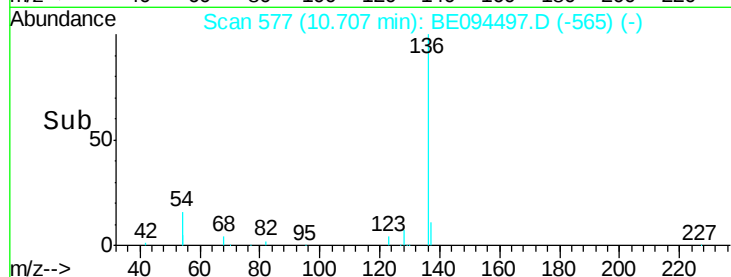


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.021 ng

RT: 8.96 min Scan# 473

Delta R.T. -0.12 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

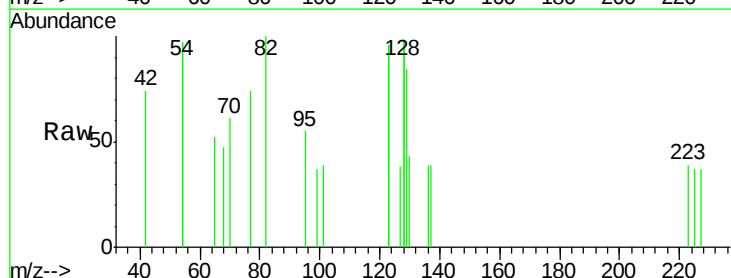
Tgt Ion: 82 Resp: 121

Ion Ratio Lower Upper

82 100

128 195.0 150.0 225.0

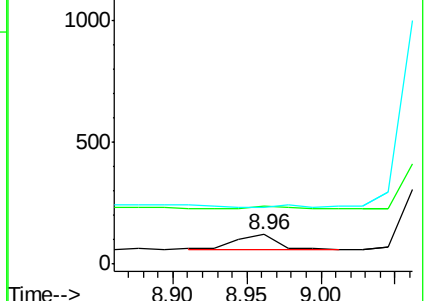
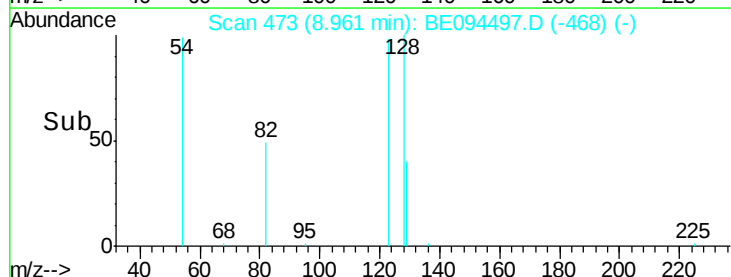
54 193.4 154.2 231.4

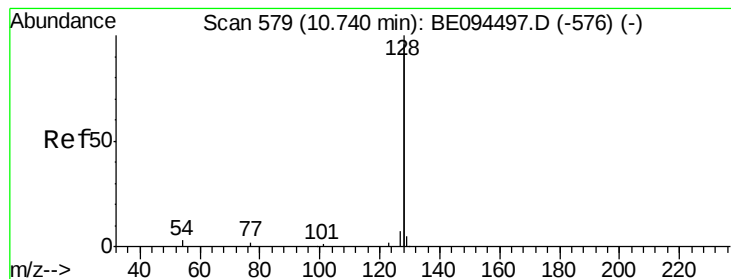


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.416 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

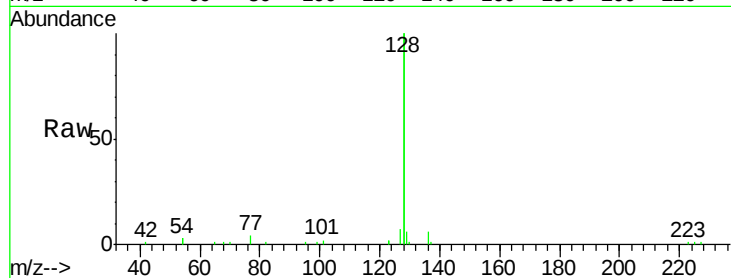
Tgt Ion:128 Resp: 30354

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

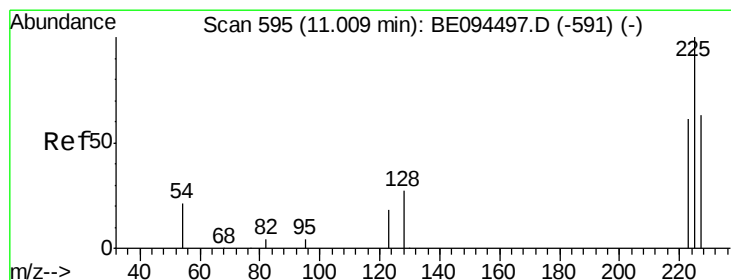
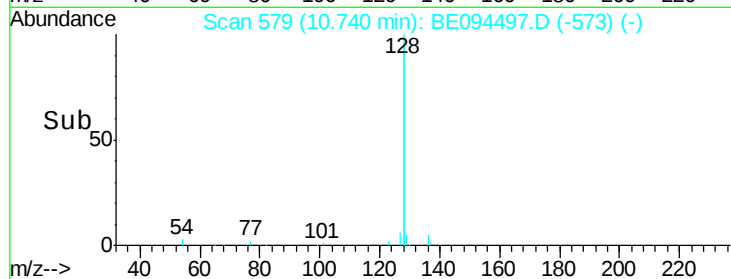
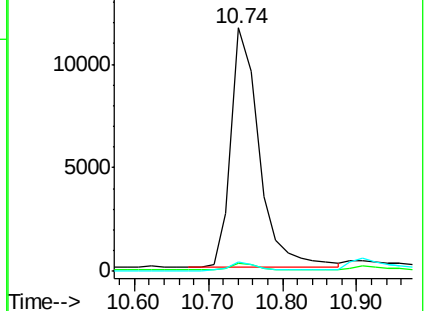
127 3.7 2.8 4.2



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: 0.373 ng

RT: 11.01 min Scan# 595

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

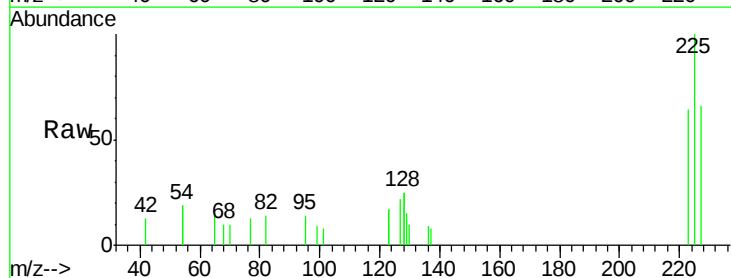
Tgt Ion:225 Resp: 1087

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

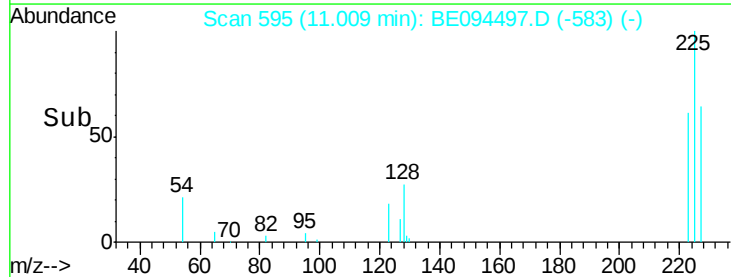
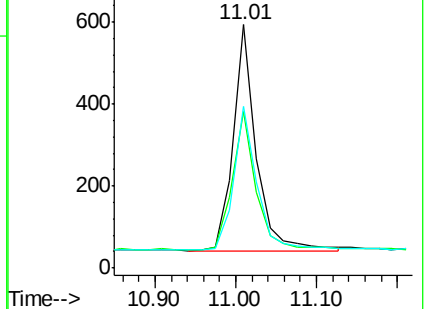
227 64.7 51.4 77.2

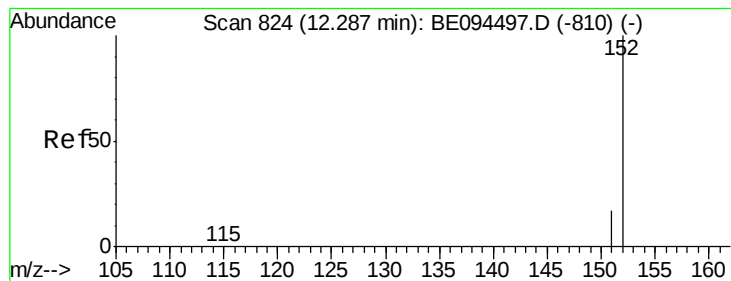


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.427 ng

RT: 12.29 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

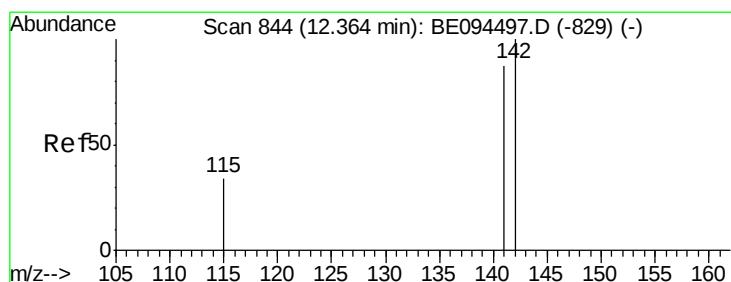
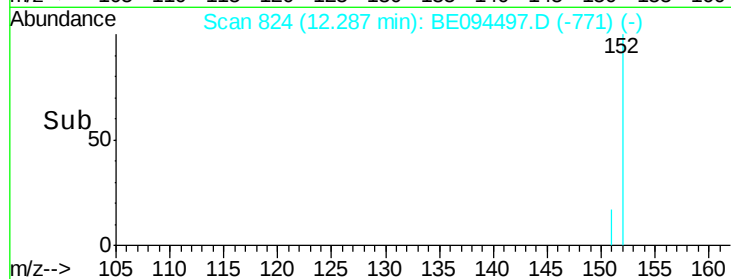
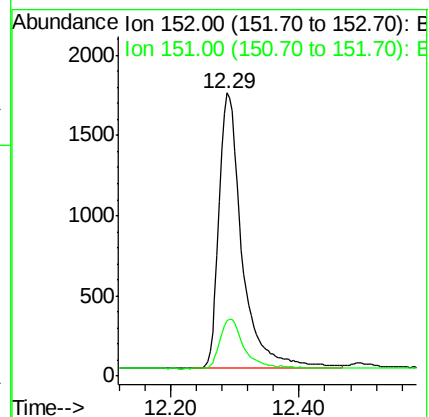
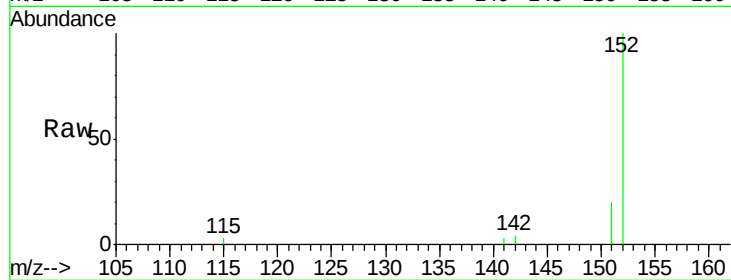
SSTDICCC0.4

Tgt Ion:152 Resp: 4296

Ion Ratio Lower Upper

152 100

151 18.1 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.421 ng

RT: 12.36 min Scan# 844

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

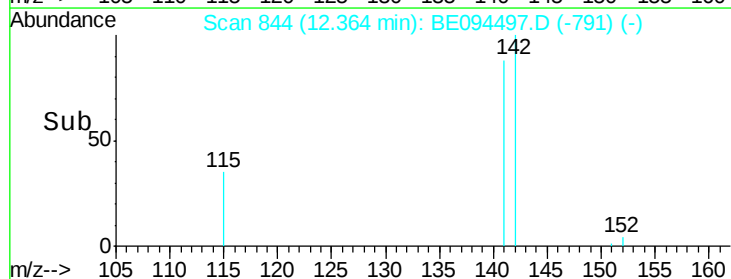
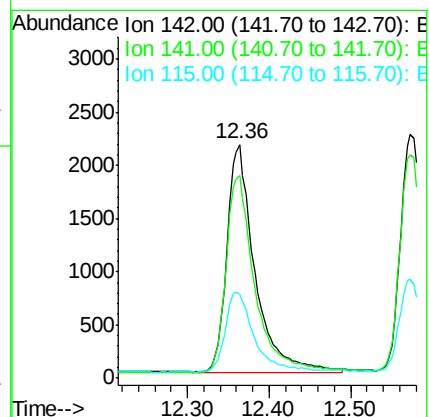
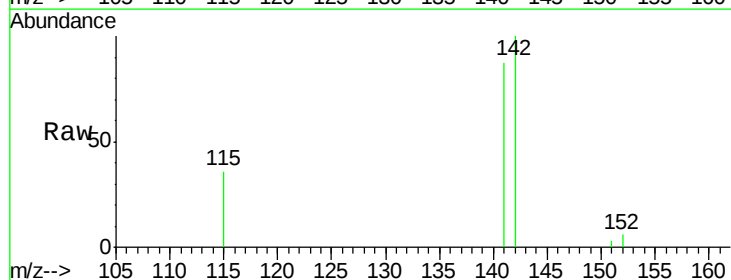
Tgt Ion:142 Resp: 5063

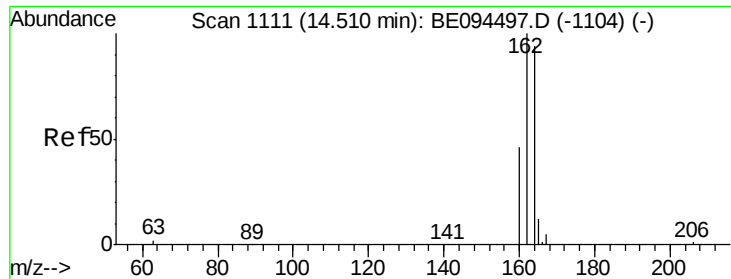
Ion Ratio Lower Upper

142 100

141 86.7 70.4 105.6

115 36.0 31.7 47.5

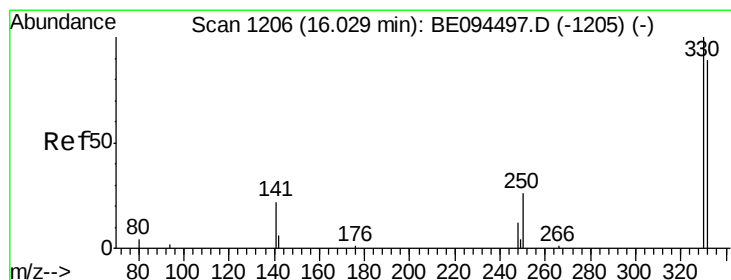
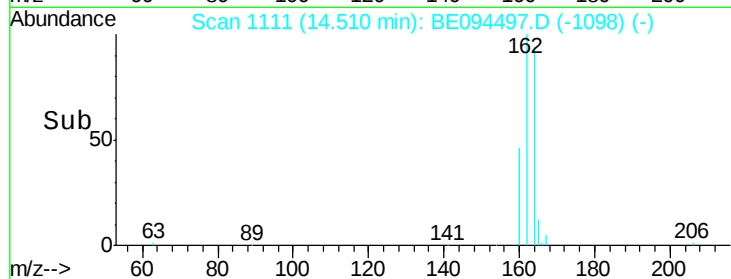
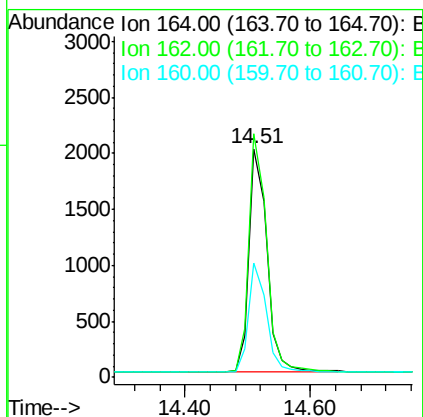
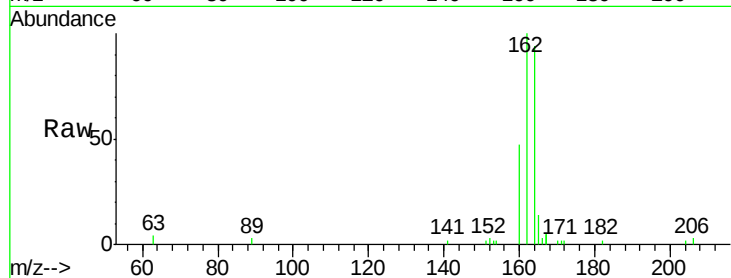




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094497.D
Acq: 23 Oct 2017 16:04

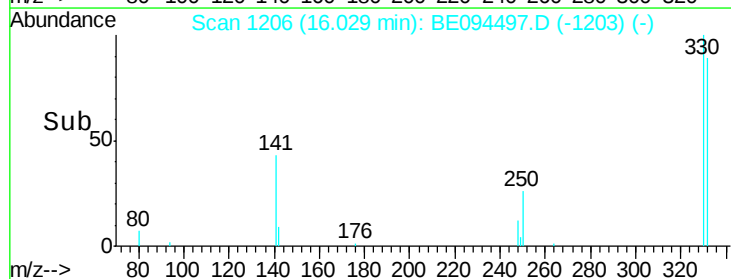
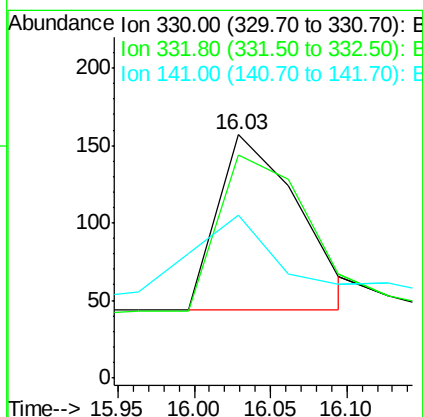
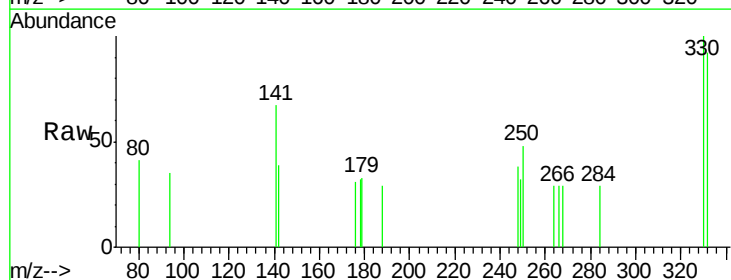
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

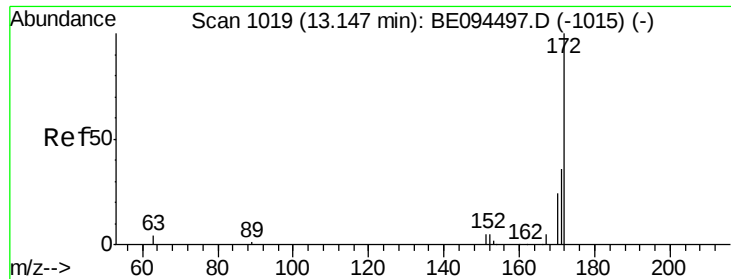
Tgt Ion:164 Resp: 3950
Ion Ratio Lower Upper
164 100
162 106.4 83.1 124.7
160 50.1 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.278 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094497.D
Acq: 23 Oct 2017 16:04

Tgt Ion:330 Resp: 419
Ion Ratio Lower Upper
330 100
332 98.1 152.7 229.1#
141 24.3 33.7 50.5#

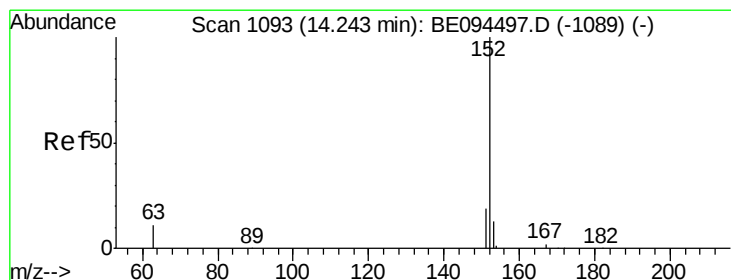
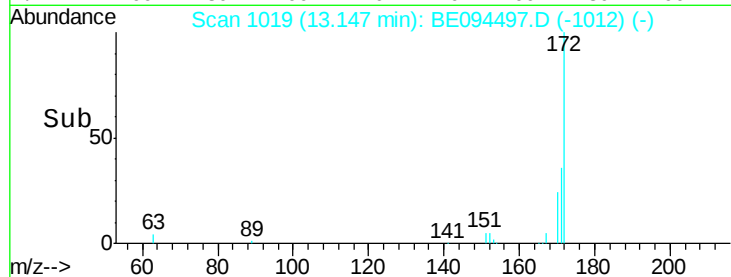
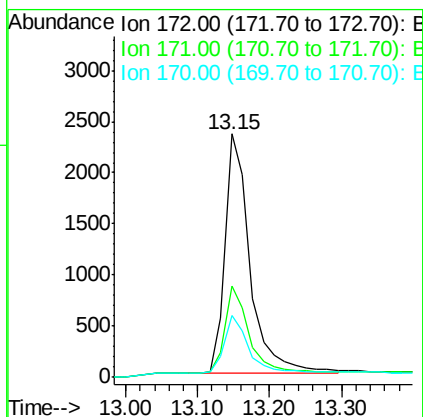
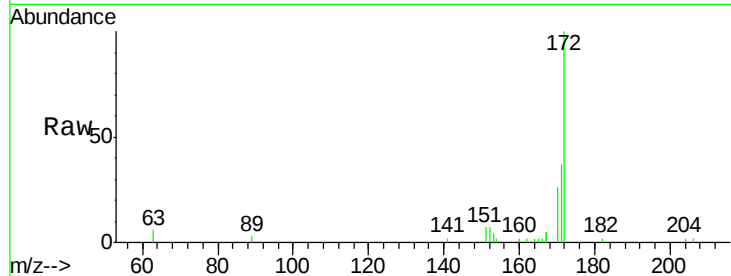




#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094497.D
Acq: 23 Oct 2017 16:04

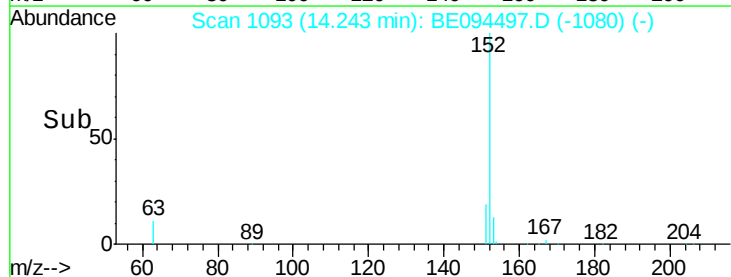
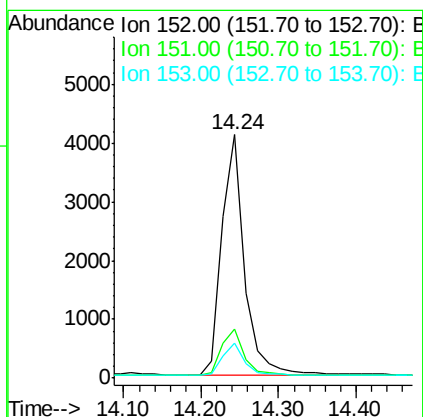
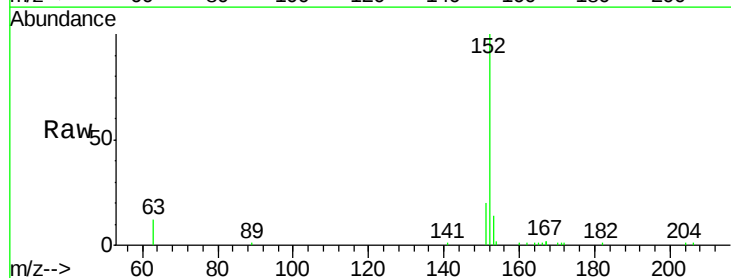
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

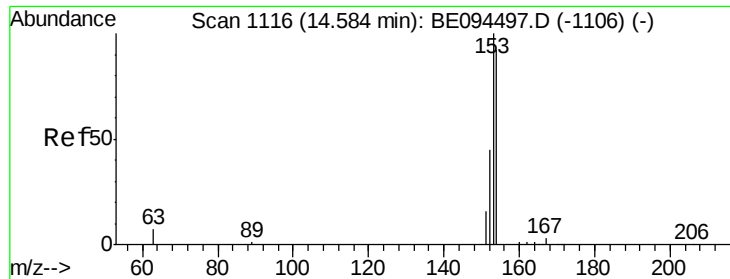
Tgt Ion:172 Resp: 5642
Ion Ratio Lower Upper
172 100
171 37.4 29.9 44.9
170 25.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094497.D
Acq: 23 Oct 2017 16:04

Tgt Ion:152 Resp: 8262
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.403 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

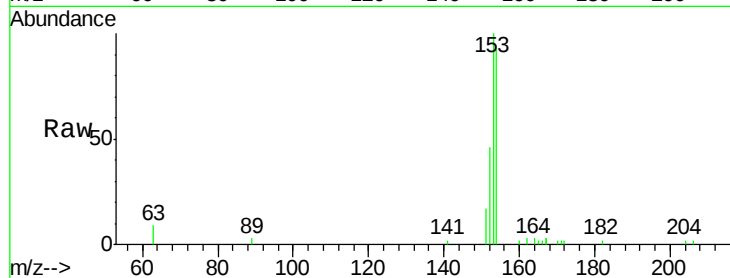
Tgt Ion:154 Resp: 5434

Ion Ratio Lower Upper

154 100

153 112.3 89.2 133.8

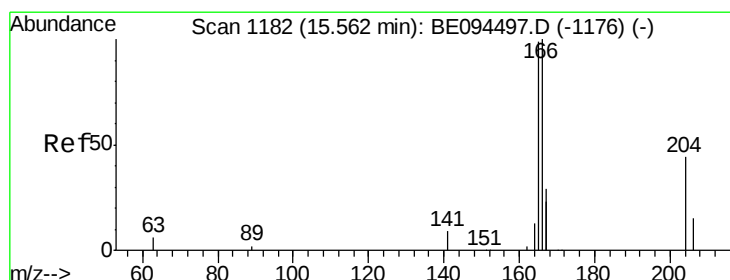
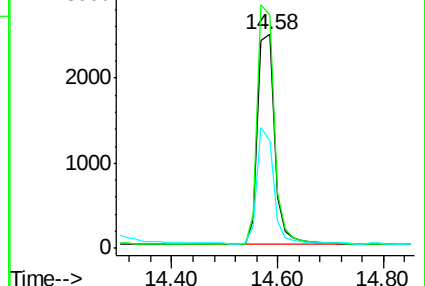
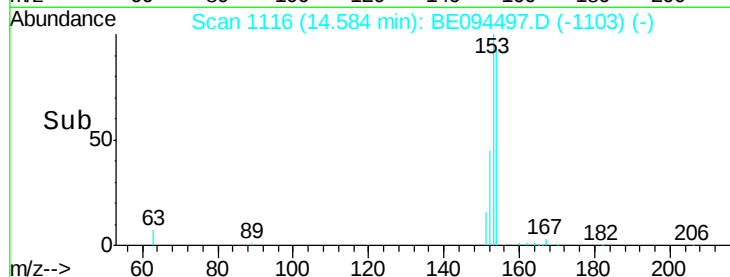
152 52.6 42.0 63.0



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: 0.394 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

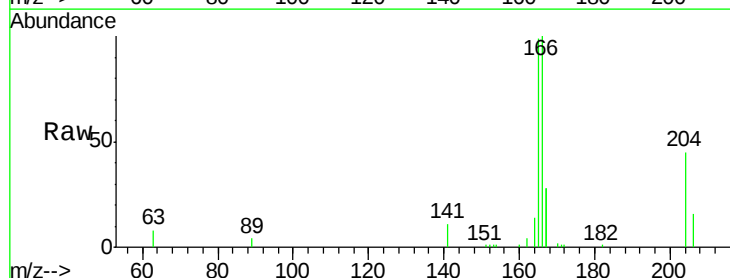
Tgt Ion:166 Resp: 6856

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.6

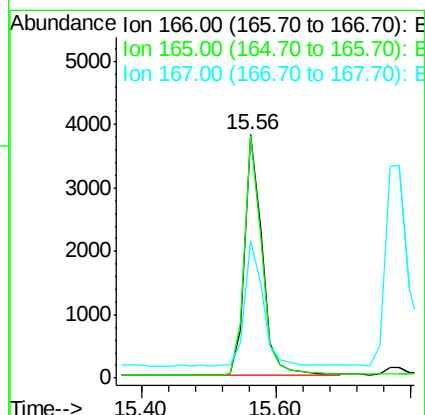
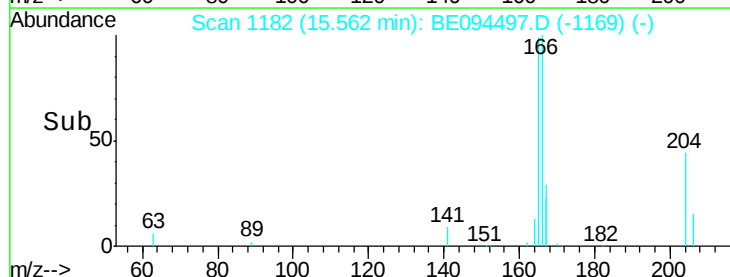
167 53.9 42.4 63.6

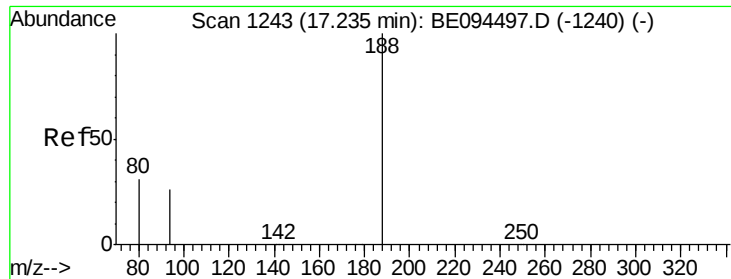


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

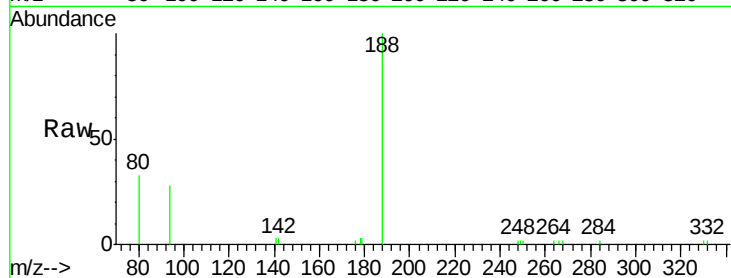
Tgt Ion:188 Resp: 7558

Ion Ratio Lower Upper

188 100

94 27.9 3.9 5.9#

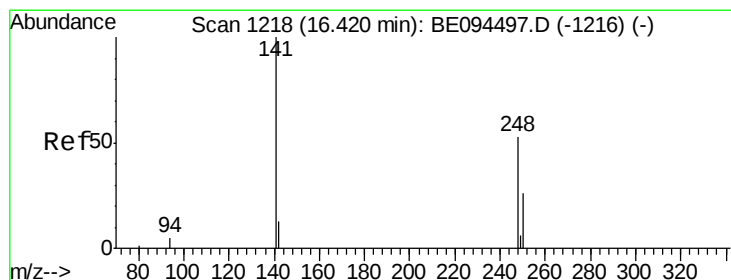
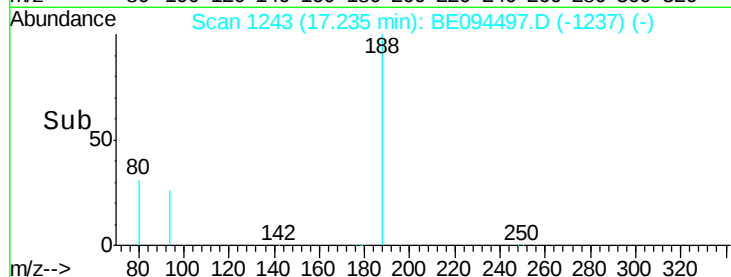
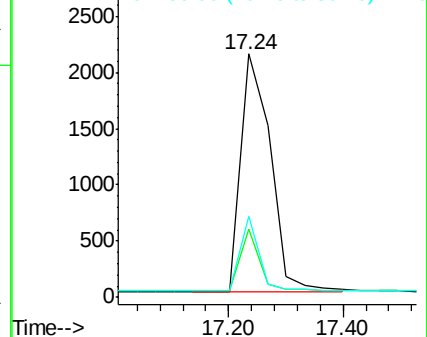
80 33.3 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE

Ion 80.00 (79.70 to 80.70): BE



#20

4-Bromophenyl-phenylether

Concen: 0.427 ng

RT: 16.42 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

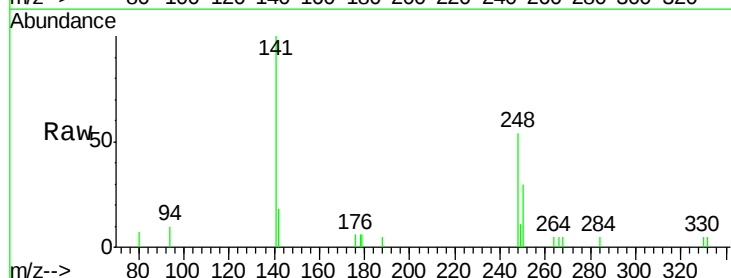
Tgt Ion:248 Resp: 1613

Ion Ratio Lower Upper

248 100

250 54.7 62.7 94.1#

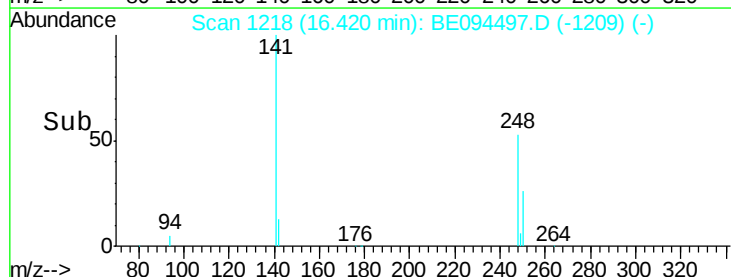
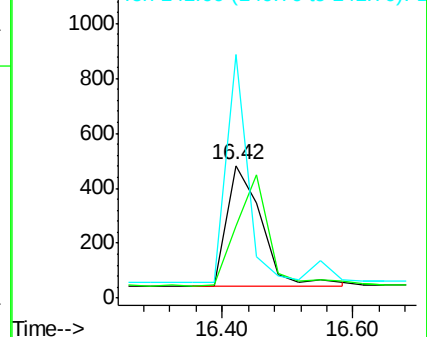
141 183.6 48.2 72.2#

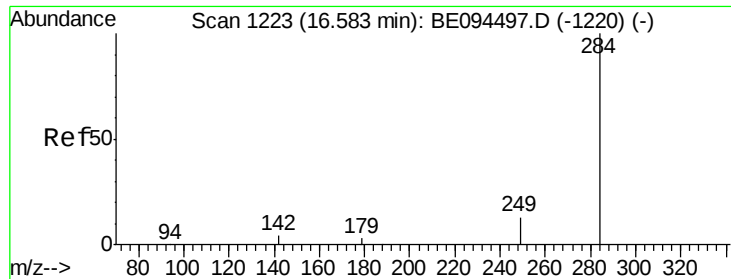


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.240 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

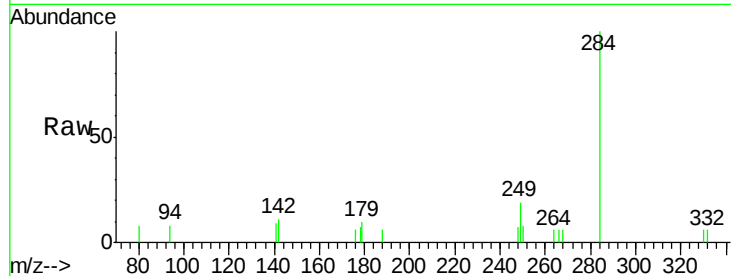
Tgt Ion:284 Resp: 1658

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

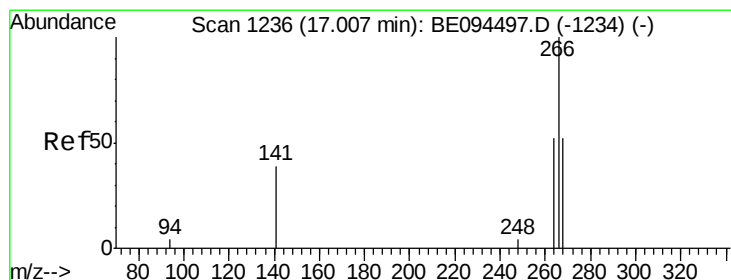
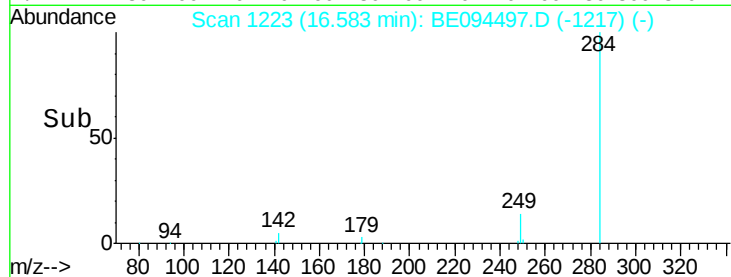
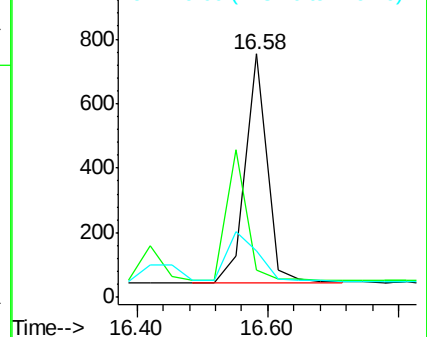
249 0.0 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.145 ng

RT: 17.01 min Scan# 1236

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

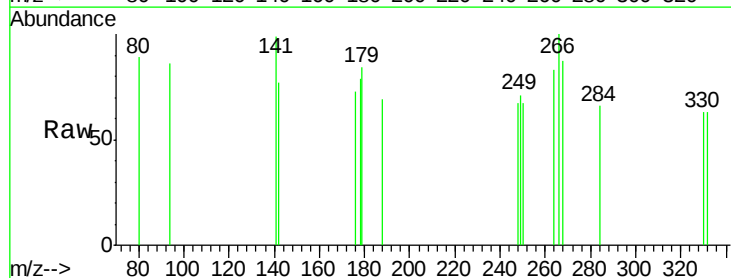
Tgt Ion:266 Resp: 88

Ion Ratio Lower Upper

266 100

264 82.9 72.5 108.7

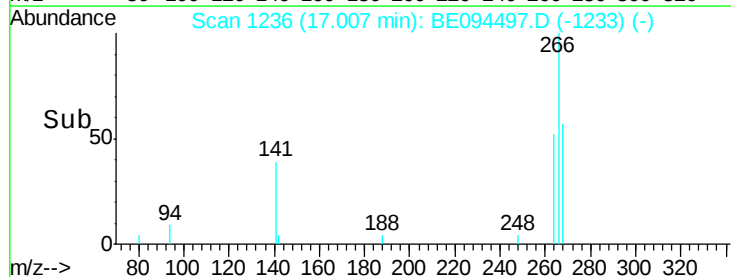
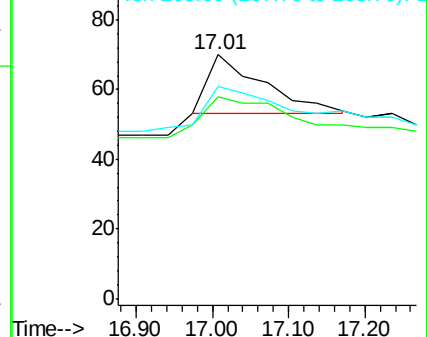
268 87.1 73.8 110.6

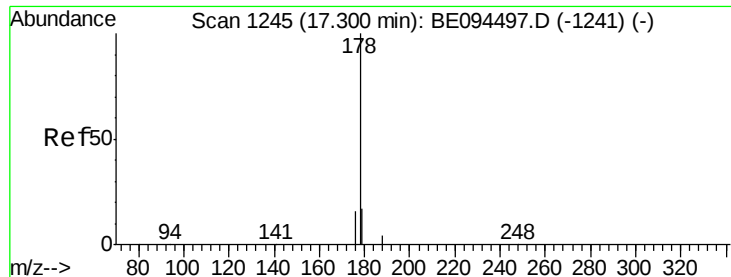


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.292 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

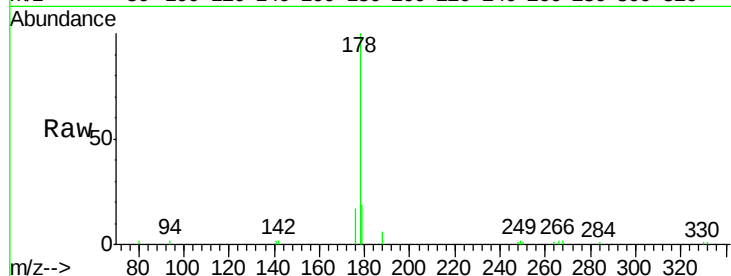
Tgt Ion:178 Resp: 8674

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

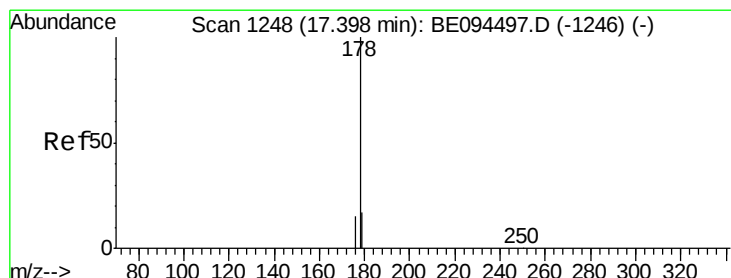
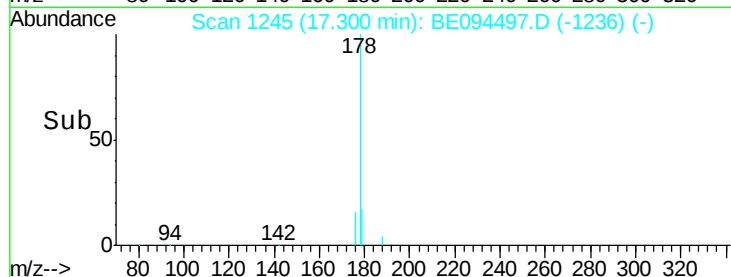
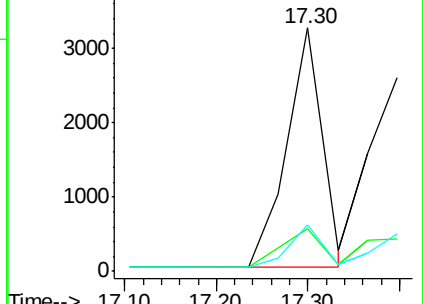
179 20.3 11.8 17.6#



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: 0.377 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

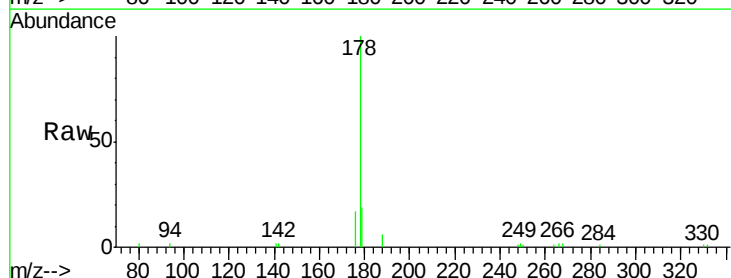
Tgt Ion:178 Resp: 8674

Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

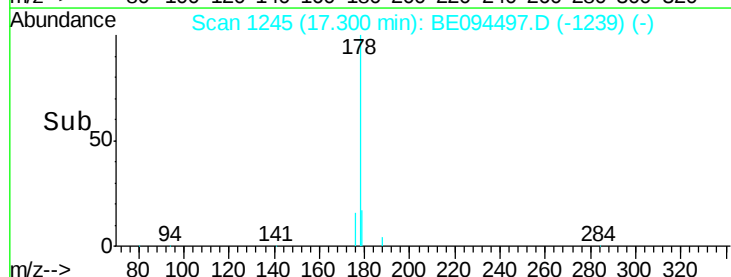
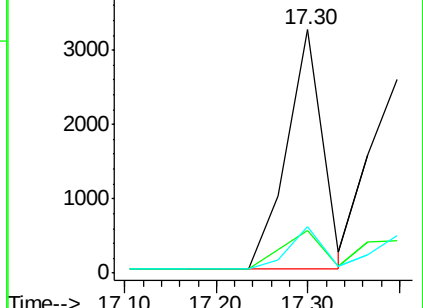
179 20.3 13.0 19.6#

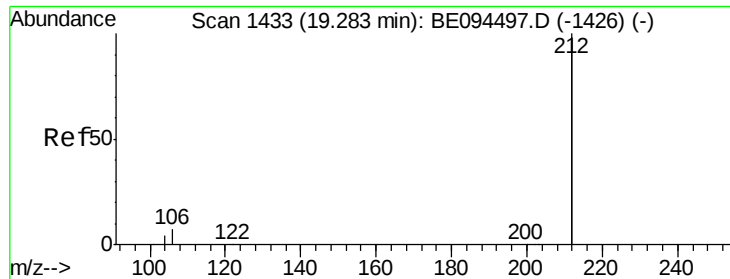


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

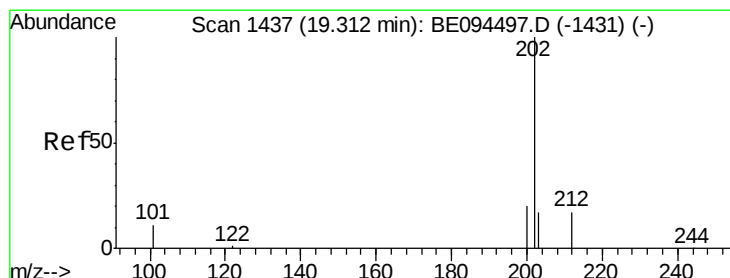
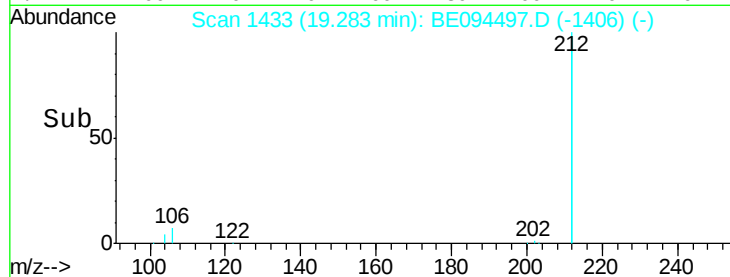
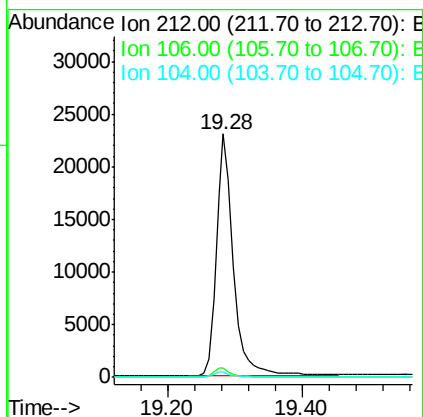
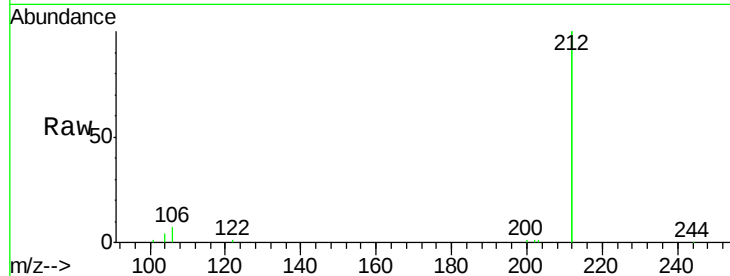




#25
 Fluoranthene-d10
 Concen: 0.333 ng
 RT: 19.28 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BE094497.D
 Acq: 23 Oct 2017 16:04

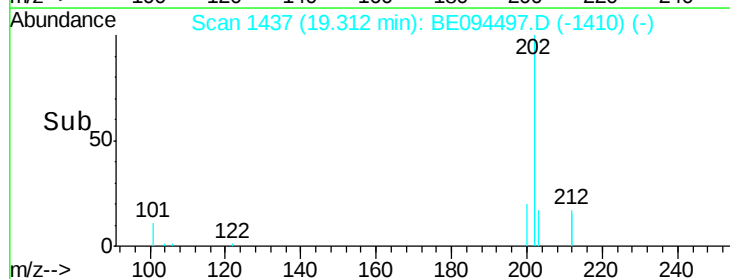
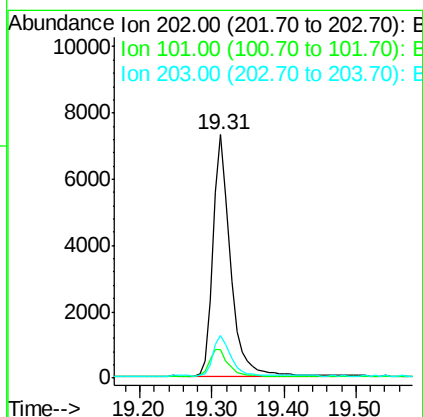
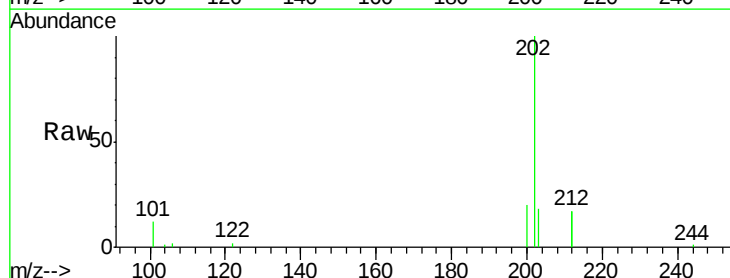
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

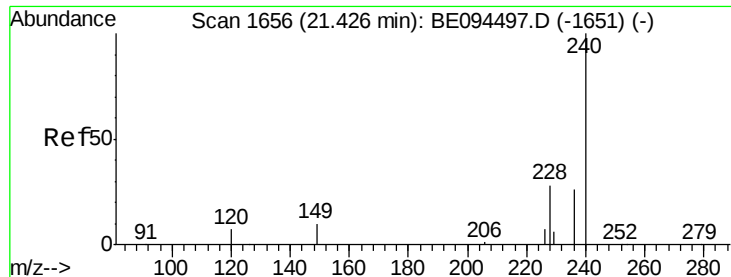
Tgt Ion: 212 Resp: 40471
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.8 4.2
 104 2.1 1.6 2.4



#26
 Fluoranthene
 Concen: 0.334 ng
 RT: 19.31 min Scan# 1437
 Delta R.T. 0.00 min
 Lab File: BE094497.D
 Acq: 23 Oct 2017 16:04

Tgt Ion: 202 Resp: 12315
 Ion Ratio Lower Upper
 202 100
 101 12.5 9.8 14.8
 203 17.1 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: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

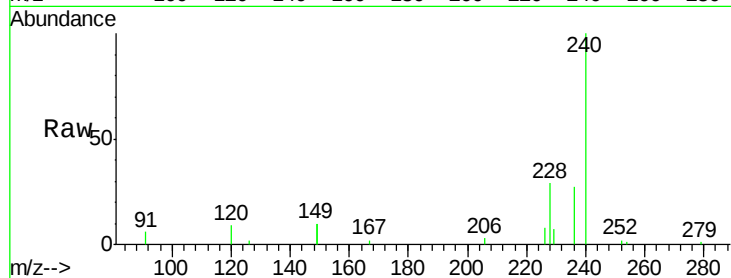
Tgt Ion:240 Resp: 9322

Ion Ratio Lower Upper

240 100

120 9.0 5.5 8.3#

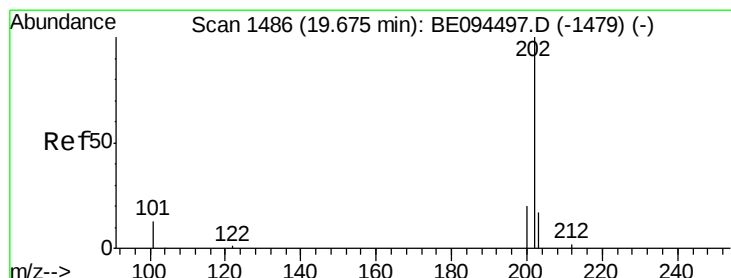
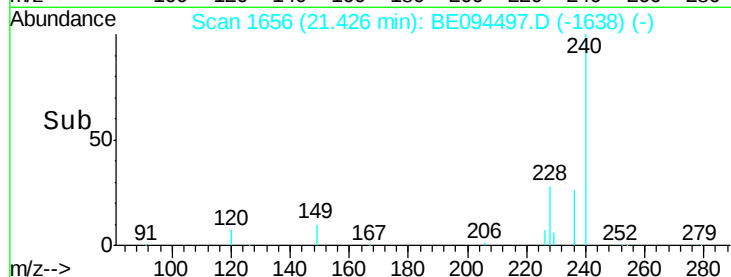
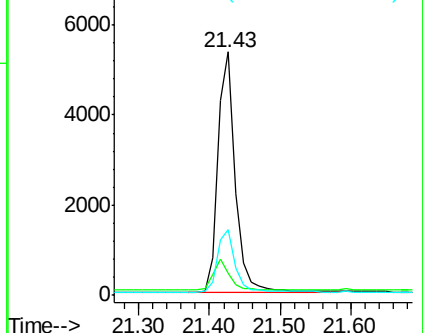
236 26.9 20.7 31.1



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: 0.364 ng

RT: 19.67 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

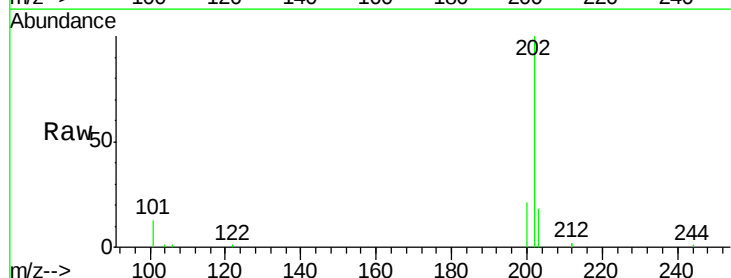
Tgt Ion:202 Resp: 12791

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

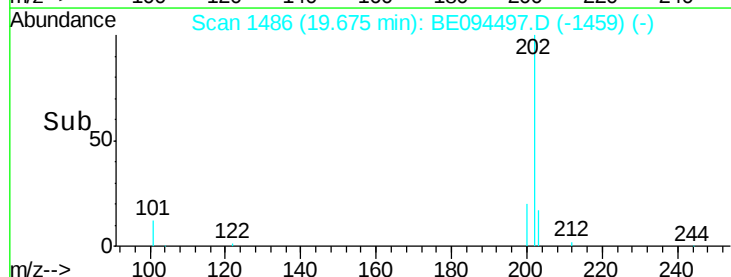
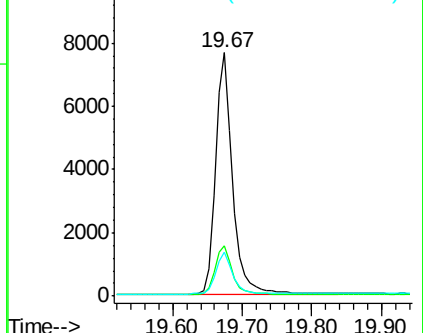
203 17.7 13.8 20.8

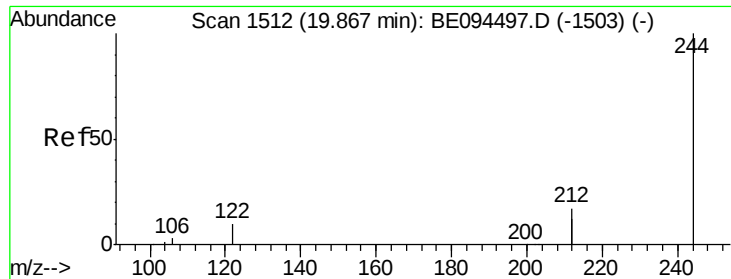


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.367 ng

RT: 19.87 min Scan# 1512

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

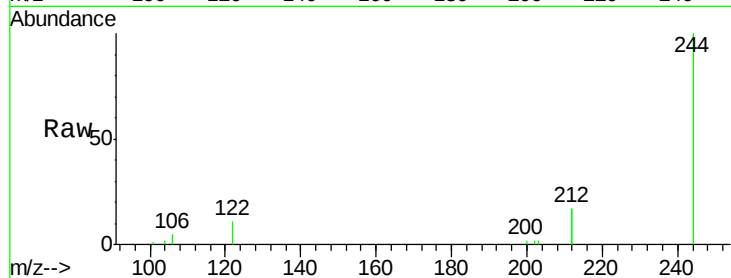
Tgt Ion:244 Resp: 6900

Ion Ratio Lower Upper

244 100

212 33.9 25.4 38.0

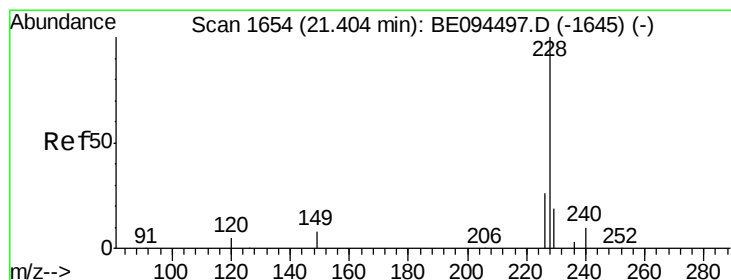
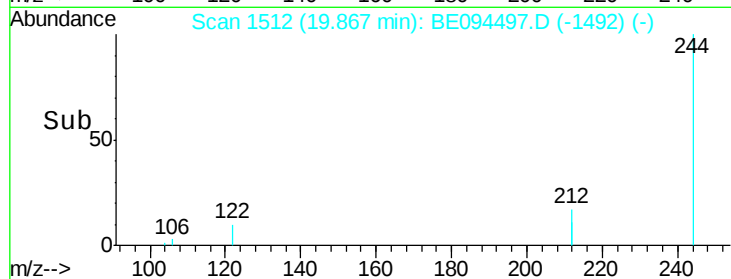
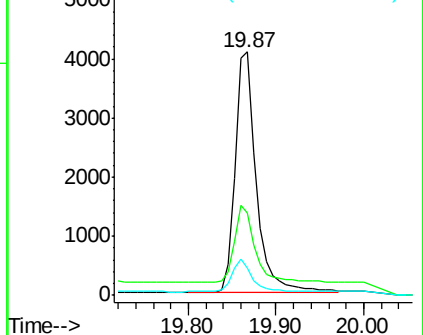
122 11.0 8.1 12.1



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: 0.376 ng

RT: 21.40 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

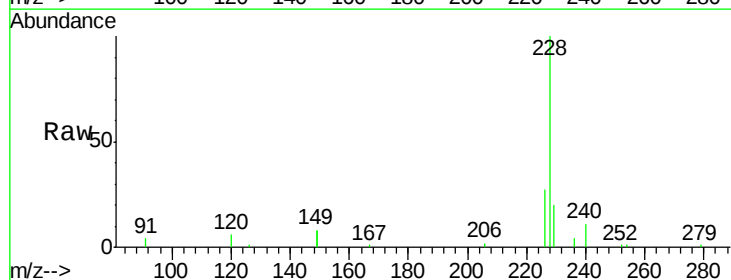
Tgt Ion:228 Resp: 12128

Ion Ratio Lower Upper

228 100

226 27.2 40.0 60.0#

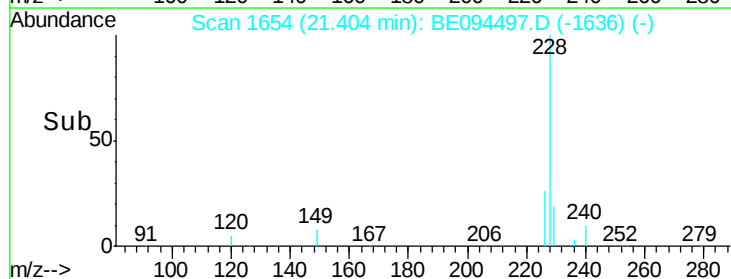
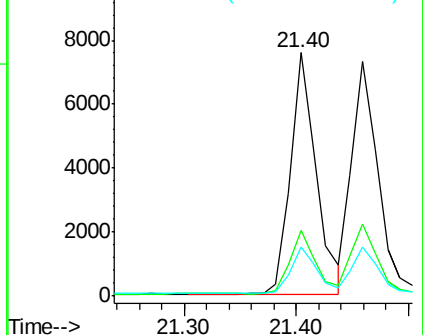
229 20.2 40.0 60.0#

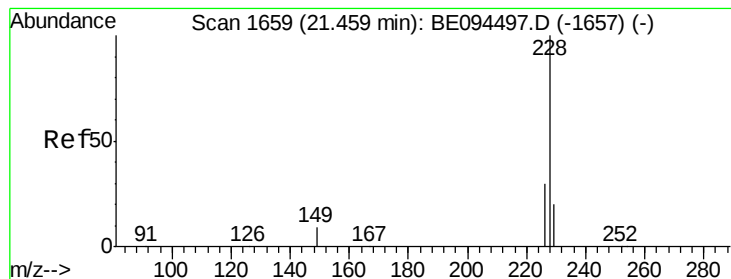


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.384 ng

RT: 21.46 min Scan# 1659

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

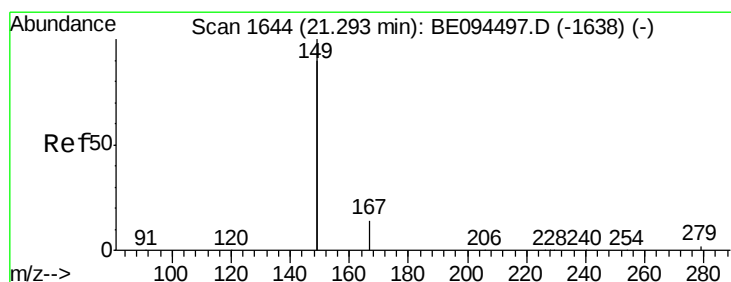
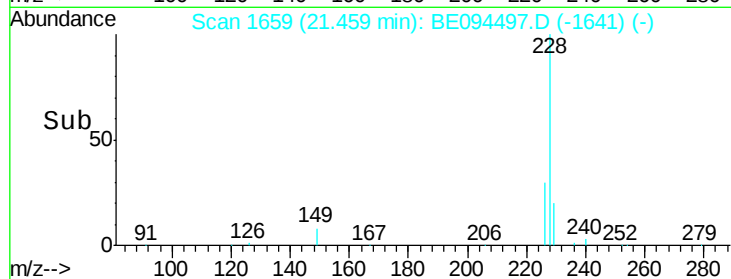
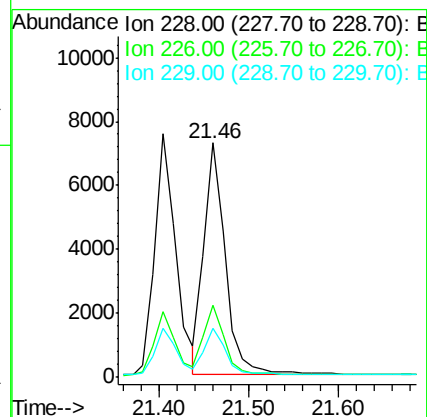
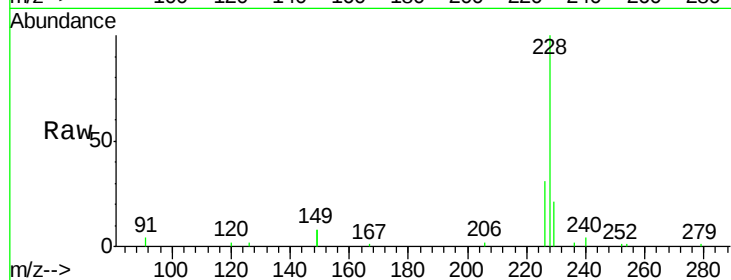
Tgt Ion:228 Resp: 11925

Ion Ratio Lower Upper

228 100

226 30.8 40.0 60.0#

229 20.9 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.293 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

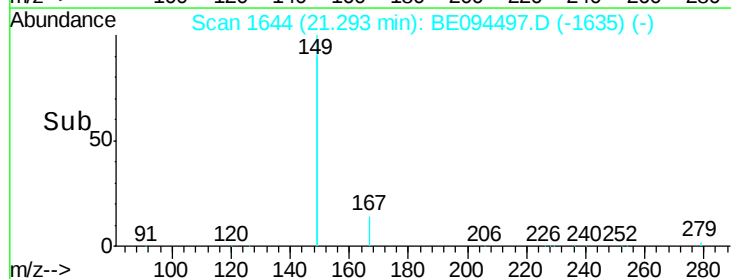
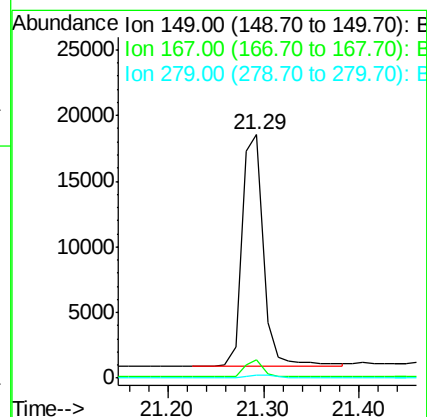
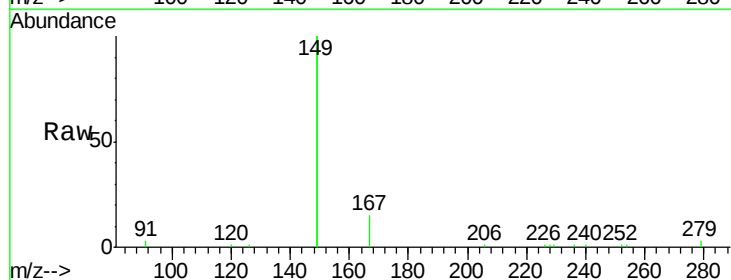
Tgt Ion:149 Resp: 27246

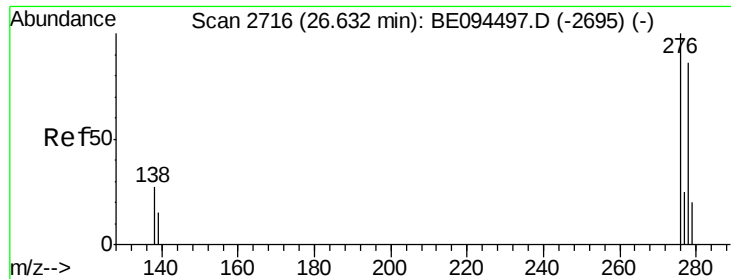
Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

279 0.9 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.358 ng

RT: 26.63 min Scan# 2716

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

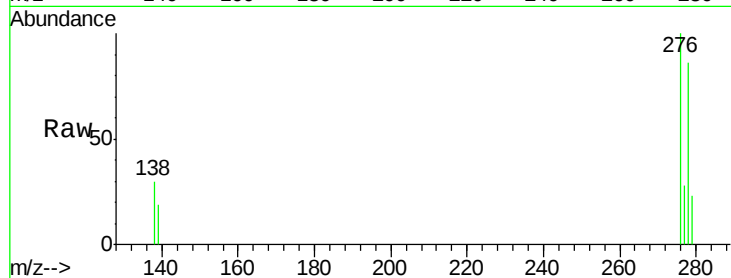
Tgt Ion:276 Resp: 11202

Ion Ratio Lower Upper

276 100

138 27.3 22.5 33.7

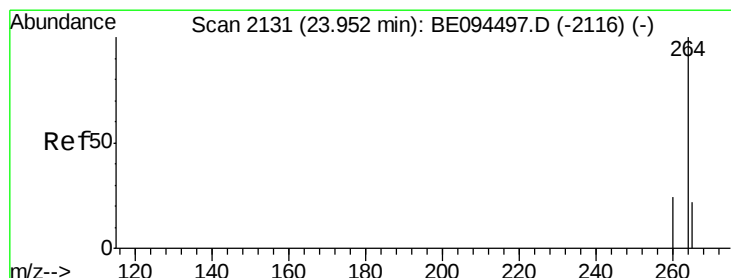
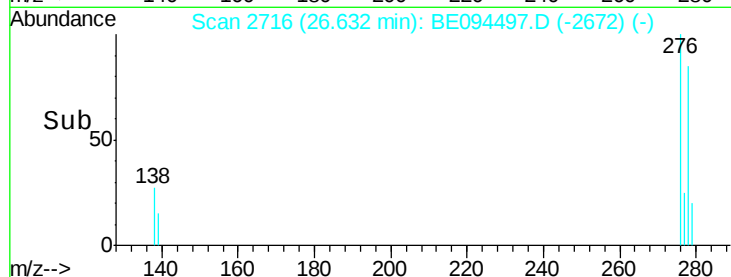
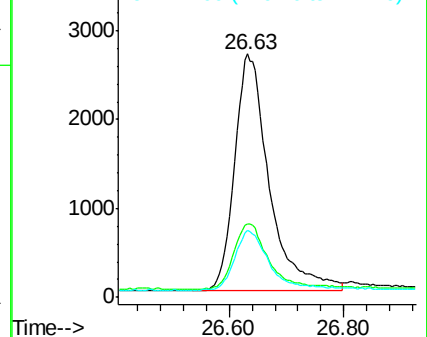
277 24.6 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

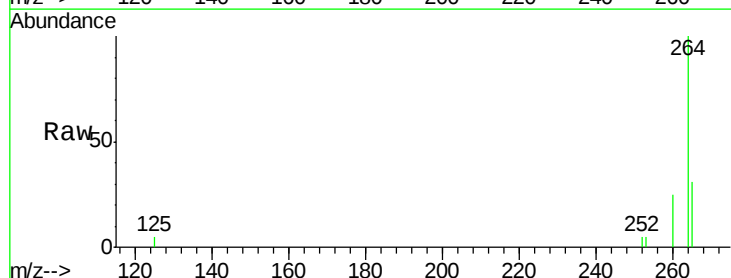
Tgt Ion:264 Resp: 8779

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

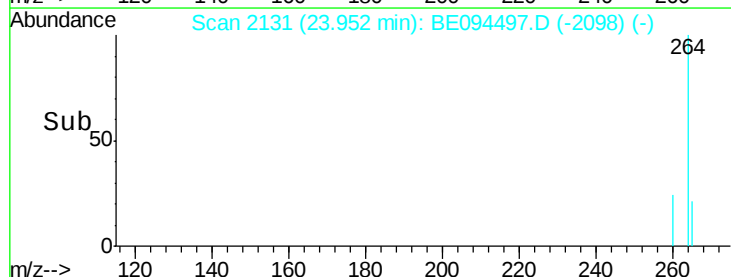
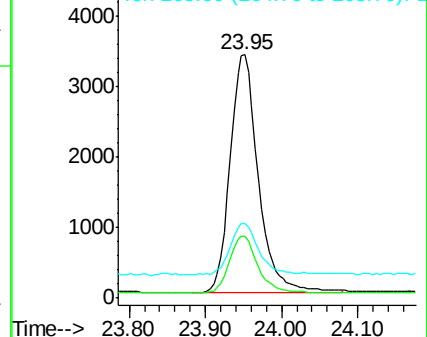
265 30.8 22.8 34.2

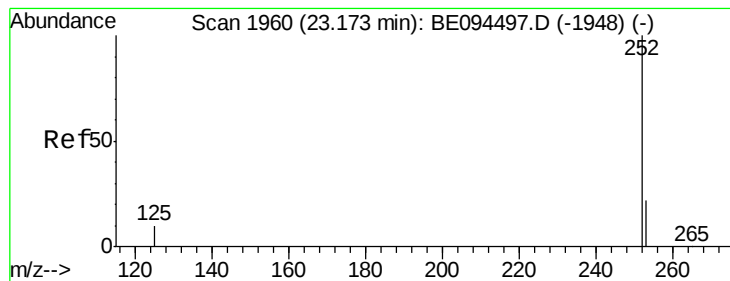


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.372 ng

RT: 23.17 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

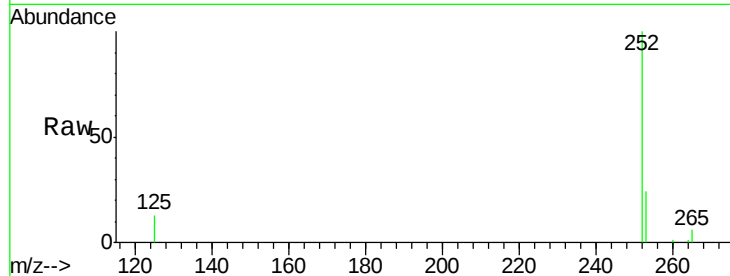
Tgt Ion:252 Resp: 11063

Ion Ratio Lower Upper

252 100

253 24.4 48.0 72.0#

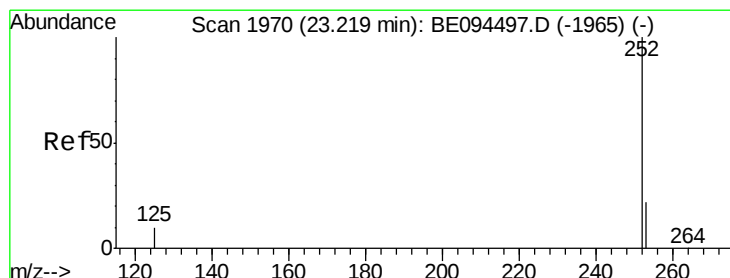
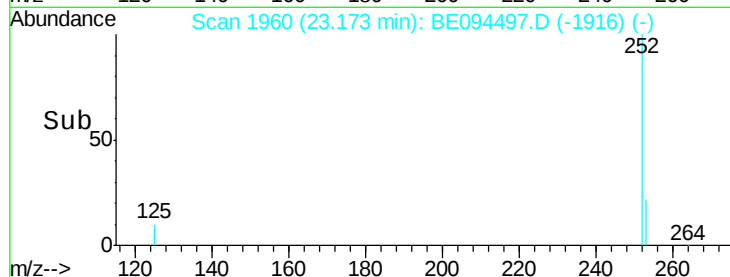
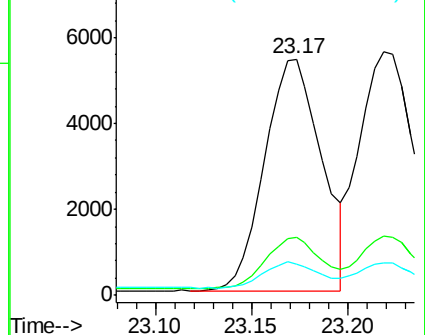
125 13.3 56.0 84.0#



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: 0.410 ng

RT: 23.22 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

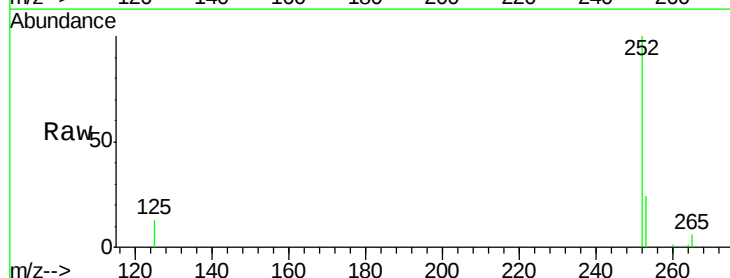
Tgt Ion:252 Resp: 12016

Ion Ratio Lower Upper

252 100

253 24.2 48.0 72.0#

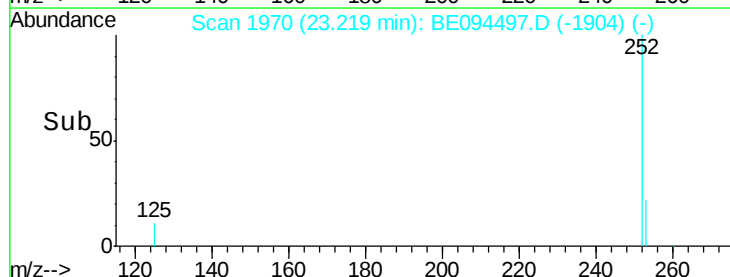
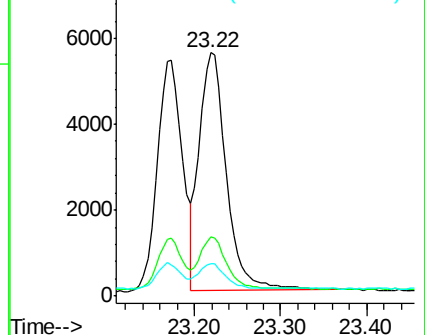
125 13.5 56.0 84.0#

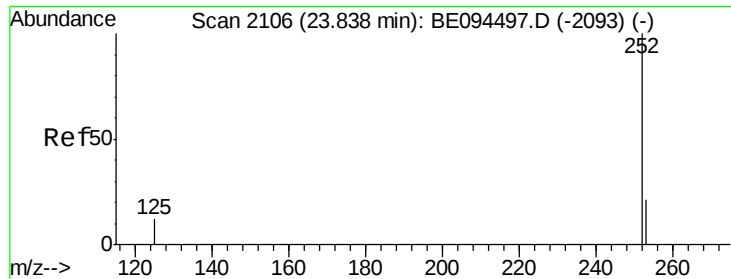


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.393 ng

RT: 23.84 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

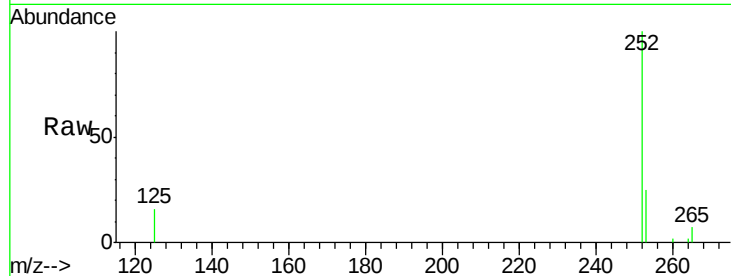
Tgt Ion:252 Resp: 10997

Ion Ratio Lower Upper

252 100

253 24.7 52.0 78.0#

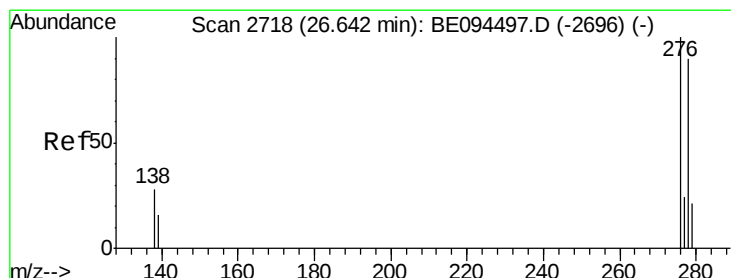
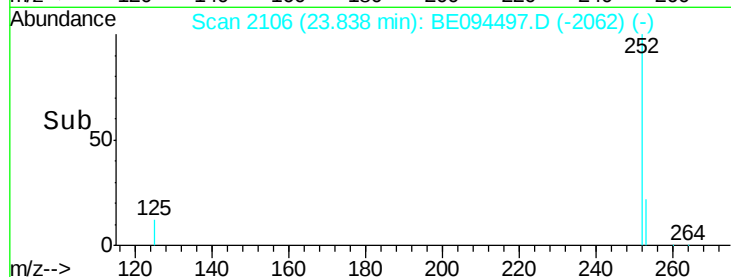
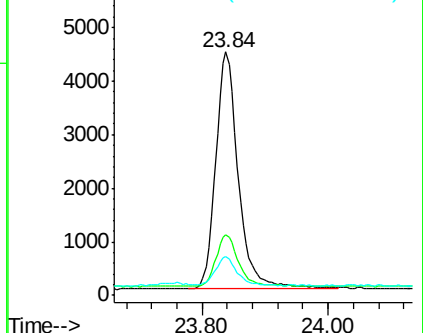
125 15.9 68.0 102.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.365 ng

RT: 26.64 min Scan# 2718

Delta R.T. 0.00 min

Lab File: BE094497.D

Acq: 23 Oct 2017 16:04

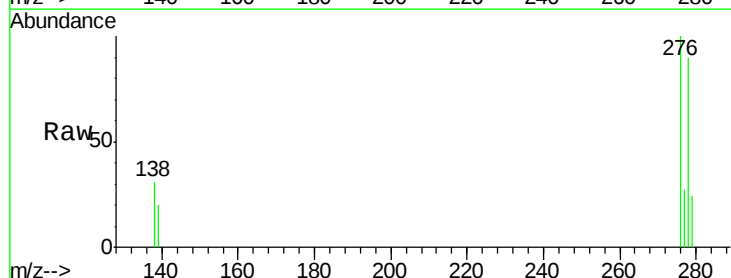
Tgt Ion:278 Resp: 9676

Ion Ratio Lower Upper

278 100

139 21.9 56.0 84.0#

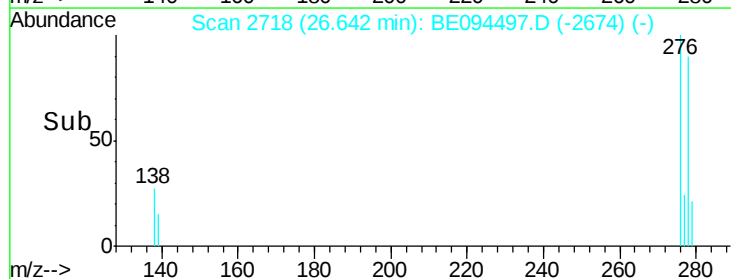
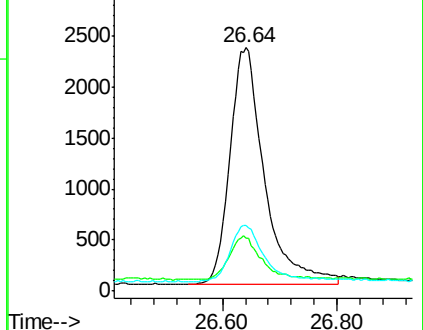
279 26.9 52.0 78.0#

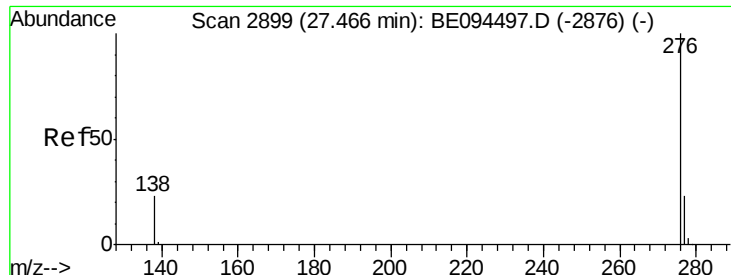


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.359 ng

RT: 27.47 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BE094497.D

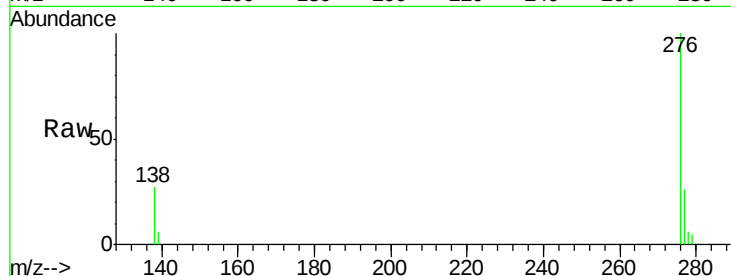
Acq: 23 Oct 2017 16:04

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4



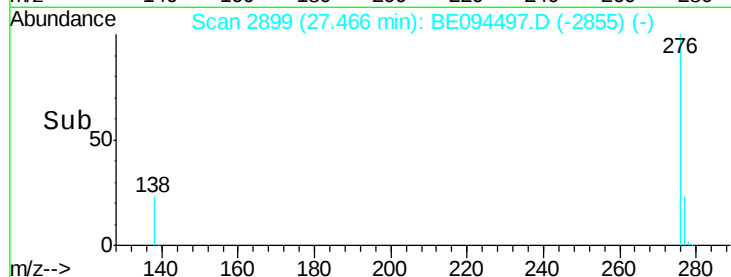
Tgt Ion: 276 Resp: 9144

Ion Ratio Lower Upper

276 100

277 26.4 52.0 78.0#

138 27.0 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

