

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094929.D
 Acq On : 5 Dec 2017 23:47
 Operator : SJ/JU
 Sample : I6698-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-DUP02-20171130

Quant Time: Dec 06 04:06:14 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.49	152	8274	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17947	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	10260	0.40	ng	-0.02
19) Phenanthrene-d10	17.77	188	26029	0.40	ng	0.00
27) Chrysene-d12	21.88	240	27532	0.40	ng	0.00
34) Perylene-d12	24.56	264	22417	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.96	112	1412	0.11	ng	0.00
5) Phenol-d6	7.59	99	1402	0.07	ng	0.00
8) Nitrobenzene-d5	9.66	82	4464	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	11542	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	446	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	19778	0.45	ng	0.00
25) Fluoranthene-d10	19.76	212	143687	0.40	ng	0.00
29) Terphenyl-d14	20.33	244	30517	0.60	ng	0.00

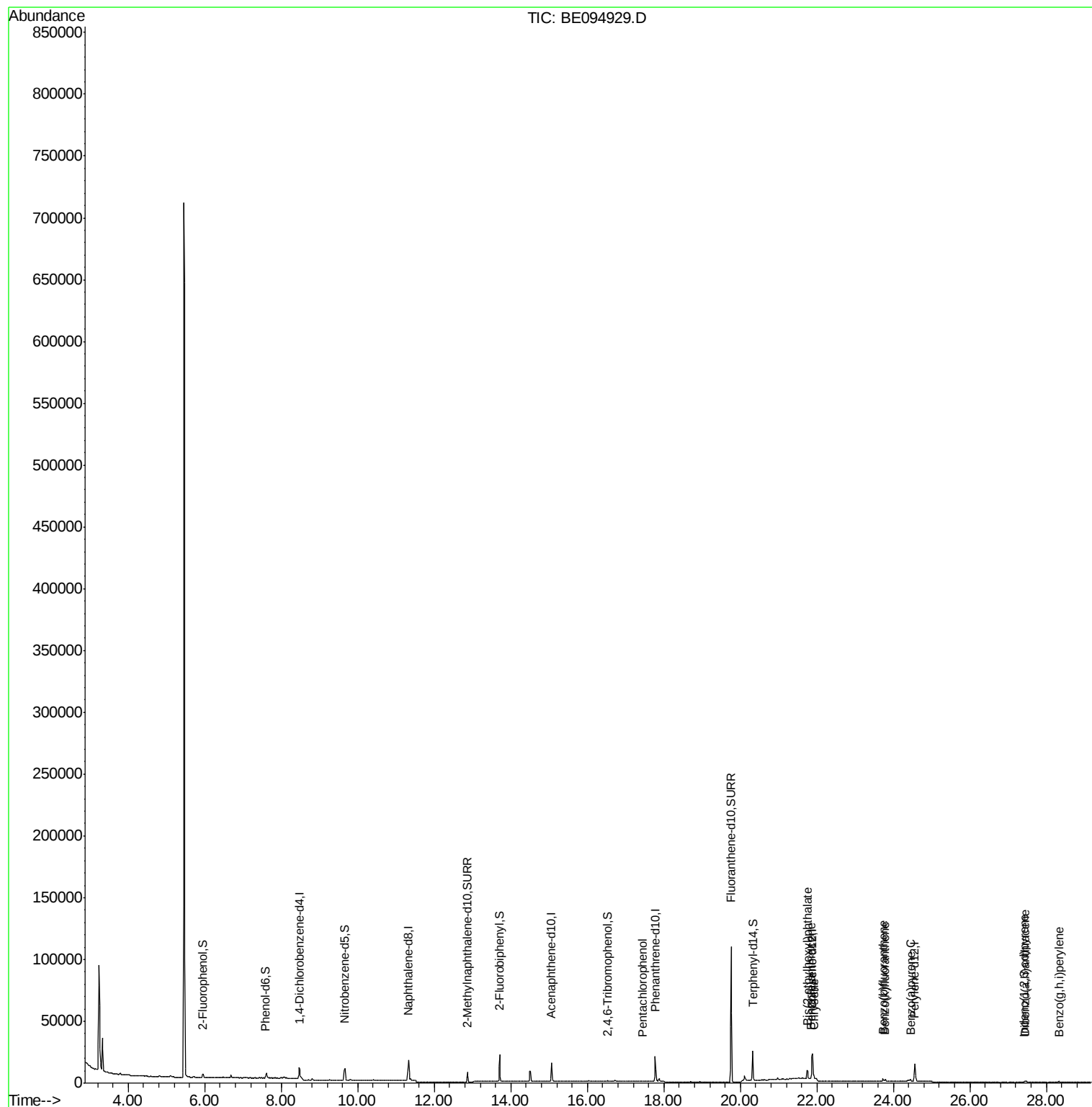
Target Compounds				Qvalue		
22) Pentachlorophenol	17.44	266	33	0.140	ng	93
30) Benzo(a)anthracene	21.85	228	2526	0.030	ng	# 67
31) Chrysene	21.92	228	3213	0.034	ng	# 68
32) Bis(2-ethylhexyl)phthalate	21.74	149	12176	0.087	ng	100
33) Indeno(1,2,3-cd)pyrene	27.42	276	2250	0.029	ng	# 73
35) Benzo(b)fluoranthene	23.73	252	2582	0.032	ng	# 60
36) Benzo(k)fluoranthene	23.78	252	2239	0.027	ng	# 61
37) Benzo(a)pyrene	24.44	252	2050	0.029	ng	# 59
38) Dibenzo(a,h)anthracene	27.46	278	1862	0.028	ng	# 60
39) Benzo(a,h,i)perylene	28.32	276	2304	0.035	ng	# 64

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

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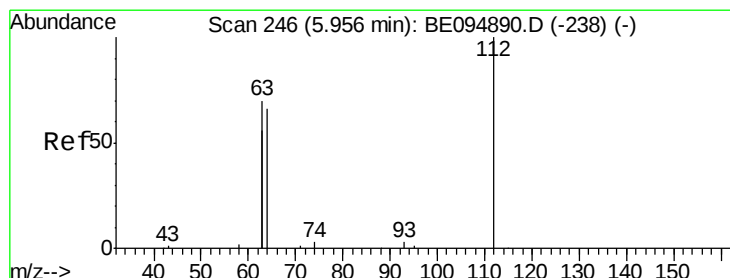
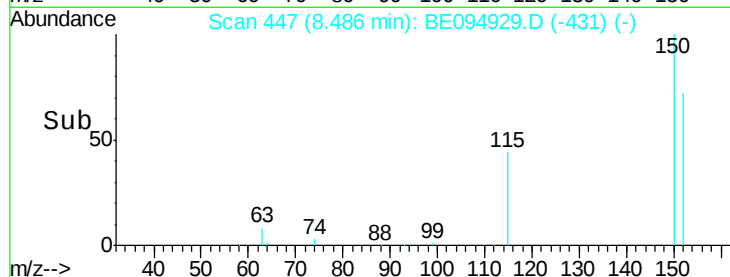
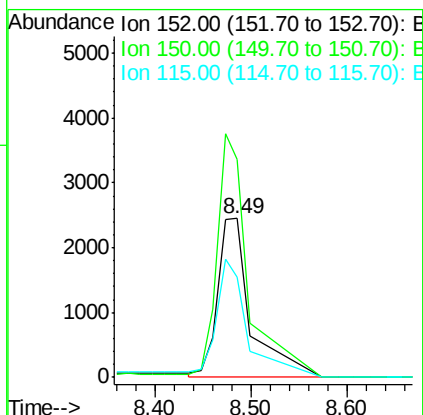
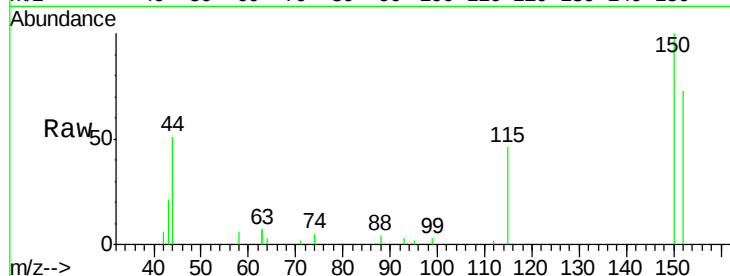


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.49 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094929.D
Acq: 5 Dec 2017 23:47

Instrument :
BNA_E
ClientSampleId :
FT-DUP02-20171130

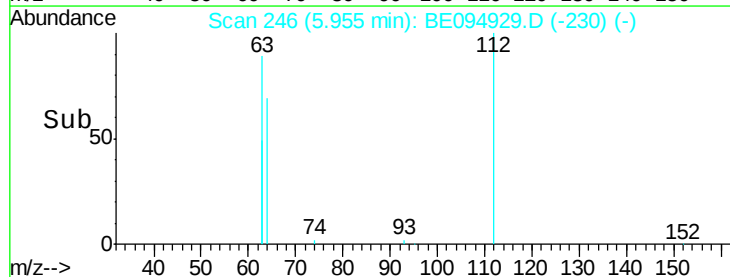
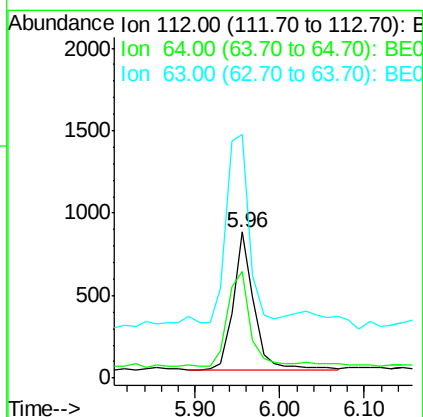
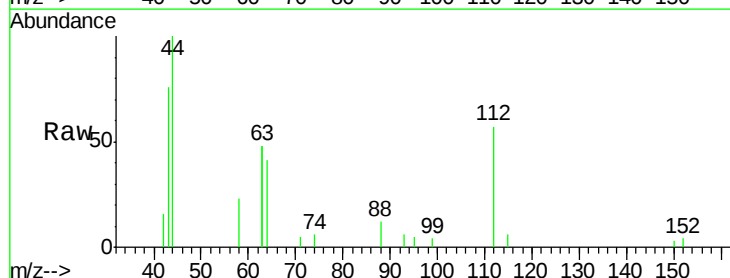
Tot Ion:152 Resp: 8274
Ion Ratio Lower Upper
152 100
150 137.4 117.2 175.8
115 62.9 57.0 85.6

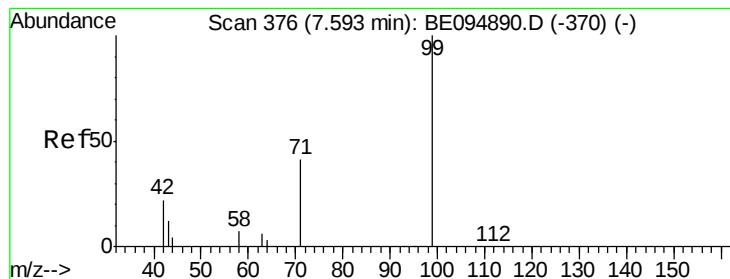


#4

2-Fluorophenol
Concen: 0.108 ng
RT: 5.96 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094929.D
Acq: 5 Dec 2017 23:47

Tgt Ion:112 Resp: 1412
Ion Ratio Lower Upper
112 100
64 75.1 60.1 90.1
63 178.1 116.8 175.2#





#5

Phenol-d6

Concen: 0.072 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Instrument :

BNA_E

ClientSampleId :

FT-DUP02-20171130

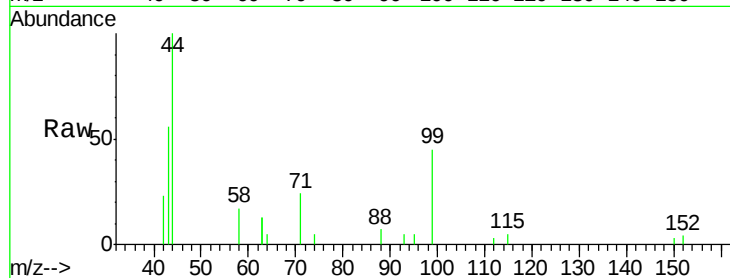
Tot Ion: 99 Resp: 1402

Ion Ratio Lower Upper

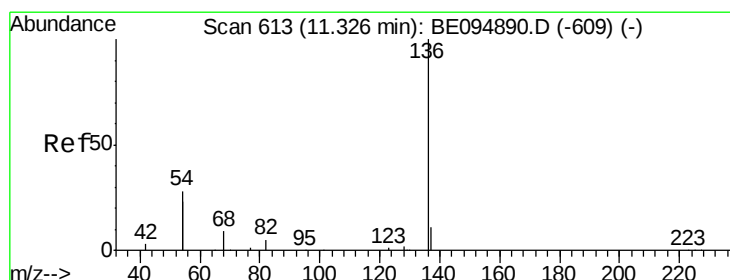
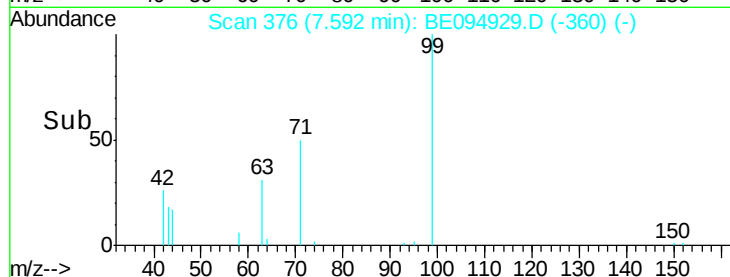
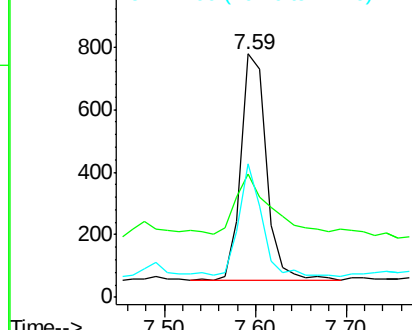
99 100

42 36.7 20.2 30.2#

71 44.2 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Tgt Ion: 136 Resp: 17947

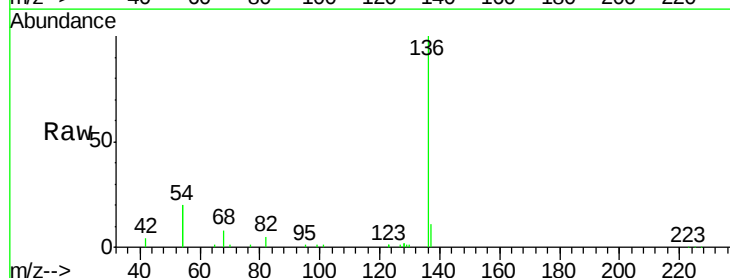
Ion Ratio Lower Upper

136 100

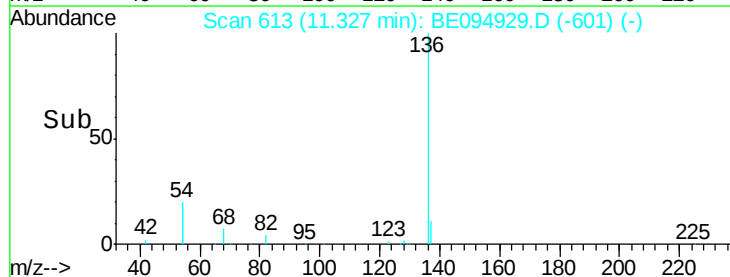
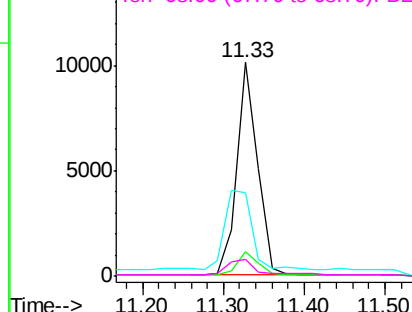
137 11.3 9.5 14.3

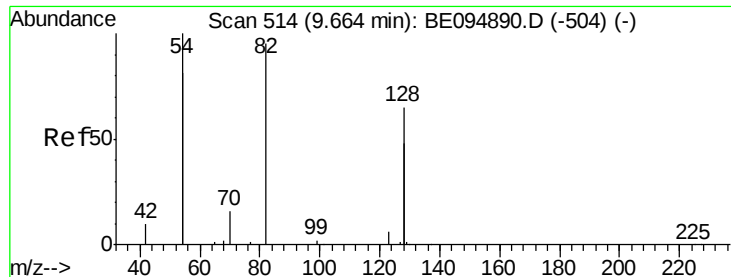
54 39.1 29.1 43.7

68 7.9 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: 0.420 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Instrument :

BNA_E

ClientSampleId :

FT-DUP02-20171130

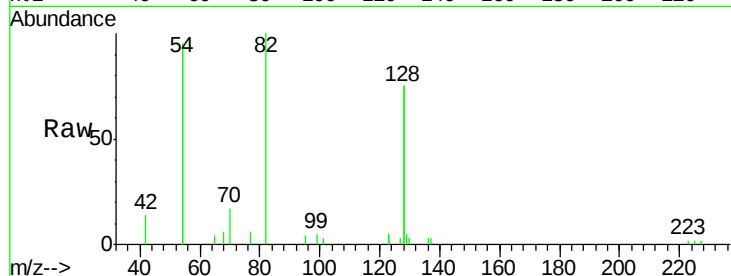
Tot Ion: 82 Resp: 4464

Ion Ratio Lower Upper

82 100

128 149.2 150.0 225.0#

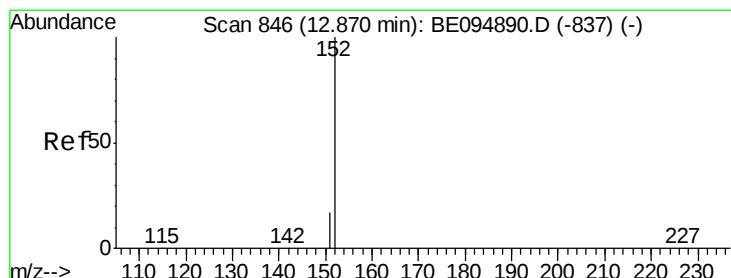
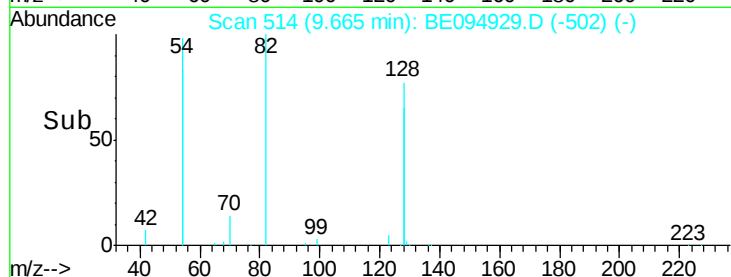
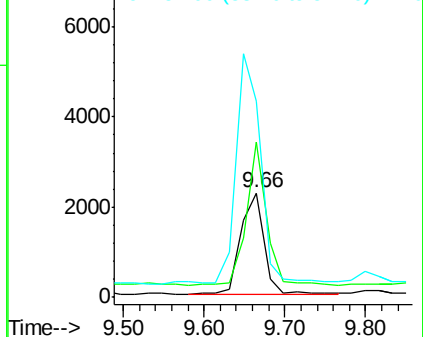
54 189.2 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.403 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094929.D

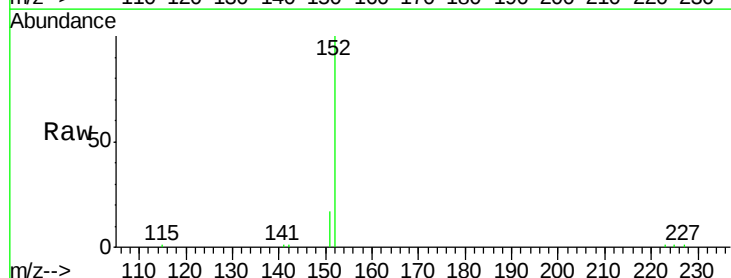
Acq: 5 Dec 2017 23:47

Tgt Ion: 152 Resp: 11542

Ion Ratio Lower Upper

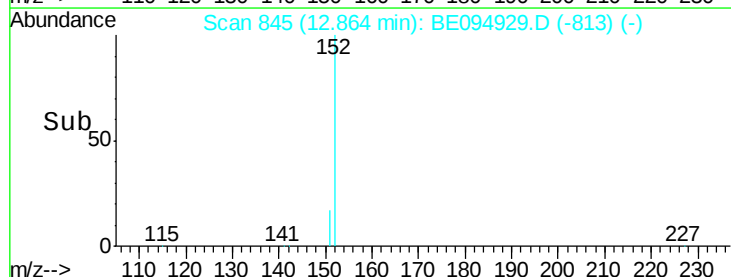
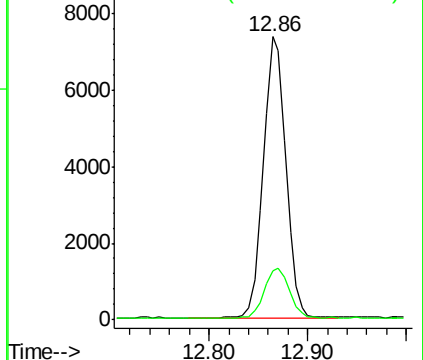
152 100

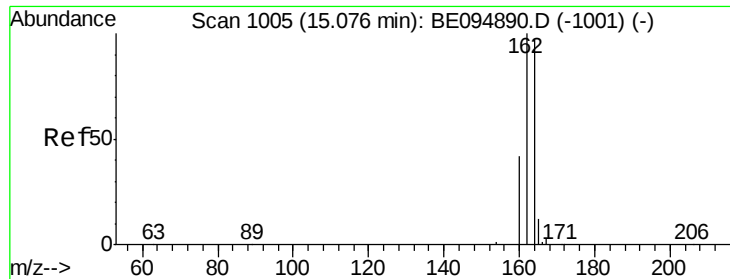
151 19.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Instrument :

BNA_E

ClientSampleId :

FT-DUP02-20171130

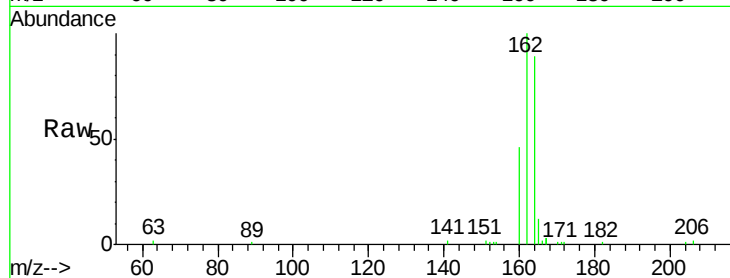
Tot Ion:164 Resp: 10260

Ion Ratio Lower Upper

164 100

162 112.0 83.1 124.7

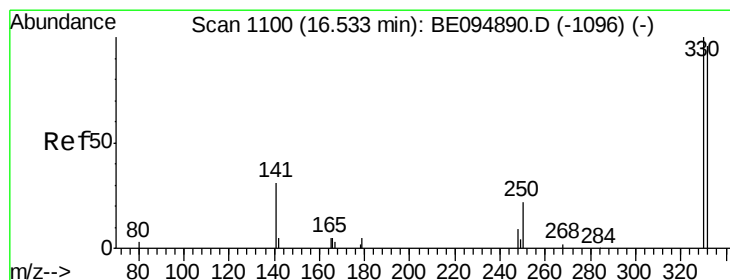
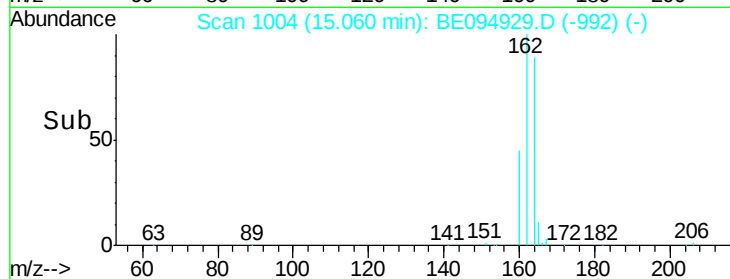
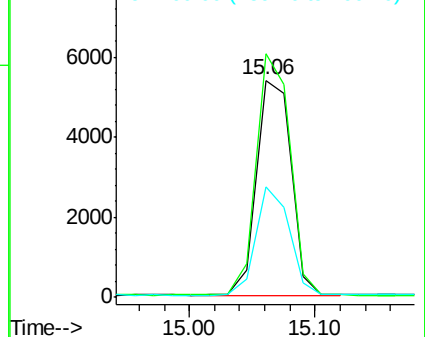
160 51.0 37.1 55.7



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: 0.269 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

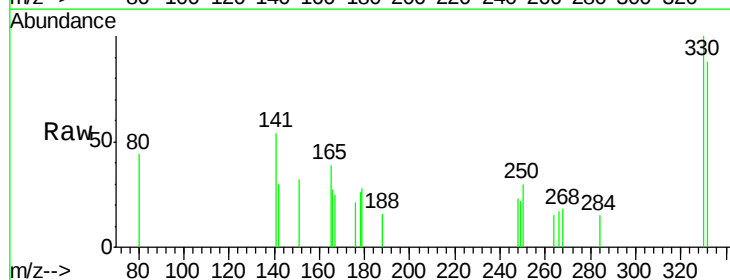
Tgt Ion:330 Resp: 446

Ion Ratio Lower Upper

330 100

332 90.4 152.7 229.1#

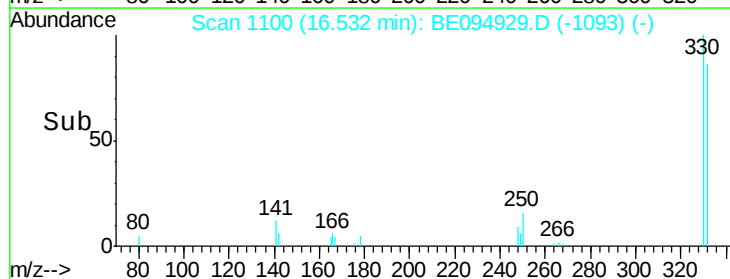
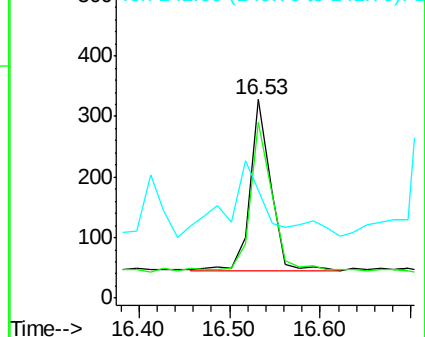
141 75.3 33.7 50.5#

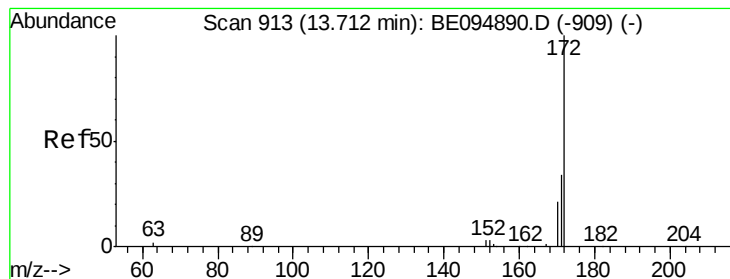


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

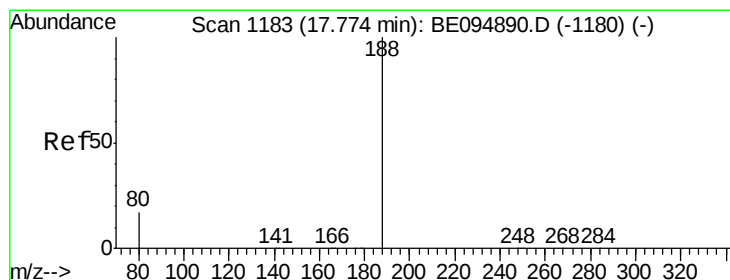
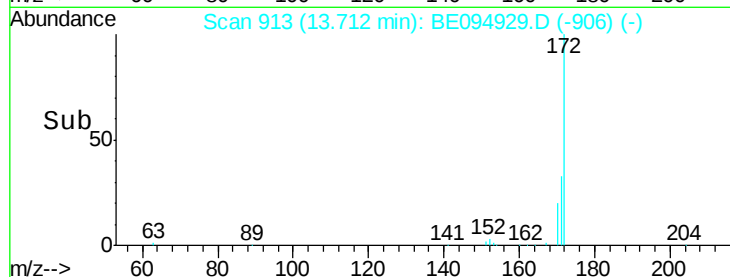
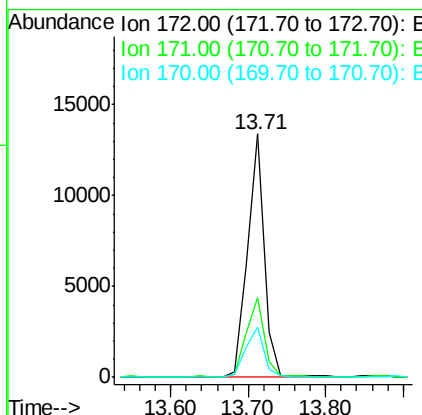
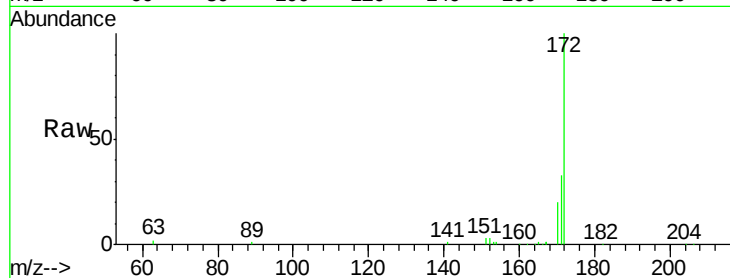




#15
2-Fluorobiphenyl
Concen: 0.450 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094929.D
Acq: 5 Dec 2017 23:47

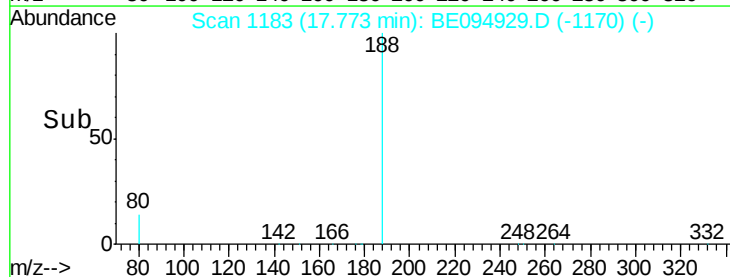
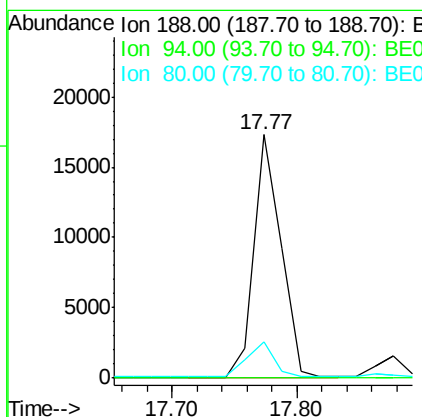
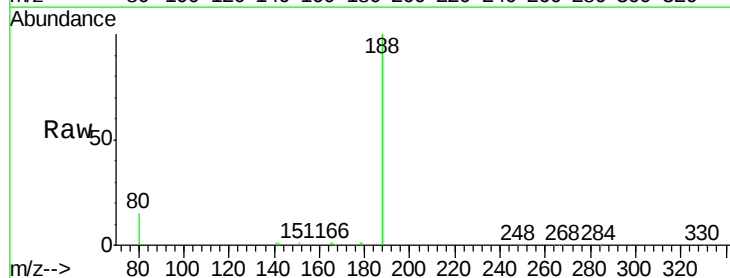
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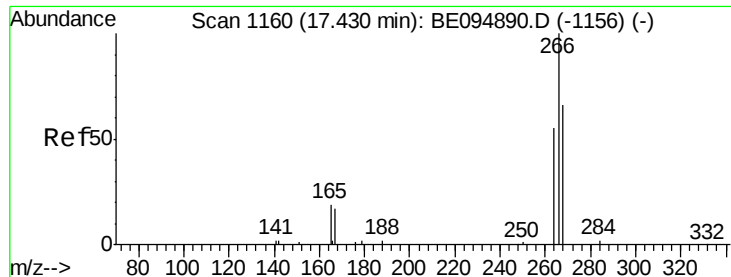
Tot Ion:172 Resp: 19778
Ion Ratio Lower Upper
172 100
171 32.9 29.9 44.9
170 20.5 21.8 32.8#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE094929.D
Acq: 5 Dec 2017 23:47

Tgt Ion:188 Resp: 26029
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.1 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.140 ng

RT: 17.44 min Scan# 1161

Delta R.T. 0.02 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Instrument :

BNA_E

ClientSampleId :

FT-DUP02-20171130

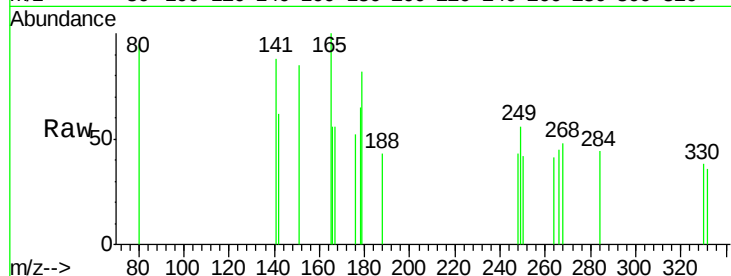
Tot Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

264 89.8 72.5 108.7

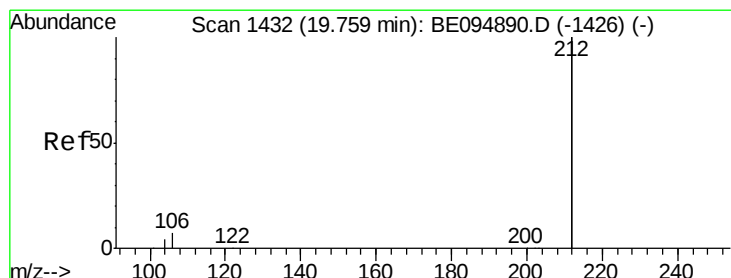
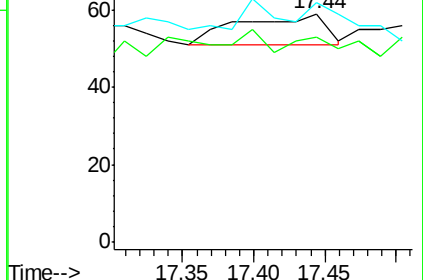
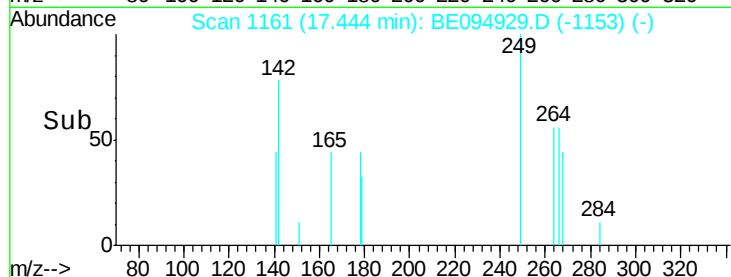
268 105.1 73.8 110.6



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



#25

Fluoranthene-d10

Concen: 0.404 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

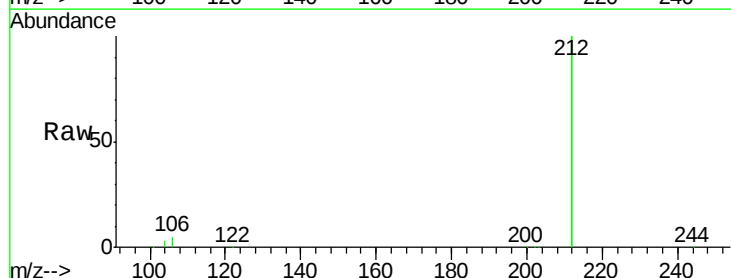
Tgt Ion:212 Resp: 143687

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

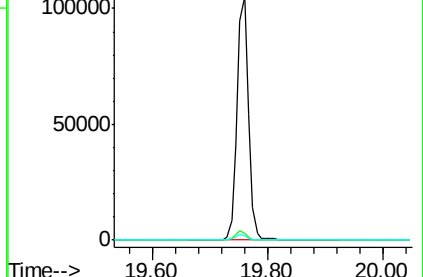
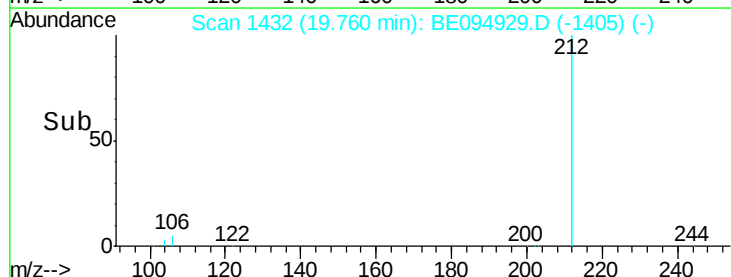
104 2.0 1.6 2.4

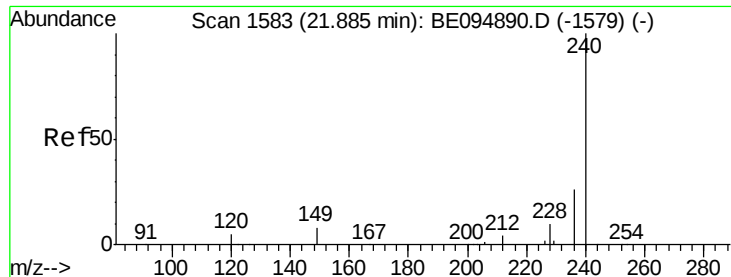


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.88 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

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ClientSampleId :

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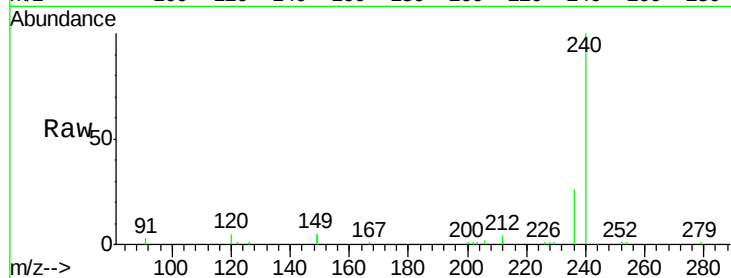
Tot Ion:240 Resp: 27532

Ion Ratio Lower Upper

240 100

120 4.8 5.5 8.3#

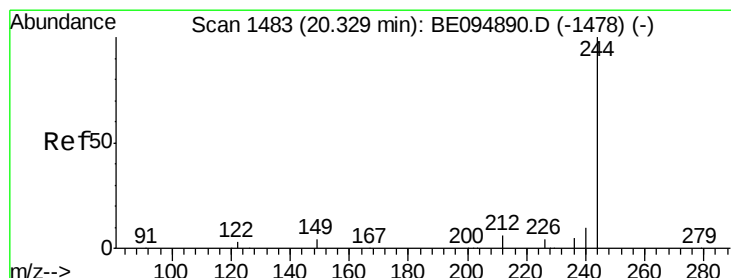
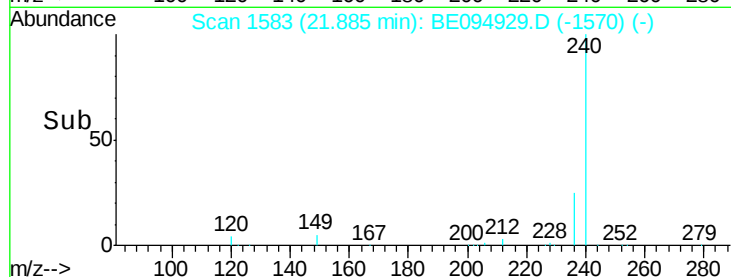
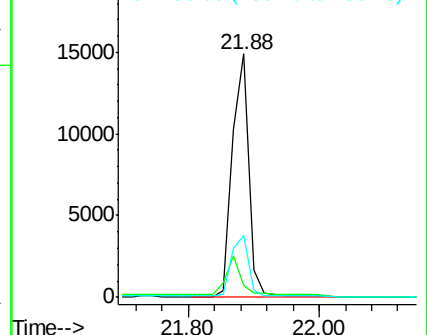
236 25.6 20.7 31.1



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



#29

Terphenyl-d14

Concen: 0.600 ng

RT: 20.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

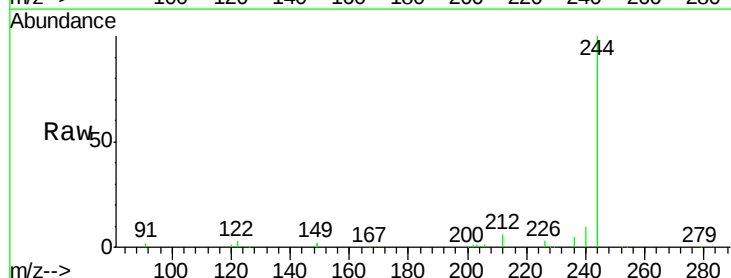
Tgt Ion:244 Resp: 30517

Ion Ratio Lower Upper

244 100

212 5.8 25.4 38.0#

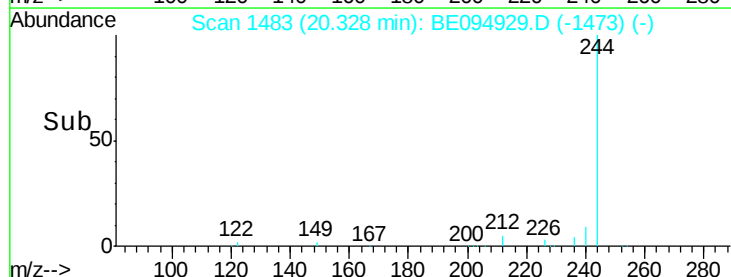
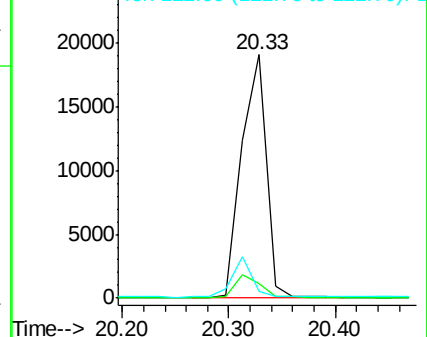
122 2.6 8.1 12.1#

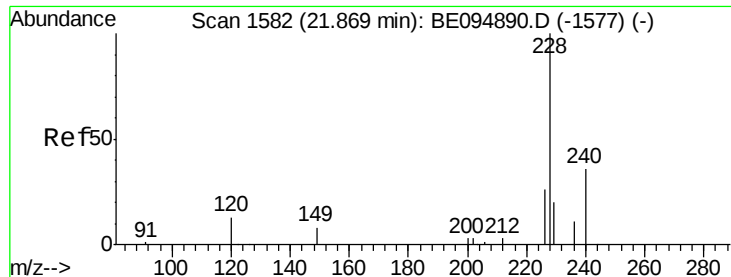


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.030 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Instrument :

BNA_E

ClientSampleId :

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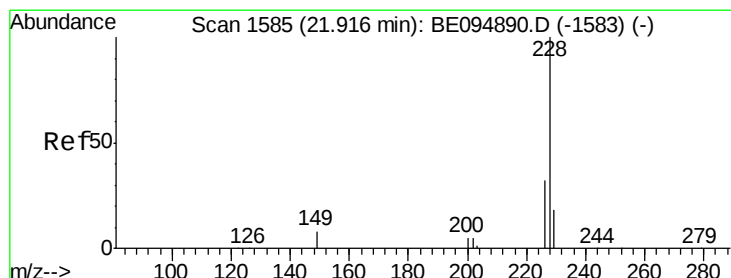
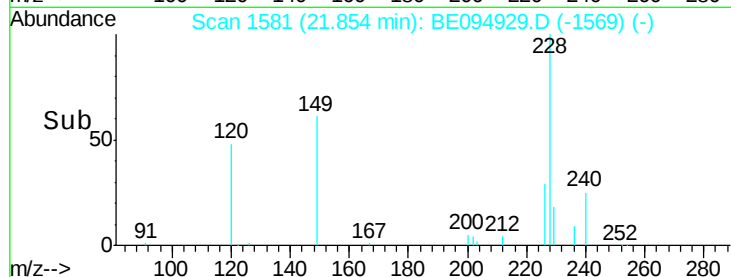
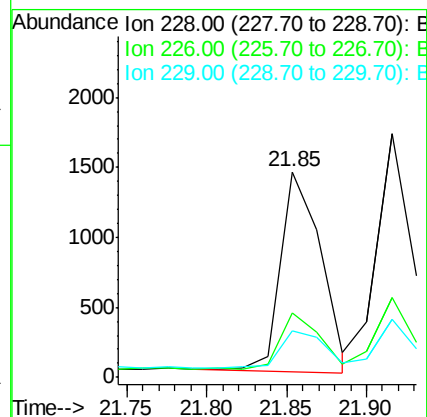
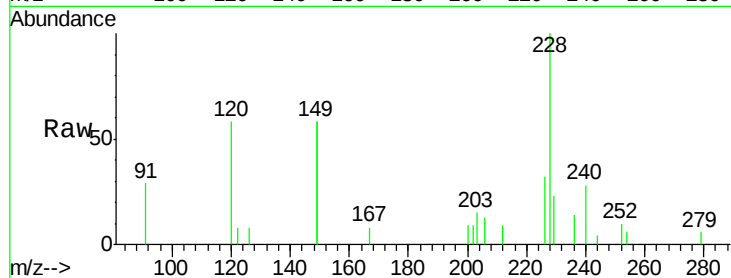
Tot Ion:228 Resp: 2526

Ion Ratio Lower Upper

228 100

226 31.6 40.0 60.0#

229 22.5 40.0 60.0#



#31

Chrysene

Concen: 0.034 ng

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

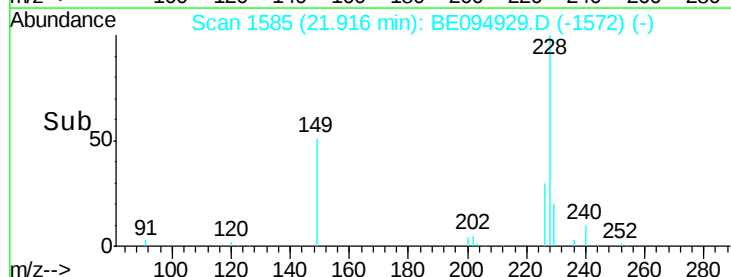
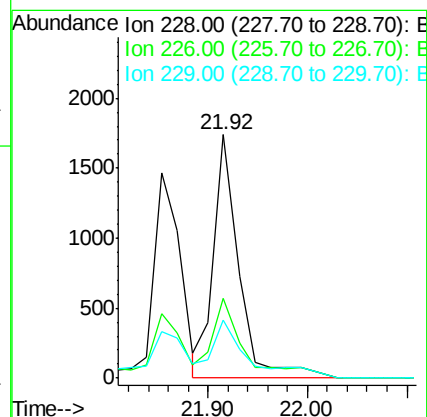
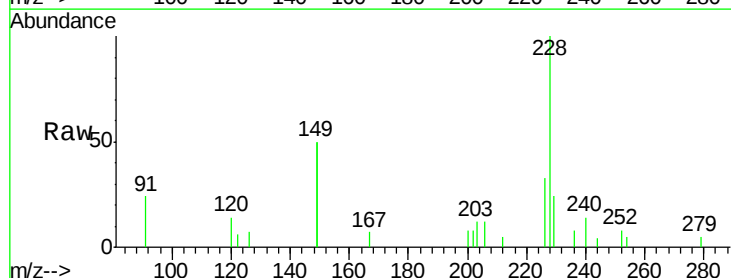
Tgt Ion:228 Resp: 3213

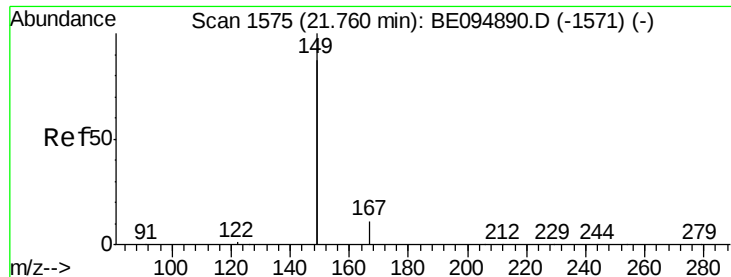
Ion Ratio Lower Upper

228 100

226 32.8 40.0 60.0#

229 23.7 40.0 60.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.087 ng

RT: 21.74 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Instrument :

BNA_E

ClientSampleId :

FT-DUP02-20171130

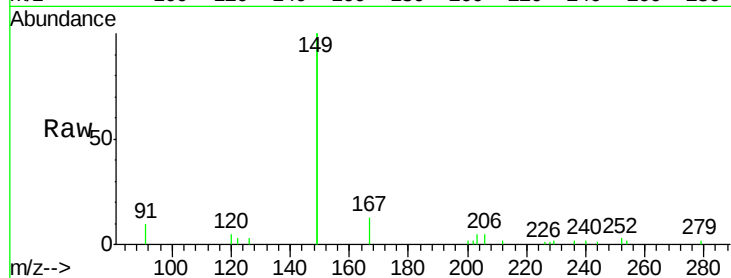
Tot Ion:149 Resp: 12176

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

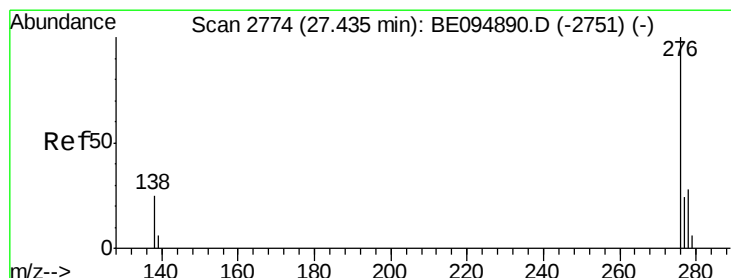
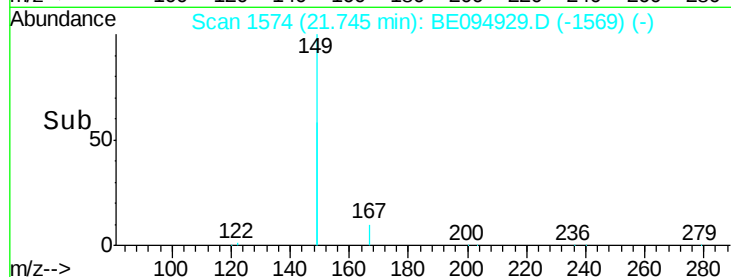
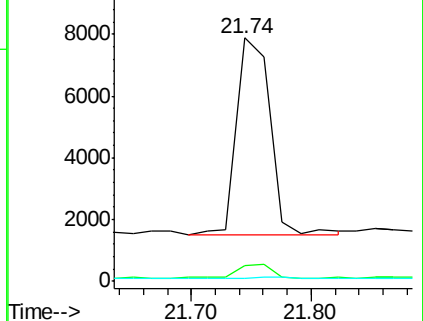
279 0.9 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.029 ng

RT: 27.42 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

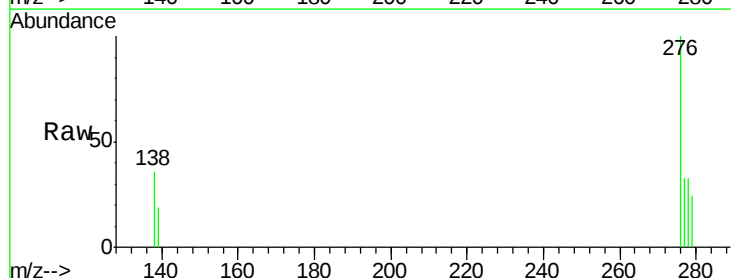
Tgt Ion:276 Resp: 2250

Ion Ratio Lower Upper

276 100

138 12.0 22.5 33.7#

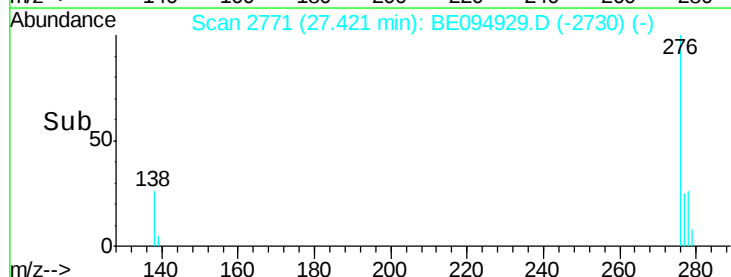
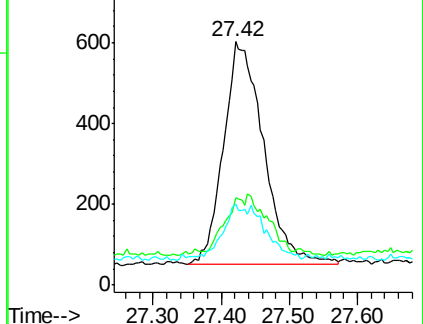
277 13.2 19.9 29.9#

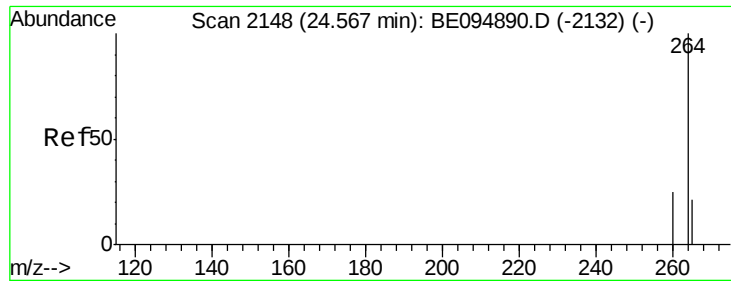


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

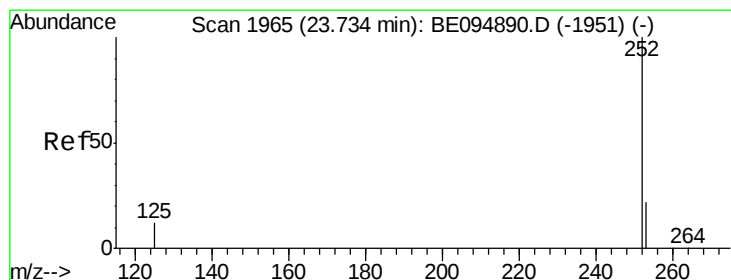
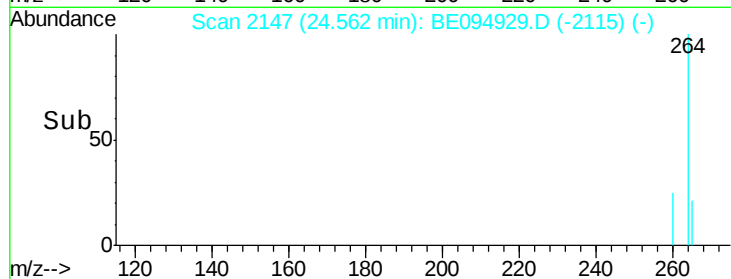
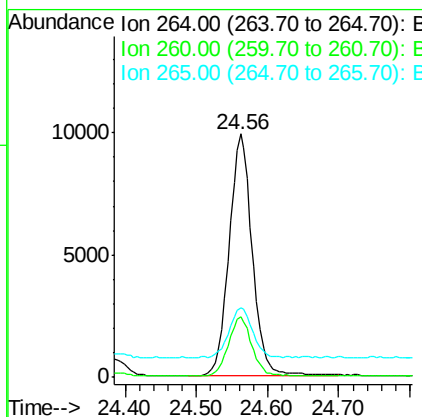
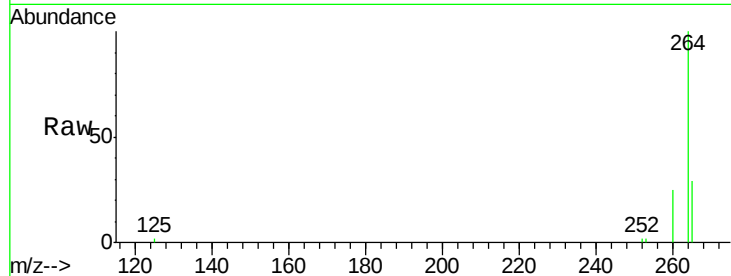




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.56 min Scan# 2147
Delta R.T. -0.01 min
Lab File: BE094929.D
Acq: 5 Dec 2017 23:47

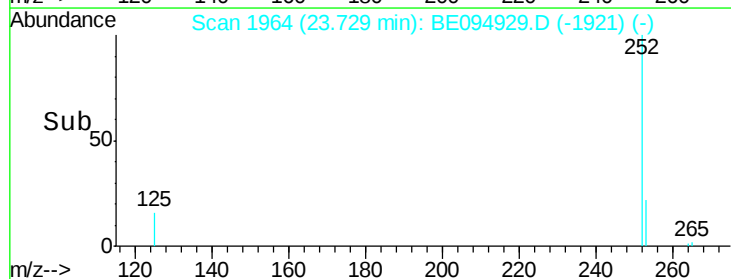
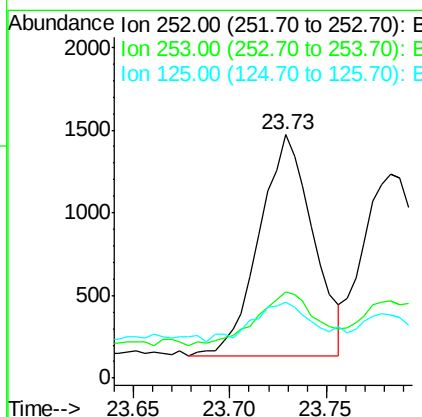
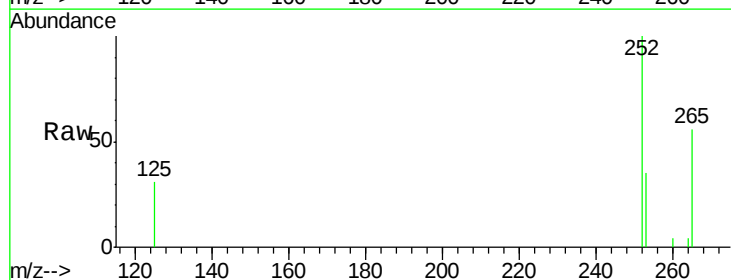
Instrument :
BNA_E
ClientSampleId :
FT-DUP02-20171130

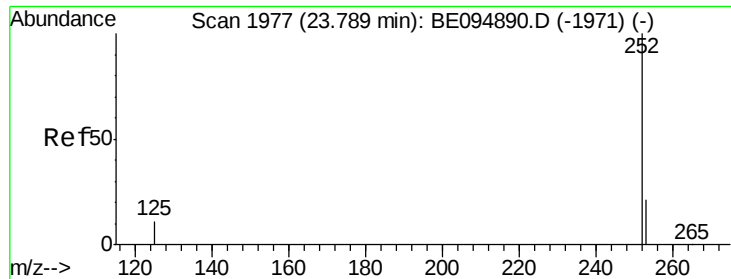
Tot Ion:264 Resp: 22417
Ion Ratio Lower Upper
264 100
260 25.0 20.5 30.7
265 28.8 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.032 ng
RT: 23.73 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BE094929.D
Acq: 5 Dec 2017 23:47

Tgt Ion:252 Resp: 2582
Ion Ratio Lower Upper
252 100
253 35.2 48.0 72.0#
125 31.4 56.0 84.0#





#36

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 23.78 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Instrument :

BNA_E

ClientSampleId :

FT-DUP02-20171130

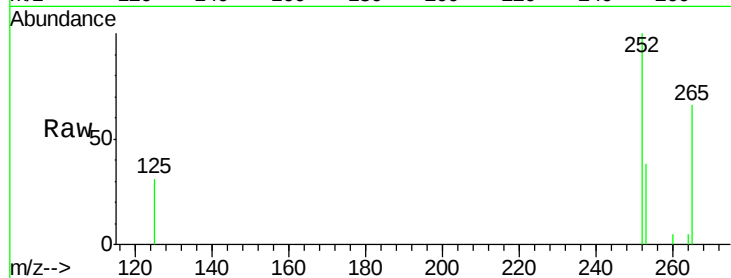
Tot Ion:252 Resp: 2239

Ion Ratio Lower Upper

252 100

253 38.1 48.0 72.0#

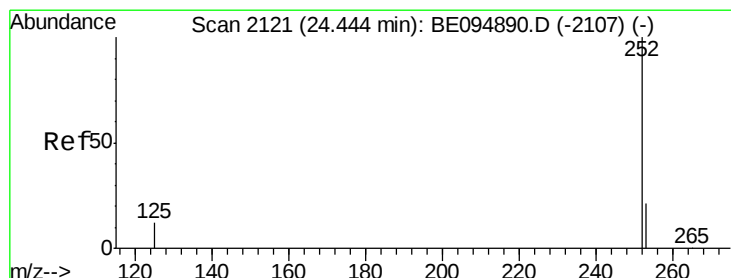
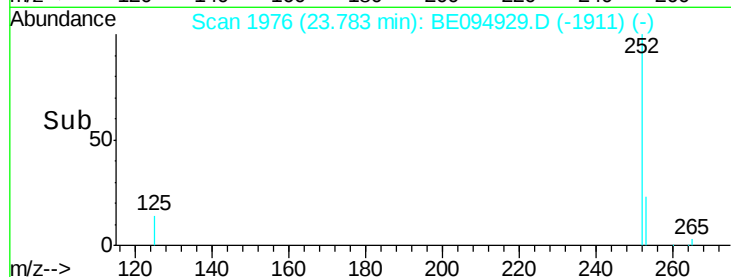
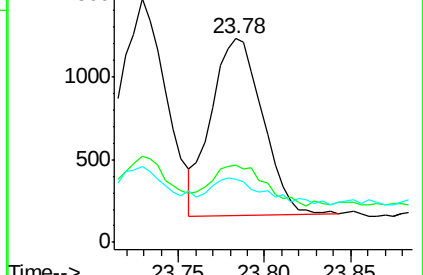
125 31.1 56.0 84.0#



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: 0.029 ng

RT: 24.44 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

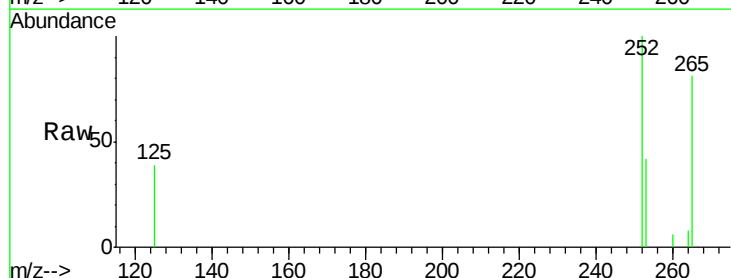
Tgt Ion:252 Resp: 2050

Ion Ratio Lower Upper

252 100

253 42.3 52.0 78.0#

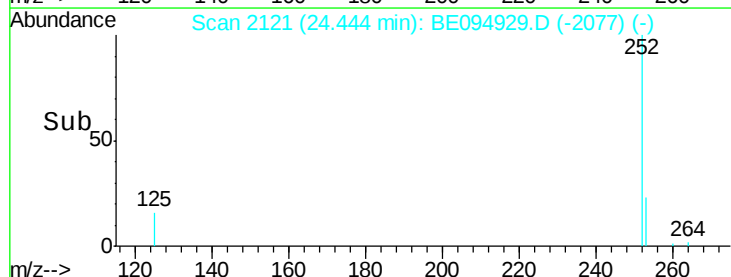
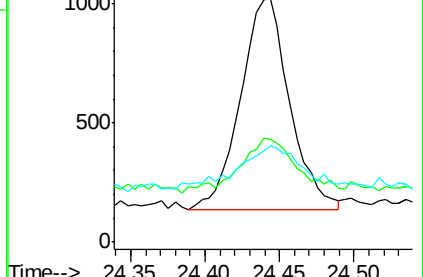
125 39.4 68.0 102.0#

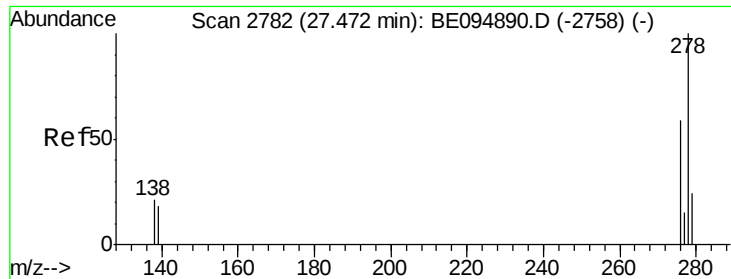


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.028 ng

RT: 27.46 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

Instrument :

BNA_E

ClientSampleId :

FT-DUP02-20171130

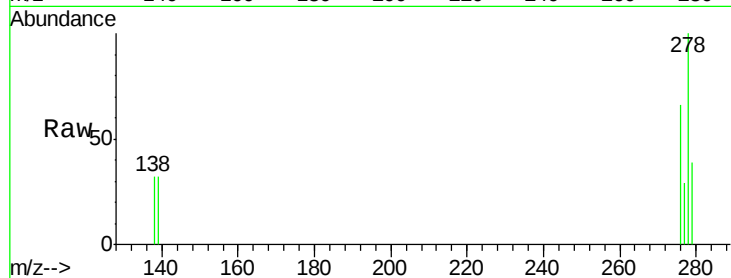
Tot Ion:278 Resp: 1862

Ion Ratio Lower Upper

278 100

139 32.0 56.0 84.0#

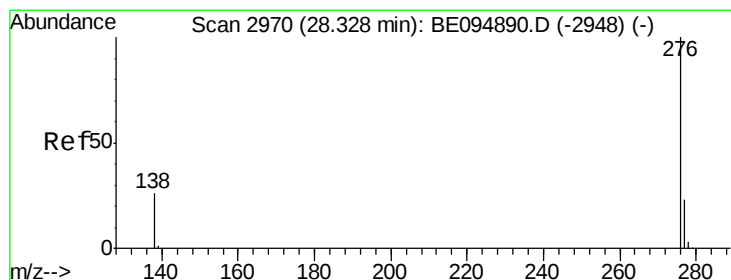
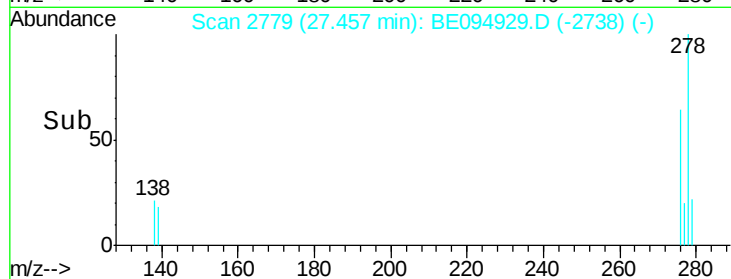
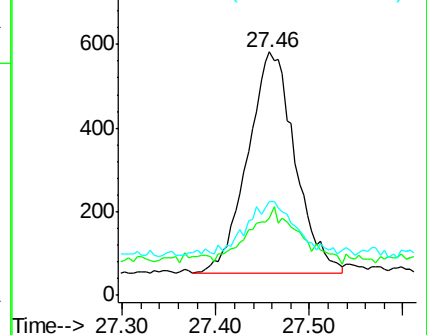
279 38.7 52.0 78.0#



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: 0.035 ng

RT: 28.32 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BE094929.D

Acq: 5 Dec 2017 23:47

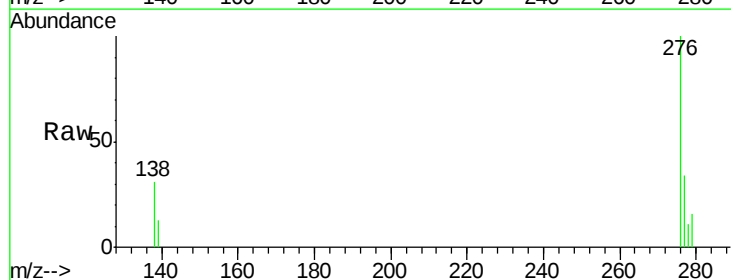
Tgt Ion:276 Resp: 2304

Ion Ratio Lower Upper

276 100

277 34.4 52.0 78.0#

138 31.3 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

