

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE121117\
 Data File : BE094972.D
 Acq On : 11 Dec 2017 13:18
 Operator : SJ/JU
 Sample : I6740-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-456S-20171204

Quant Time: Dec 11 15:38:34 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	8.48	152	7649	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17599	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	9819	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	24141	0.40	ng	0.01
27) Chrysene-d12	21.89	240	25117	0.40	ng	0.00
34) Perylene-d12	24.57	264	20175	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2046	0.17	ng	0.00
5) Phenol-d6	7.60	99	2164	0.12	ng	0.01
8) Nitrobenzene-d5	9.67	82	6021	0.58	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	10887	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.55	330	808	0.41	ng	0.02
15) 2-Fluorobiphenyl	13.71	172	27777	0.66	ng	0.00
25) Fluoranthene-d10	19.76	212	123892	0.38	ng	0.00
29) Terphenyl-d14	20.33	244	29180	0.63	ng	0.00

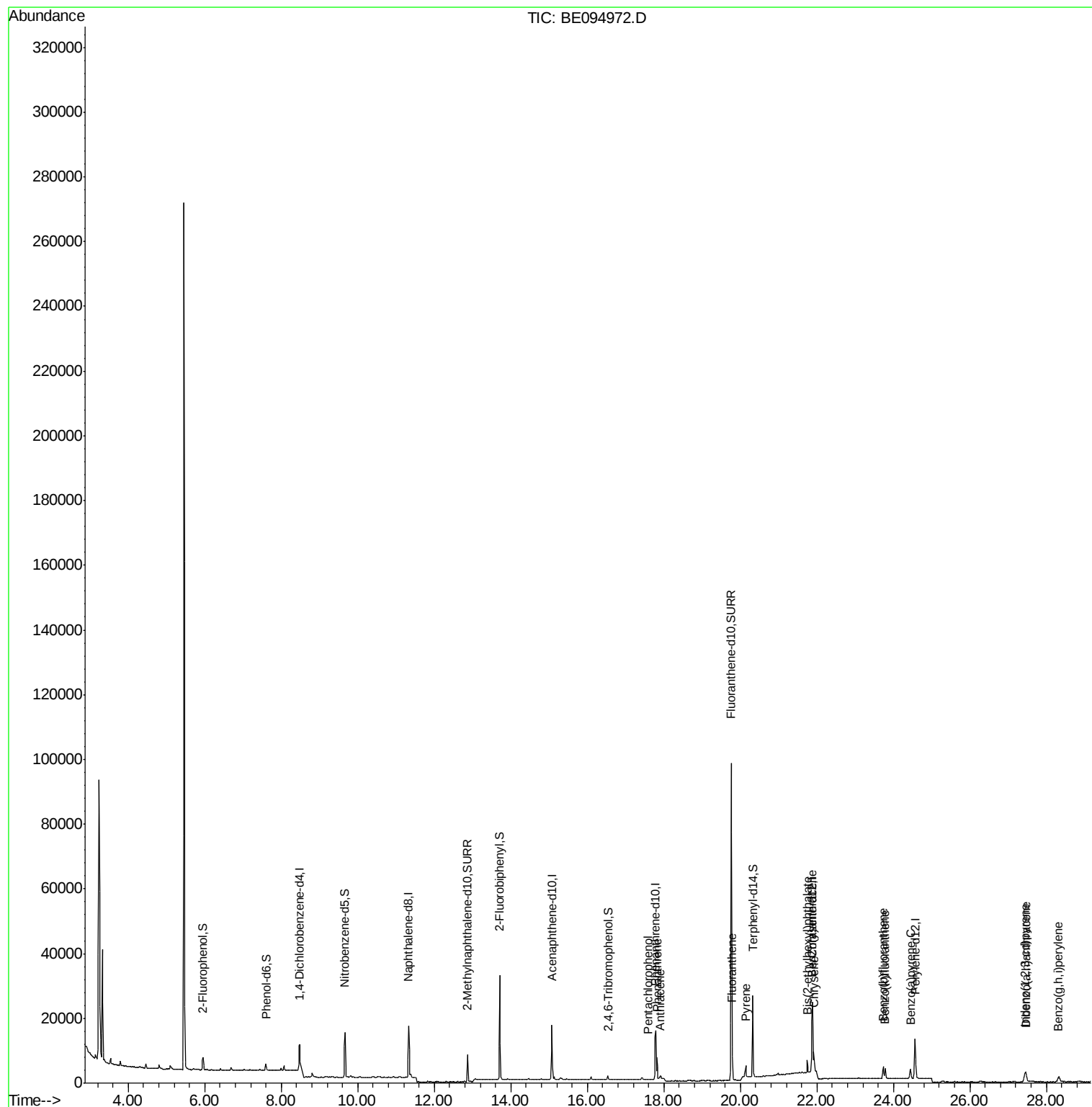
Target Compounds				Qvalue		
22) Pentachlorophenol	17.59	266	13	0.136	ng	93
23) Phenanthrene	17.82	178	7374	0.096	ng	96
24) Anthracene	17.91	178	2163	0.027	ng	# 71
26) Fluoranthene	19.79	202	5699	0.058	ng	99
28) Pyrene	20.14	202	4771	0.055	ng	95
30) Benzo(a)anthracene	21.87	228	5332	0.069	ng	# 64
31) Chrysene	21.92	228	6724	0.079	ng	# 66
32) Bis(2-ethylhexyl)phthalate	21.75	149	5251	0.041	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.44	276	4913	0.071	ng	99
35) Benzo(b)fluoranthene	23.73	252	5504	0.075	ng	# 49
36) Benzo(k)fluoranthene	23.79	252	4862	0.065	ng	# 48
37) Benzo(a)pyrene	24.44	252	4287	0.066	ng	# 51
38) Dibenzo(a,h)anthracene	27.47	278	3944	0.066	ng	# 52
39) Benzo(g,h,i)perylene	28.32	276	4294	0.072	ng	# 59

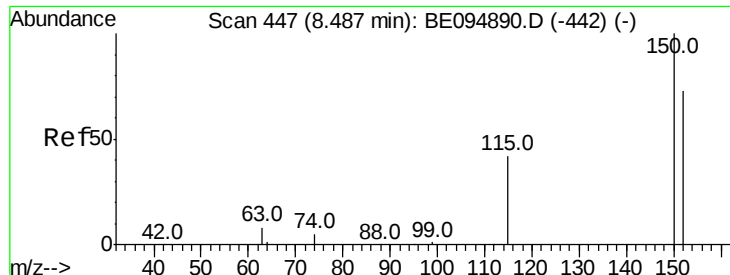
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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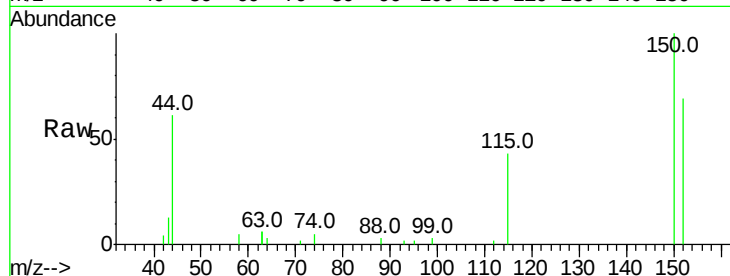


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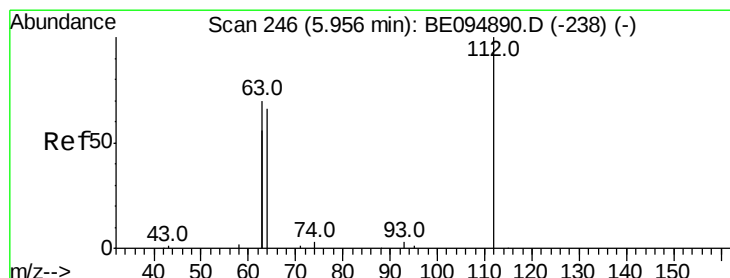
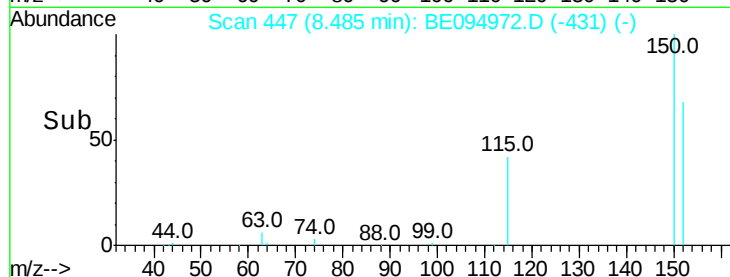
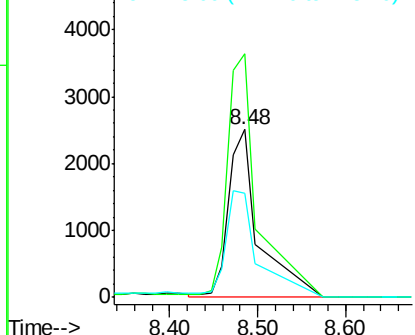
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094972.D
Acq: 11 Dec 2017 13:18

Instrument :
BNA_E
ClientSampleId :
FT-PZ-456S-20171204

Tot Ion:152 Resp: 7649
Ion Ratio Lower Upper
152 100
150 145.1 117.2 175.8
115 62.1 57.0 85.6



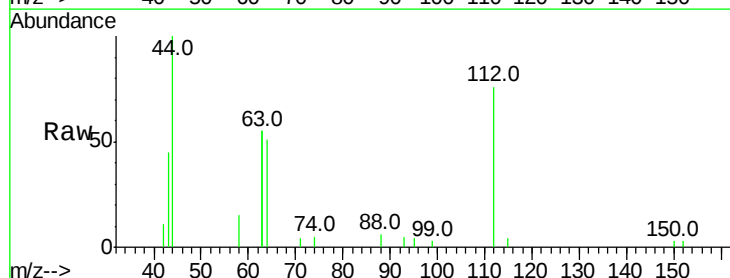
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



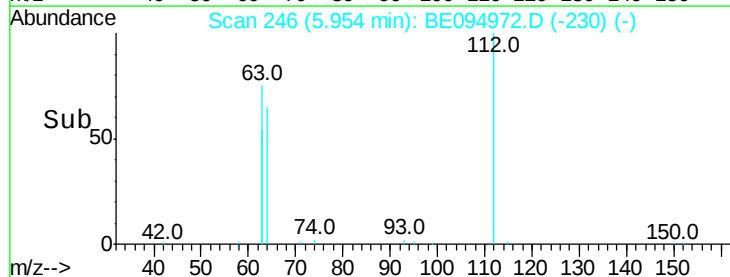
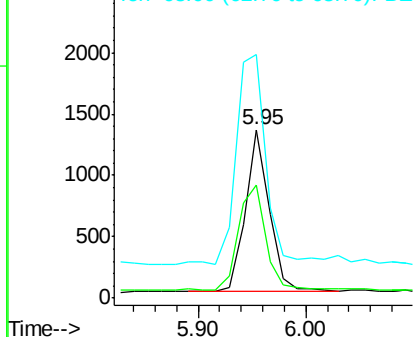
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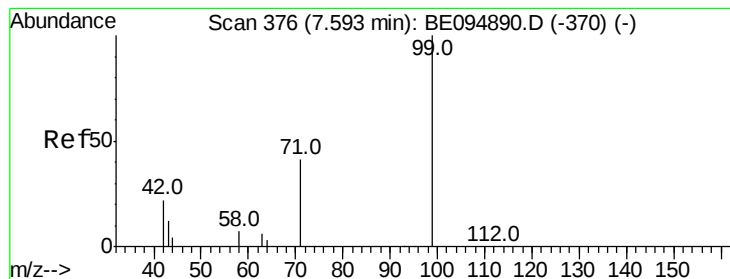
2-Fluorophenol
Concen: 0.169 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094972.D
Acq: 11 Dec 2017 13:18

Tgt Ion:112 Resp: 2046
Ion Ratio Lower Upper
112 100
64 78.0 60.1 90.1
63 160.9 116.8 175.2



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: 0.121 ng

RT: 7.60 min Scan# 377

Delta R.T. 0.01 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

Instrument :

BNA_E

ClientSampleId :

FT-PZ-456S-20171204

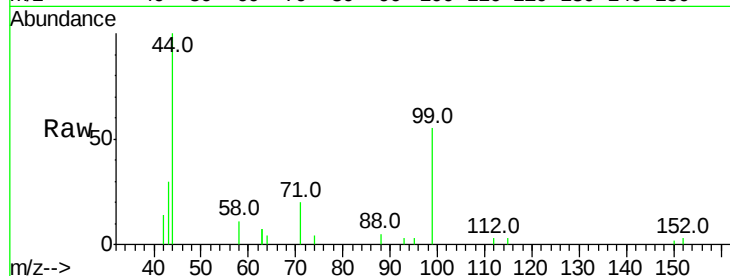
Tot Ion: 99 Resp: 2164

Ion Ratio Lower Upper

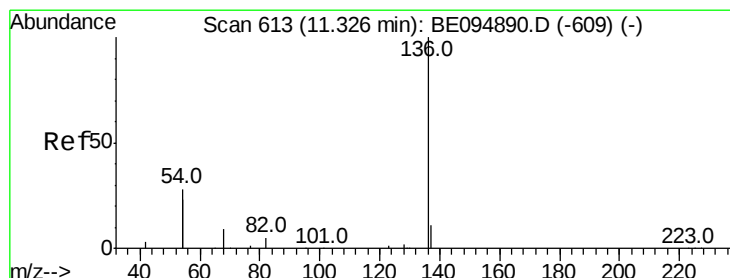
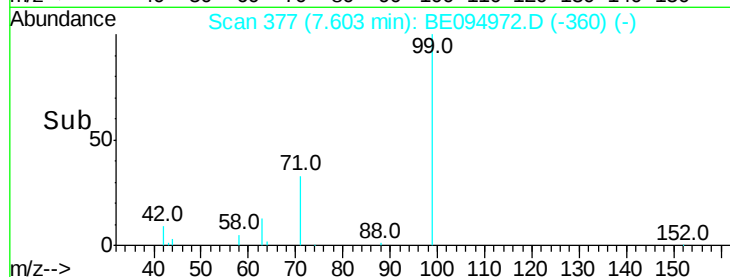
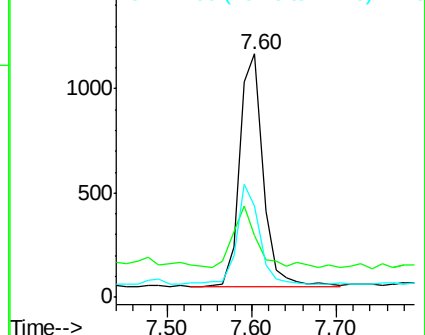
99 100

42 26.2 20.2 30.2

71 41.0 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: BE094972.D

Acq: 11 Dec 2017 13:18

Tgt Ion: 136 Resp: 17599

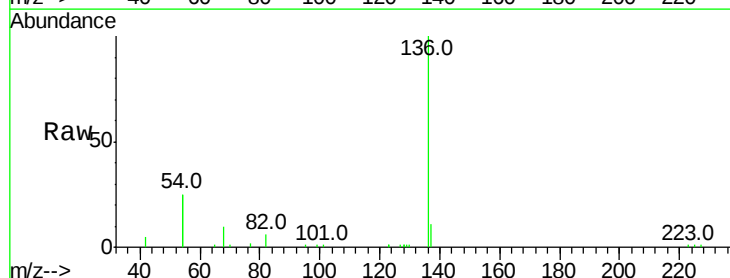
Ion Ratio Lower Upper

136 100

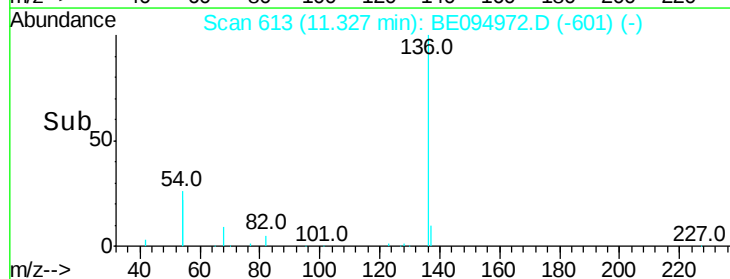
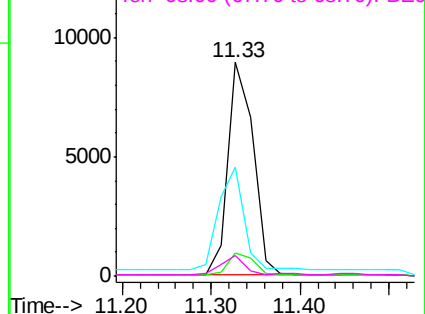
137 10.5 9.5 14.3

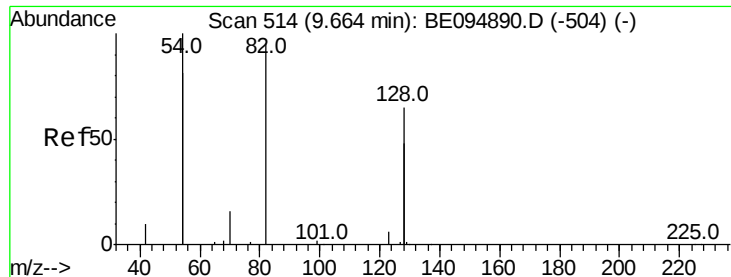
54 50.9 29.1 43.7#

68 9.9 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: 0.578 ng

RT: 9.67 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

Instrument :

BNA_E

ClientSampleId :

FT-PZ-456S-20171204

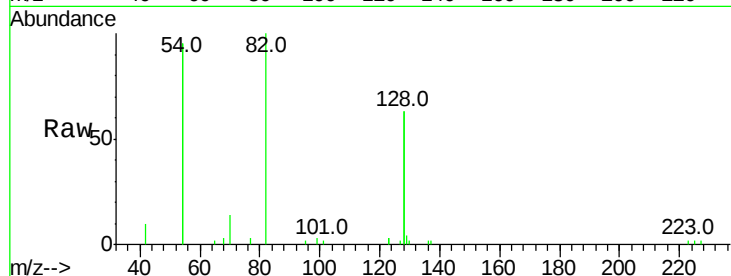
Tot Ion: 82 Resp: 6021

Ion Ratio Lower Upper

82 100

128 126.2 150.0 225.0#

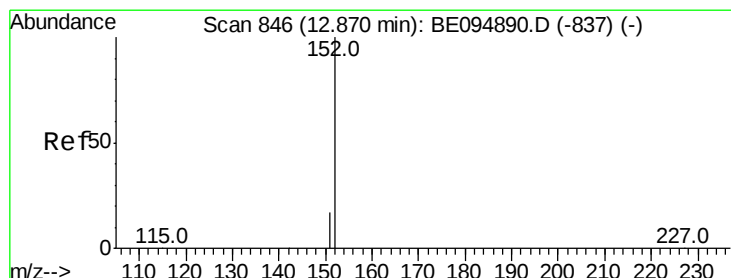
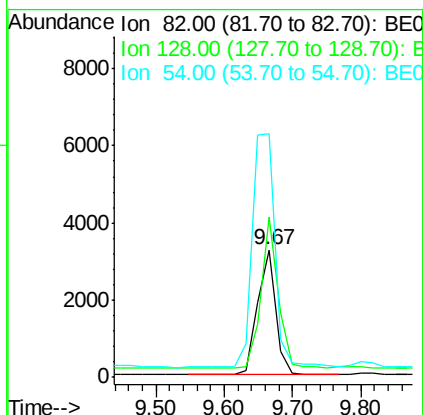
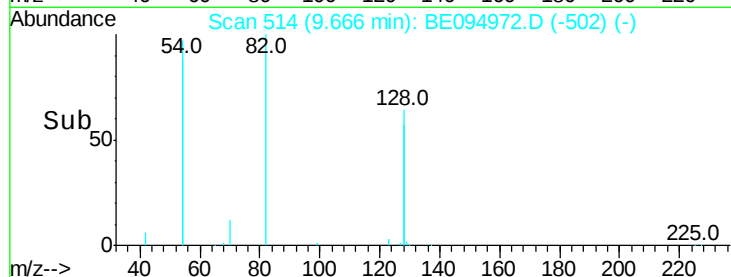
54 190.9 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094972.D (-502) (-)

Ion 128.00 (127.70 to 128.70): BE094972.D (-502) (-)

Ion 54.00 (53.70 to 54.70): BE094972.D (-502) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.87 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE094972.D

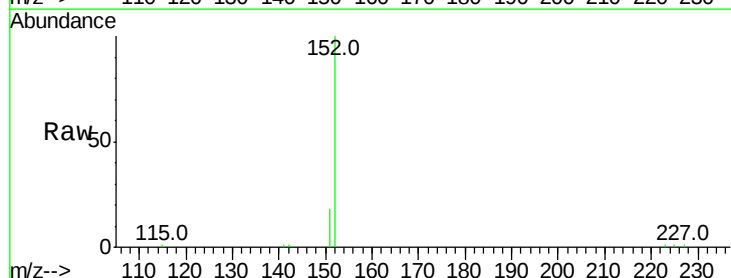
Acq: 11 Dec 2017 13:18

Tgt Ion: 152 Resp: 10887

Ion Ratio Lower Upper

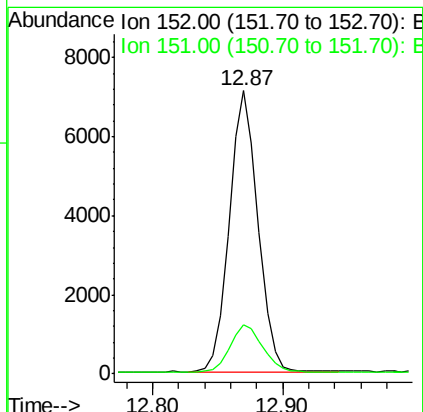
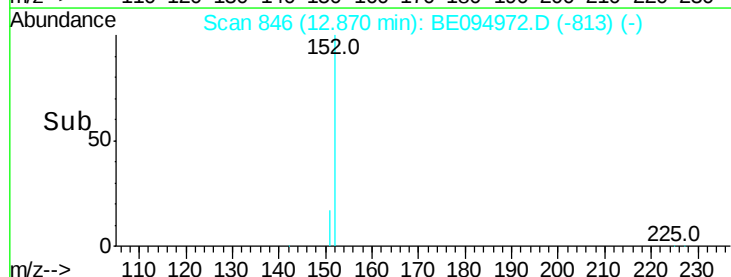
152 100

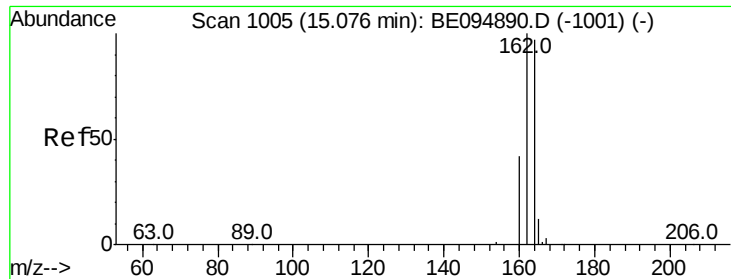
151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE094972.D (-813) (-)

Ion 151.00 (150.70 to 151.70): BE094972.D (-813) (-)

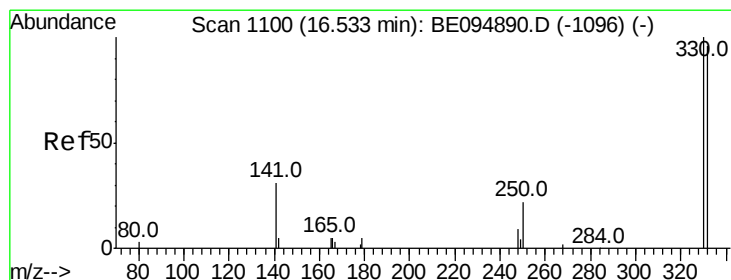
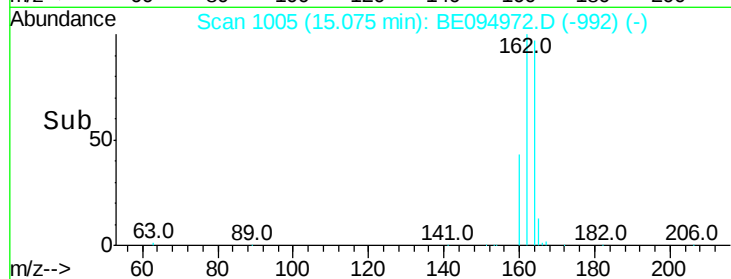
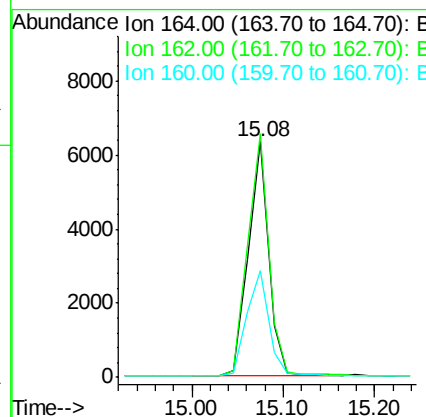
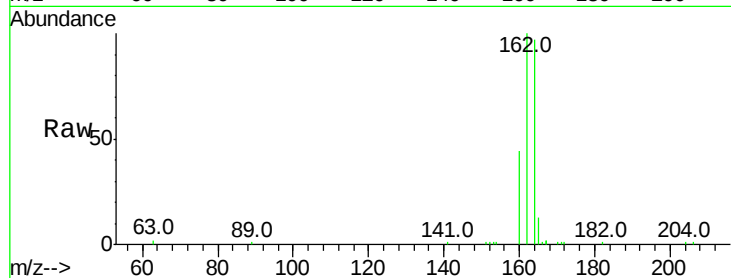




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.08 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BE094972.D
 Acq: 11 Dec 2017 13:18

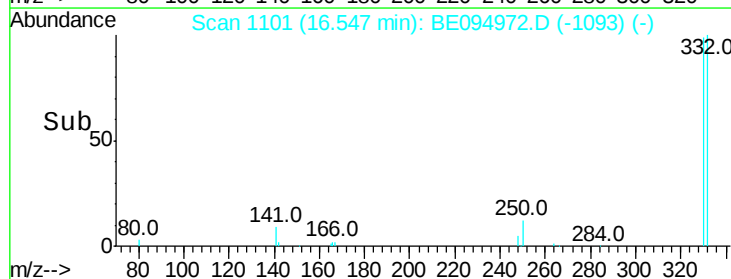
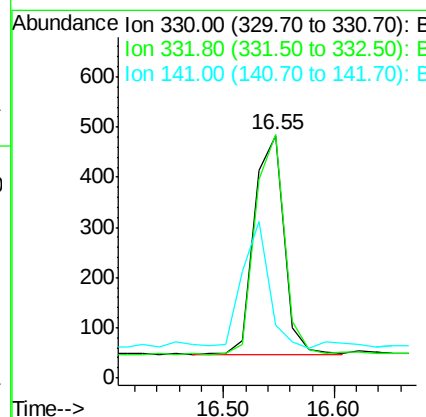
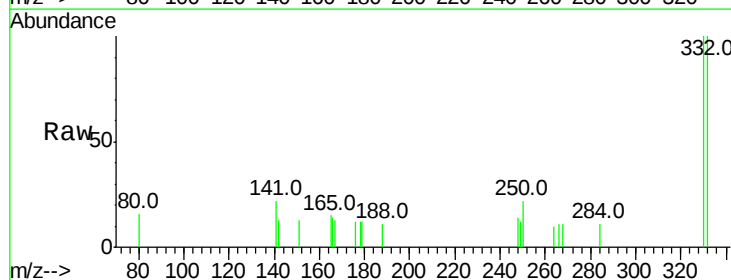
Instrument :
 BNA_E
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 FT-PZ-456S-20171204

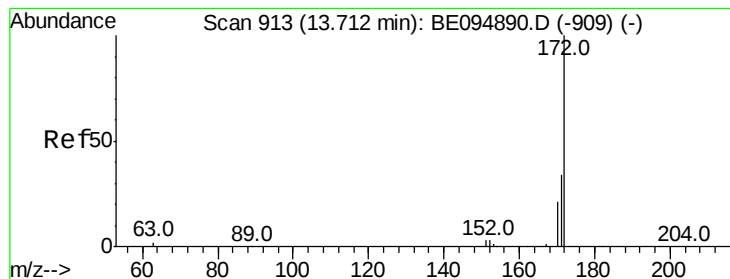
Tot Ion:164 Resp: 9819
 Ion Ratio Lower Upper
 164 100
 162 103.3 83.1 124.7
 160 45.2 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.409 ng
 RT: 16.55 min Scan# 1101
 Delta R.T. 0.02 min
 Lab File: BE094972.D
 Acq: 11 Dec 2017 13:18

Tgt Ion:330 Resp: 808
 Ion Ratio Lower Upper
 330 100
 332 101.6 152.7 229.1#
 141 52.5 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.661 ng

RT: 13.71 min Scan# 913

Delta R.T. -0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

Instrument :

BNA_E

ClientSampleId :

FT-PZ-456S-20171204

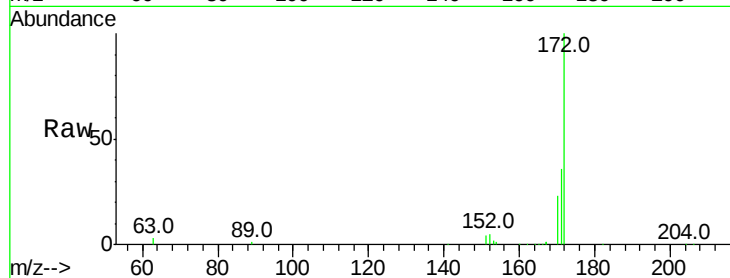
Tot Ion:172 Resp: 27777

Ion Ratio Lower Upper

172 100

171 36.2 29.9 44.9

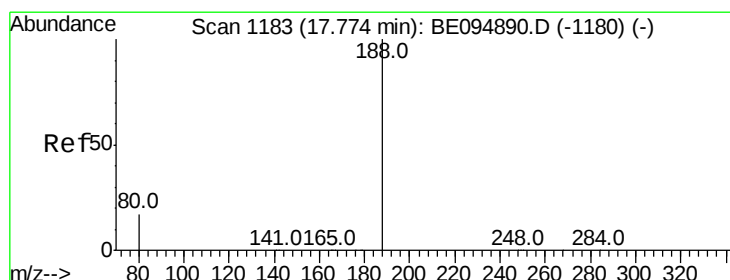
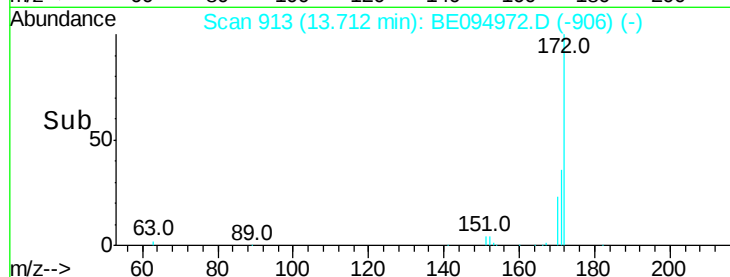
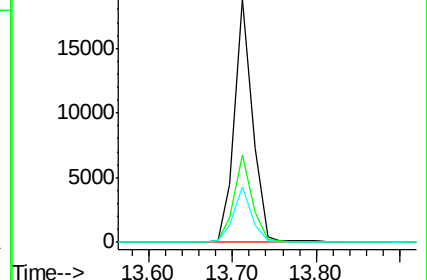
170 22.8 21.8 32.8



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.79 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

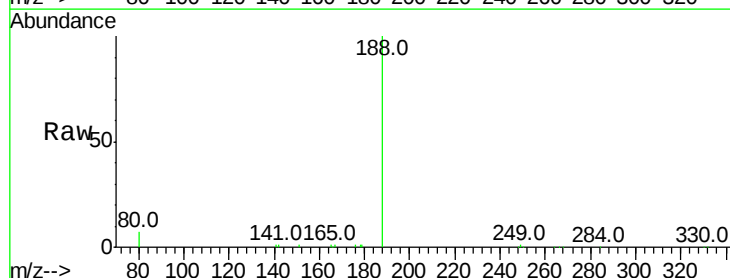
Tgt Ion:188 Resp: 24141

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

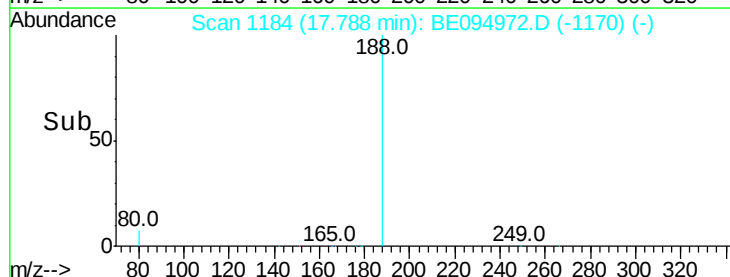
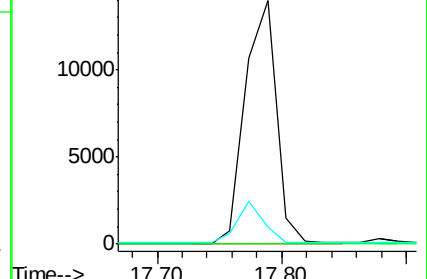
80 7.2 3.6 5.4#

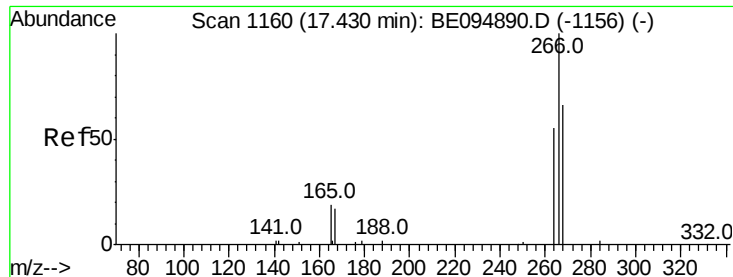


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

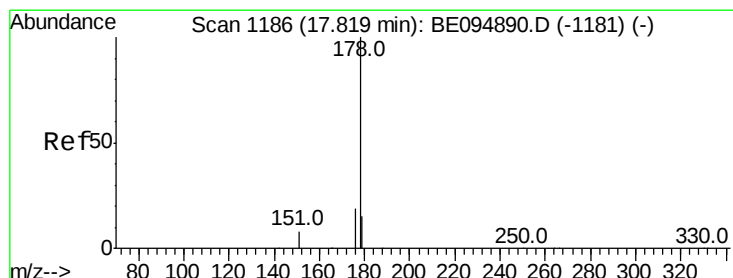
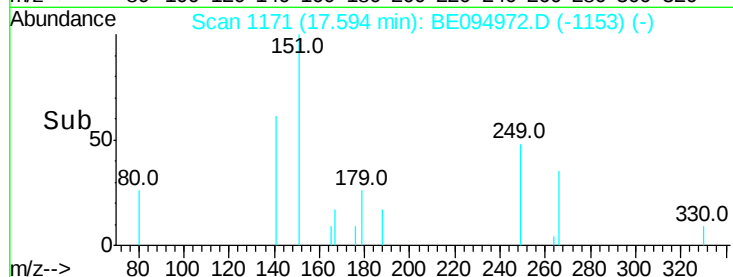
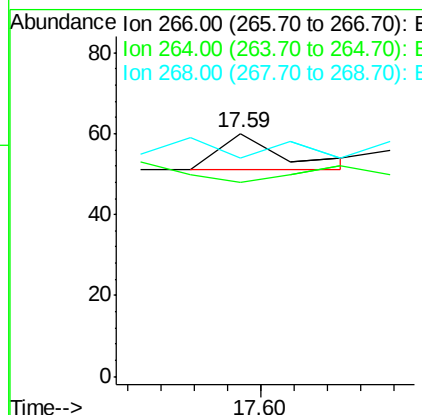
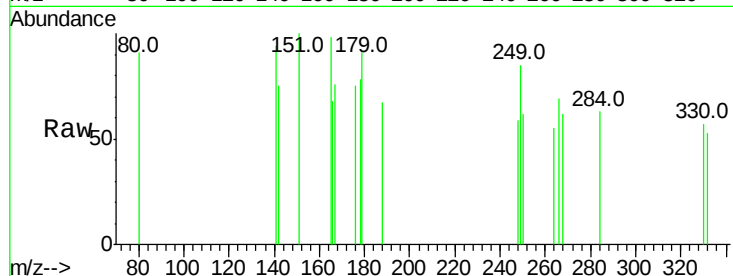




#22
 Pentachlorophenol
 Concen: 0.136 ng
 RT: 17.59 min Scan# 1171
 Delta R.T. 0.16 min
 Lab File: BE094972.D
 Acq: 11 Dec 2017 13:18

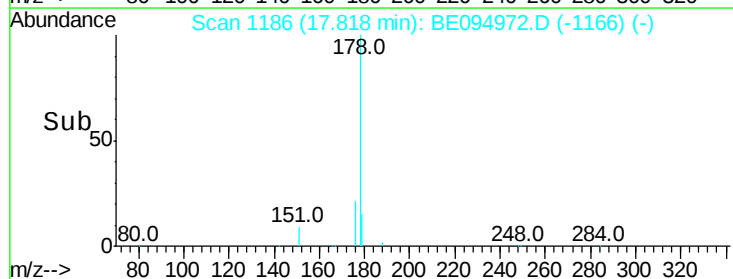
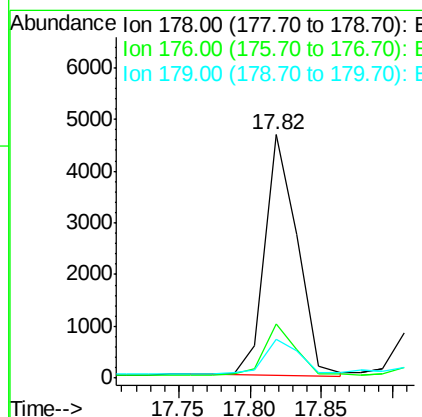
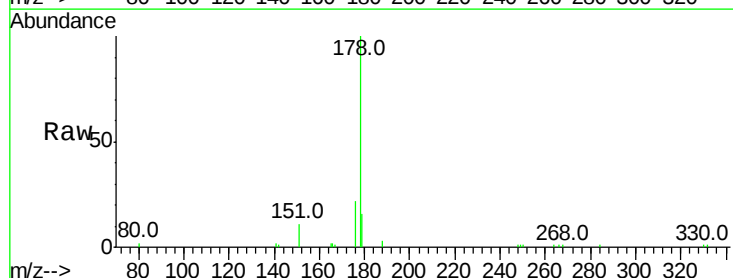
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 ClientSampleId :
 FT-PZ-456S-20171204

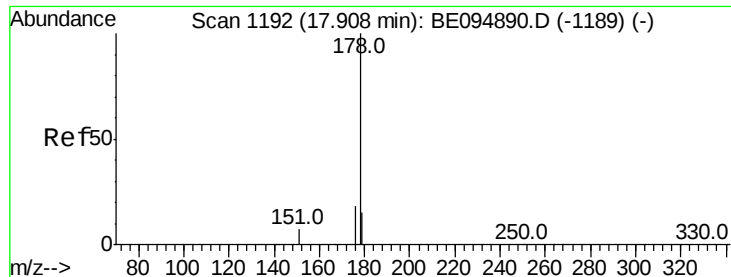
Tot Ion:266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 264 80.0 72.5 108.7
 268 90.0 73.8 110.6



#23
 Phenanthrene
 Concen: 0.096 ng
 RT: 17.82 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BE094972.D
 Acq: 11 Dec 2017 13:18

Tgt Ion:178 Resp: 7374
 Ion Ratio Lower Upper
 178 100
 176 21.7 15.1 22.7
 179 15.6 11.8 17.6





#24

Anthracene

Concen: 0.027 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

Instrument :

BNA_E

ClientSampleId :

FT-PZ-456S-20171204

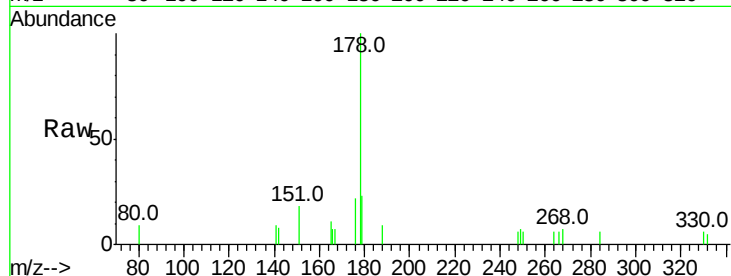
Tot Ion:178 Resp: 2163

Ion Ratio Lower Upper

178 100

176 35.6 12.8 19.2#

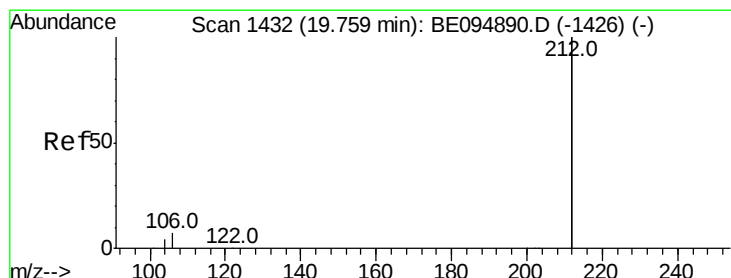
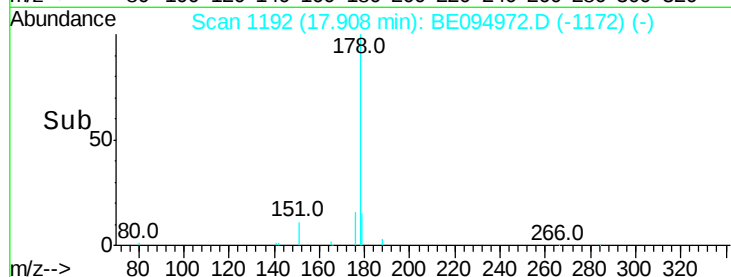
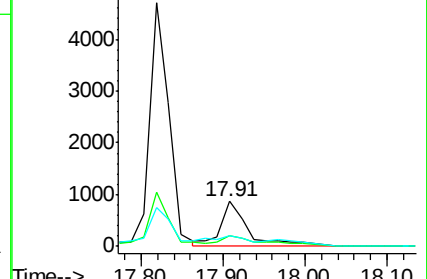
179 10.8 13.0 19.6#



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: 0.376 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

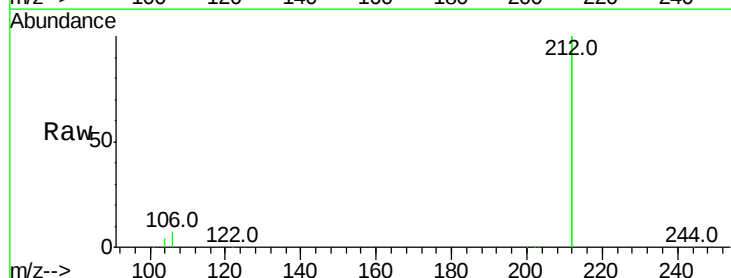
Tgt Ion:212 Resp: 123892

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

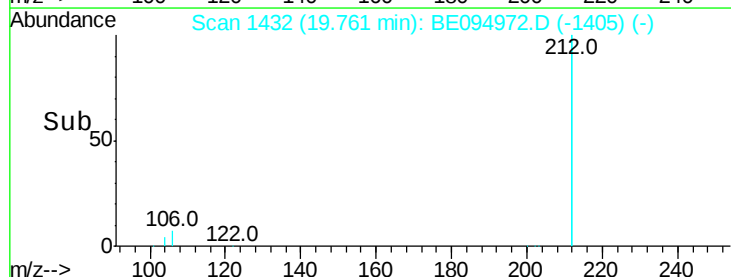
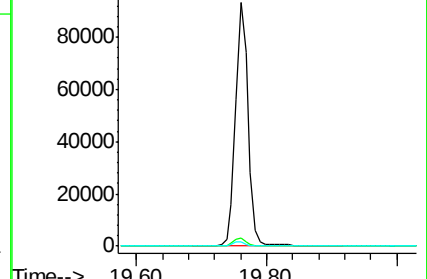
104 1.9 1.6 2.4

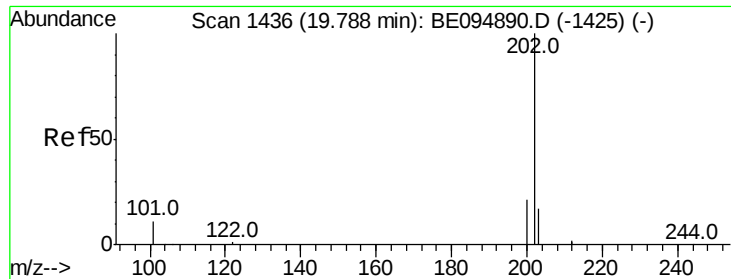


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

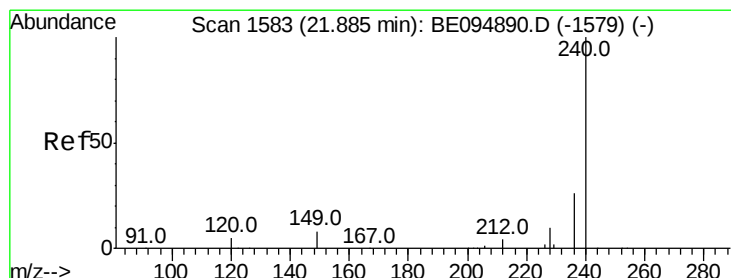
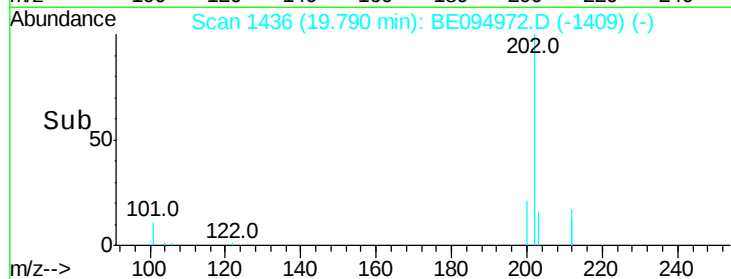
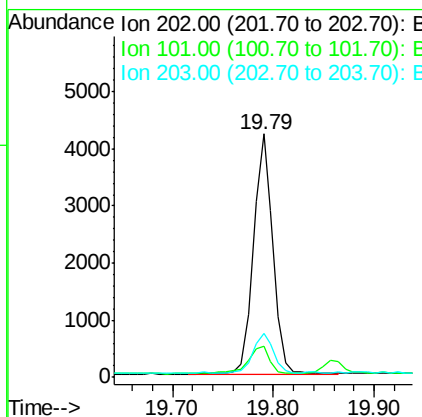
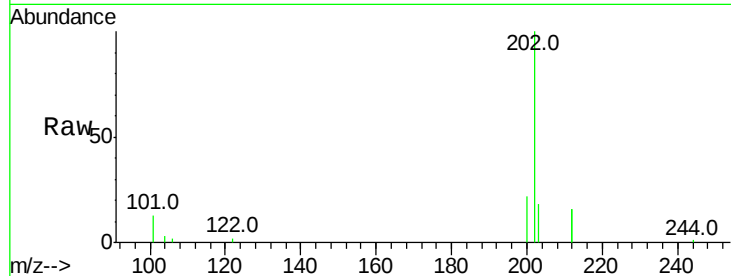




#26
Fluoranthene
 Concen: 0.058 ng
 RT: 19.79 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BE094972.D
 Acq: 11 Dec 2017 13:18

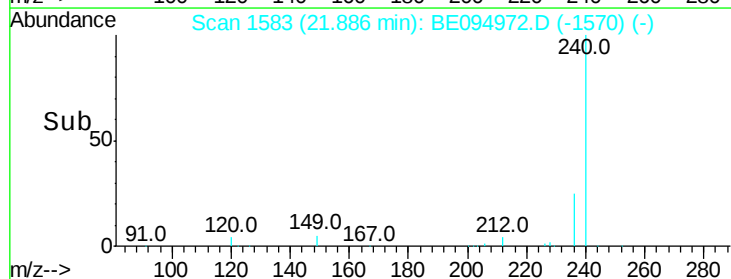
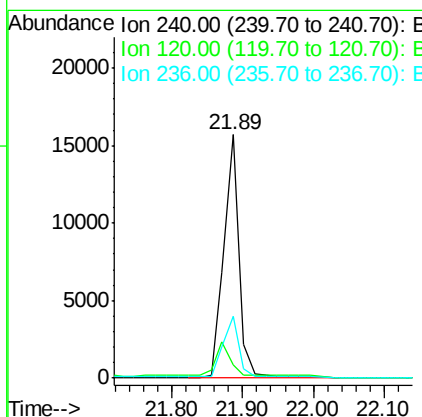
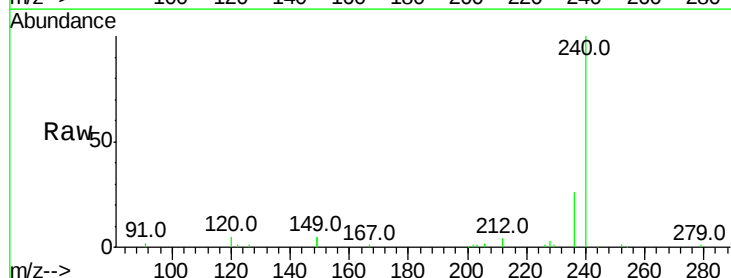
Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-456S-20171204

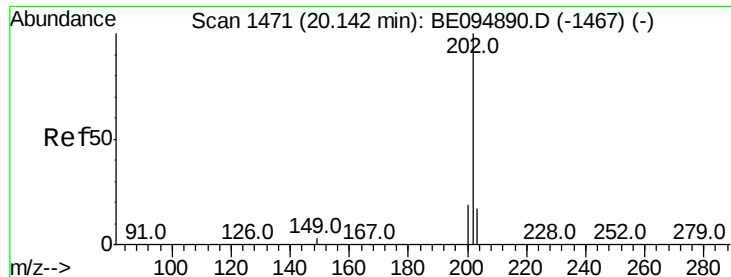
Tot Ion:202 Resp: 5699
 Ion Ratio Lower Upper
 202 100
 101 13.1 9.8 14.8
 203 16.8 13.7 20.5



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094972.D
 Acq: 11 Dec 2017 13:18

Tgt Ion:240 Resp: 25117
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.5 8.3#
 236 25.6 20.7 31.1

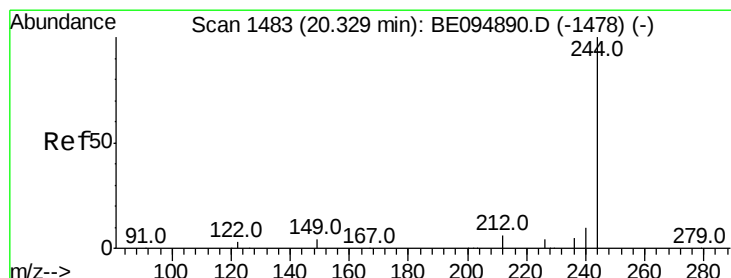
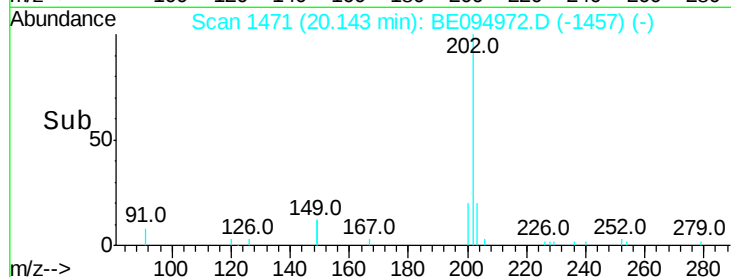
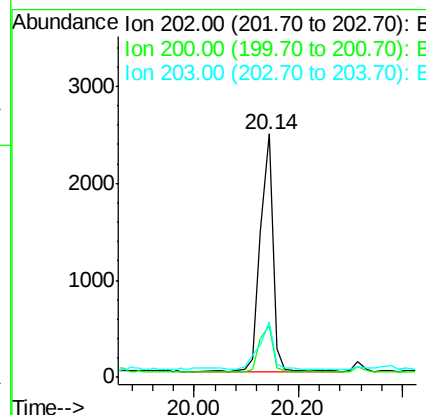
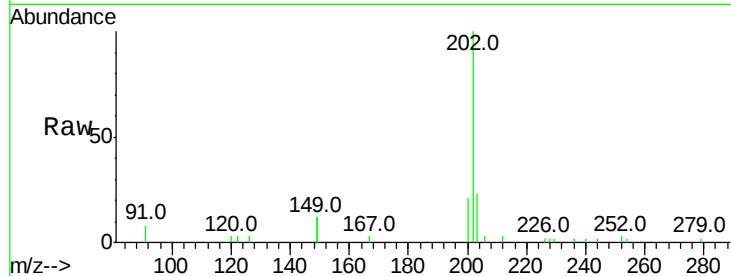




#28
Pvrene
Concen: 0.055 ng
RT: 20.14 min Scan# 1471
Delta R.T. 0.00 min
Lab File: BE094972.D
Acq: 11 Dec 2017 13:18

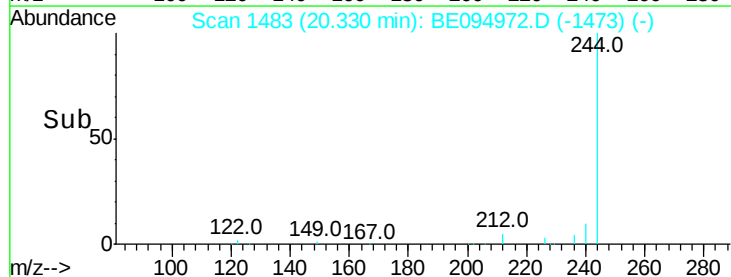
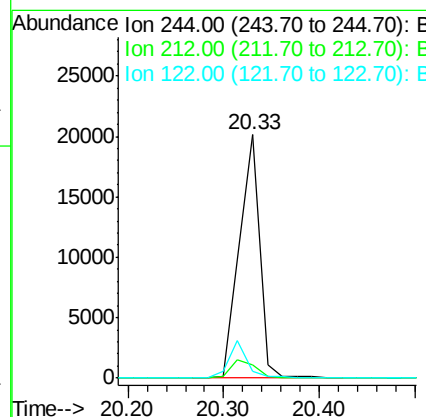
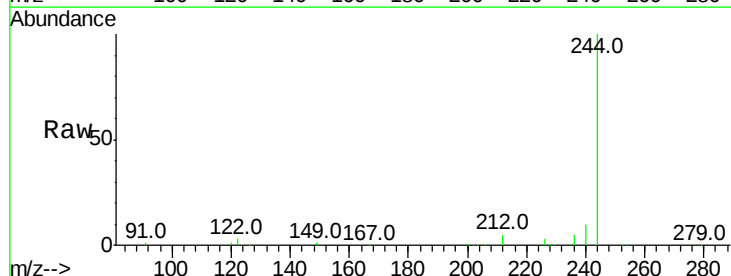
Instrument :
BNA_E
ClientSampleId :
FT-PZ-456S-20171204

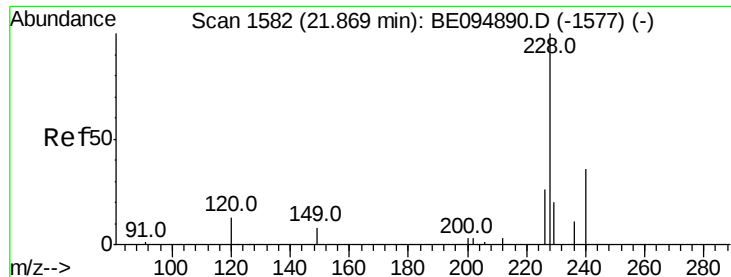
Tot Ion:202 Resp: 4771
Ion Ratio Lower Upper
202 100
200 18.6 16.6 25.0
203 19.6 13.8 20.8



#29
Terphenyl-d14
Concen: 0.629 ng
RT: 20.33 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE094972.D
Acq: 11 Dec 2017 13:18

Tgt Ion:244 Resp: 29180
Ion Ratio Lower Upper
244 100
212 5.4 25.4 38.0#
122 2.5 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 0.069 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

Instrument :

BNA_E

ClientSampleId :

FT-PZ-456S-20171204

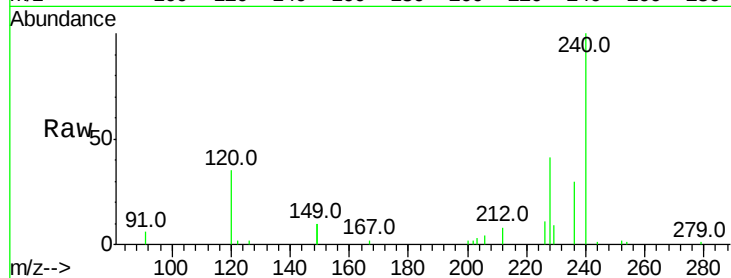
Tot Ion:228 Resp: 5332

Ion Ratio Lower Upper

228 100

226 26.6 40.0 60.0#

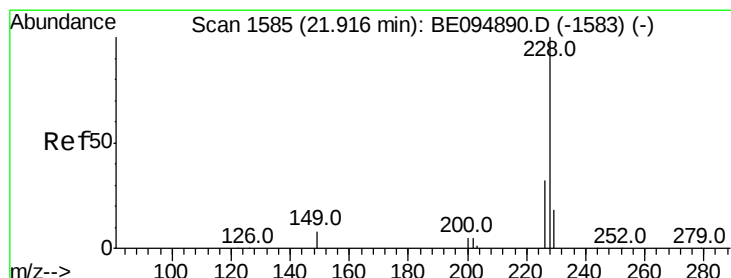
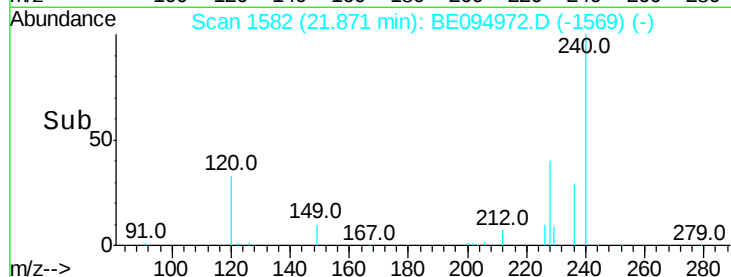
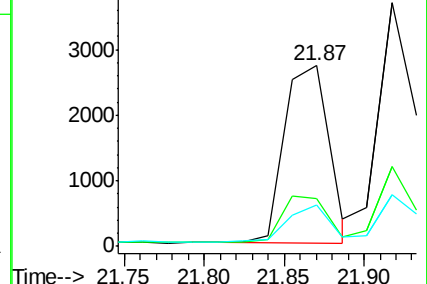
229 23.2 40.0 60.0#



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: 0.079 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

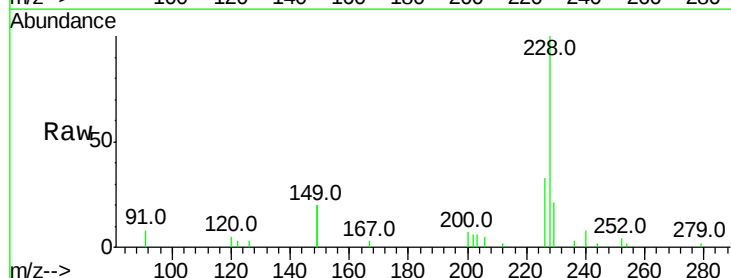
Tgt Ion:228 Resp: 6724

Ion Ratio Lower Upper

228 100

226 32.6 40.0 60.0#

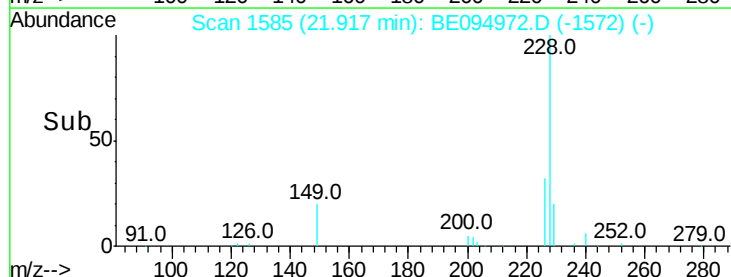
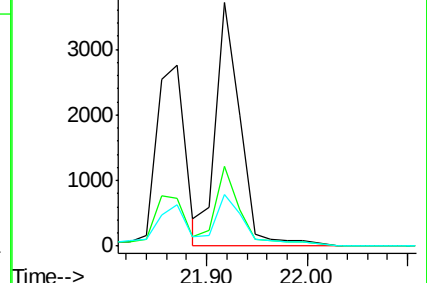
229 21.1 40.0 60.0#

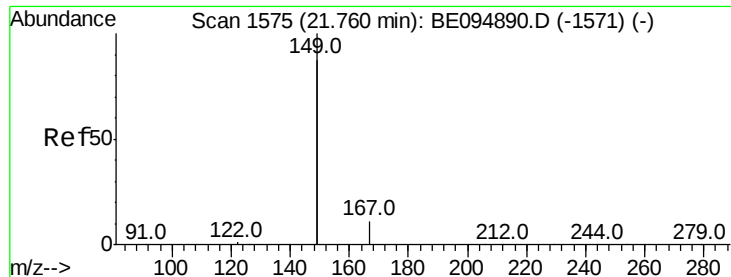


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.041 ng

RT: 21.75 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

Instrument :

BNA_E

ClientSampleId :

FT-PZ-456S-20171204

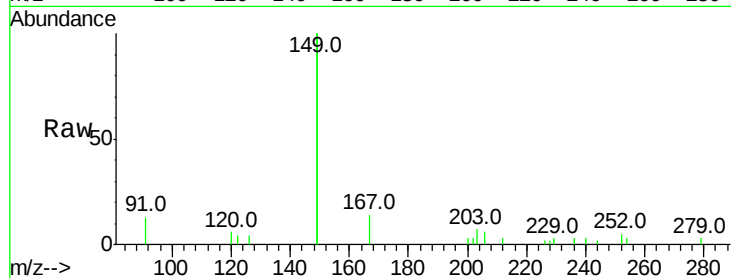
Tot Ion:149 Resp: 5251

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

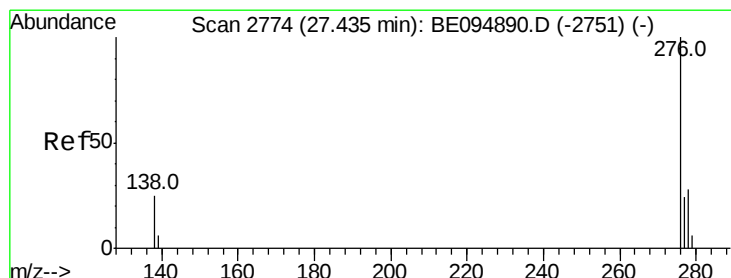
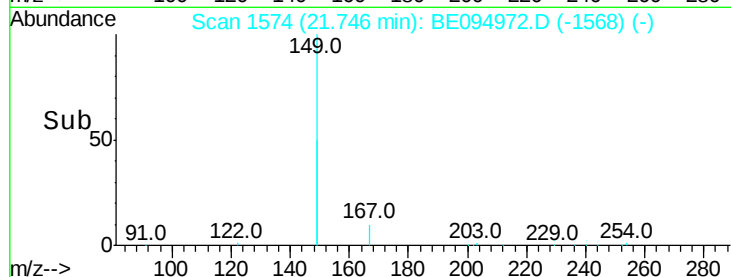
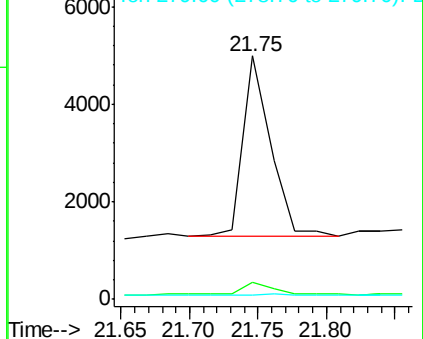
279 1.2 0.7 1.1#



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: 0.071 ng

RT: 27.44 min Scan# 2775

Delta R.T. 0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

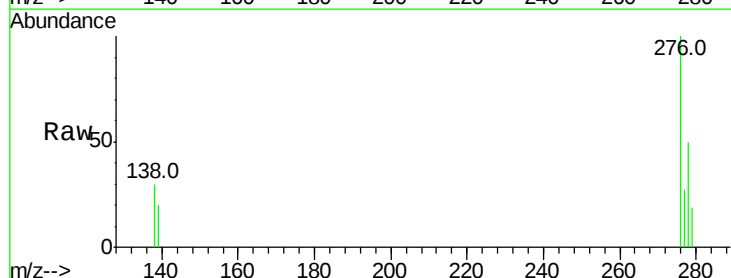
Tgt Ion:276 Resp: 4913

Ion Ratio Lower Upper

276 100

138 28.4 22.5 33.7

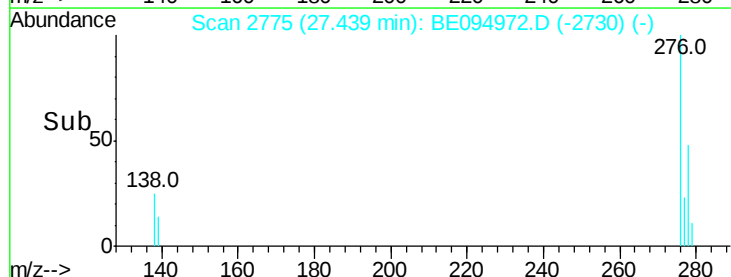
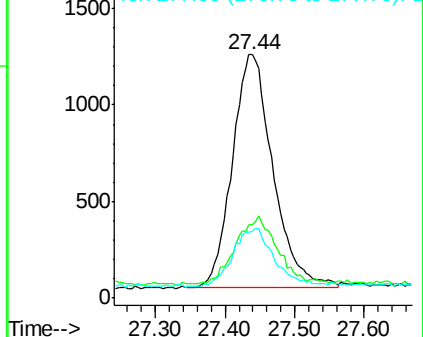
277 25.5 19.9 29.9

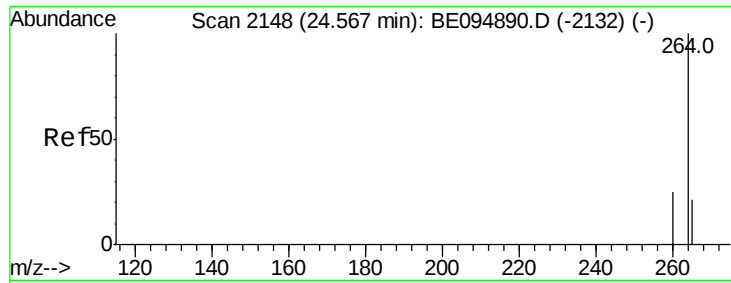


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

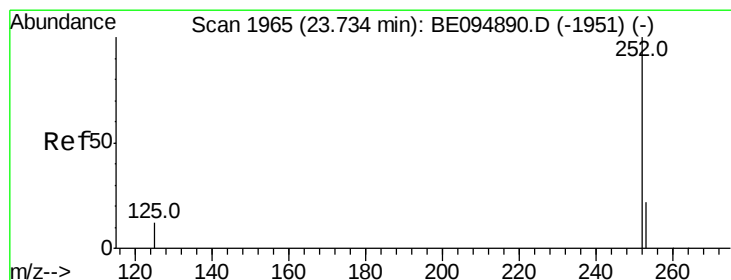
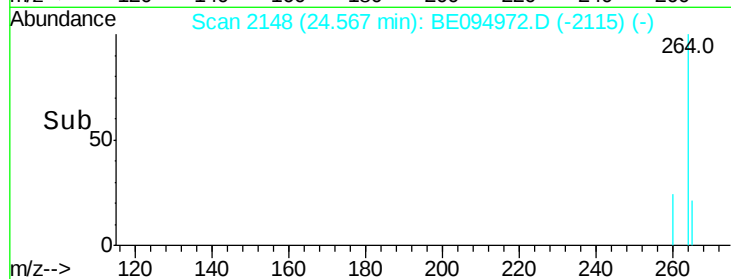
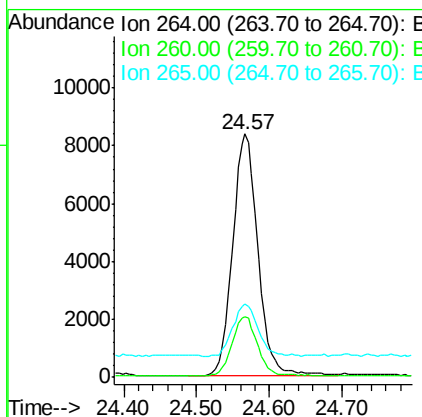
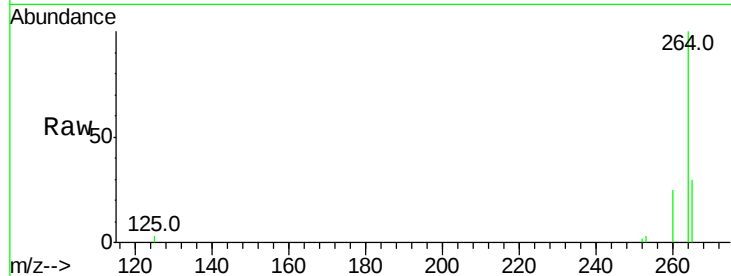




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.57 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: BE094972.D
 Acq: 11 Dec 2017 13:18

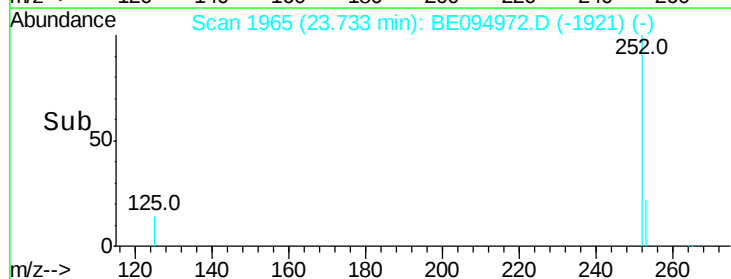
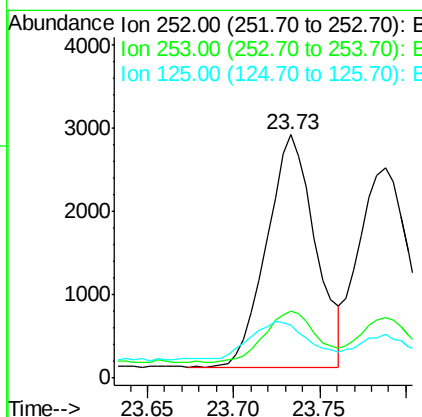
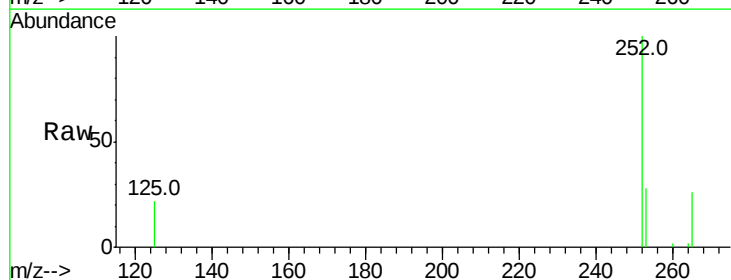
Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-456S-20171204

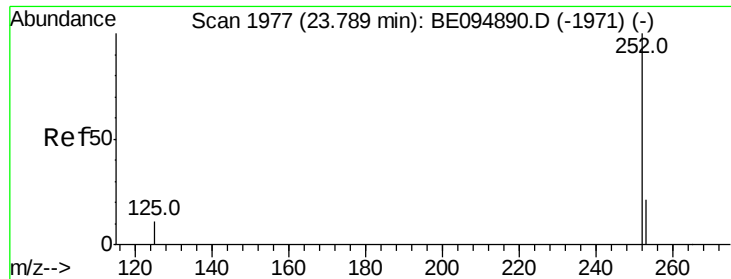
Tot Ion:264 Resp: 20175
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.5 30.7
 265 30.1 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.075 ng
 RT: 23.73 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: BE094972.D
 Acq: 11 Dec 2017 13:18

Tgt Ion:252 Resp: 5504
 Ion Ratio Lower Upper
 252 100
 253 27.6 48.0 72.0#
 125 21.9 56.0 84.0#





#36

Benzo(k)fluoranthene

Concen: 0.065 ng

RT: 23.79 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

Instrument :

BNA_E

ClientSampleId :

FT-PZ-456S-20171204

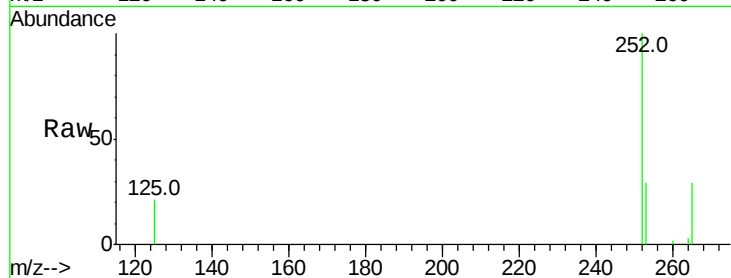
Tot Ion:252 Resp: 4862

Ion Ratio Lower Upper

252 100

253 28.5 48.0 72.0#

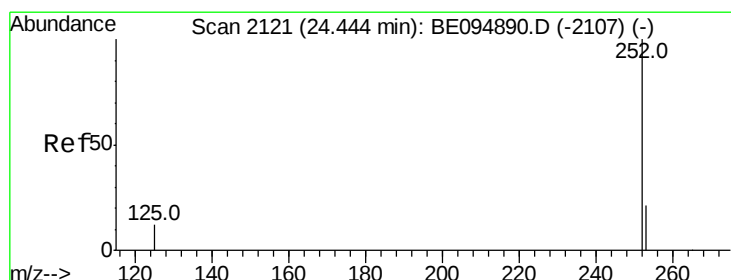
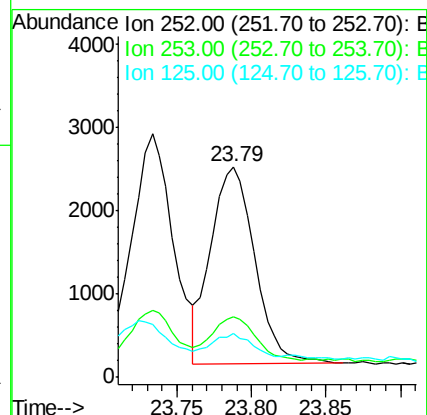
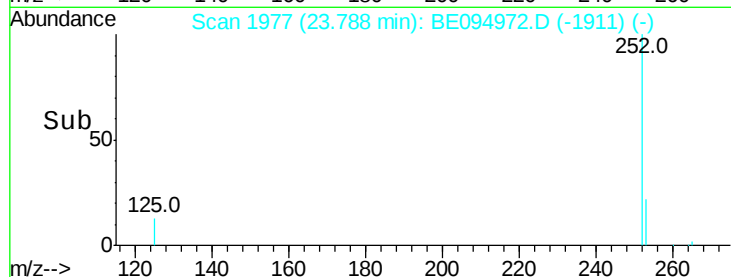
125 20.6 56.0 84.0#



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: 0.066 ng

RT: 24.44 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

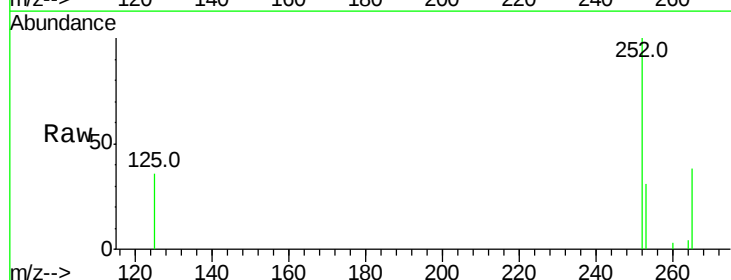
Tgt Ion:252 Resp: 4287

Ion Ratio Lower Upper

252 100

253 31.1 52.0 78.0#

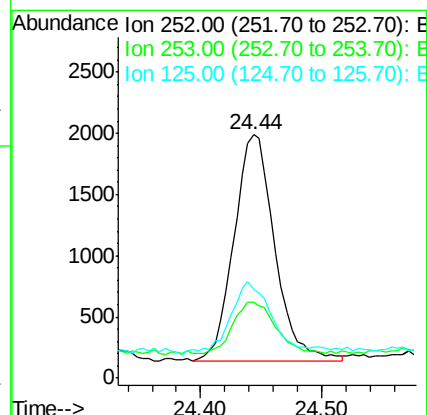
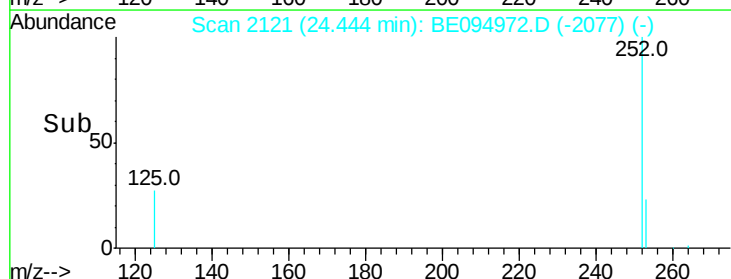
125 36.3 68.0 102.0#

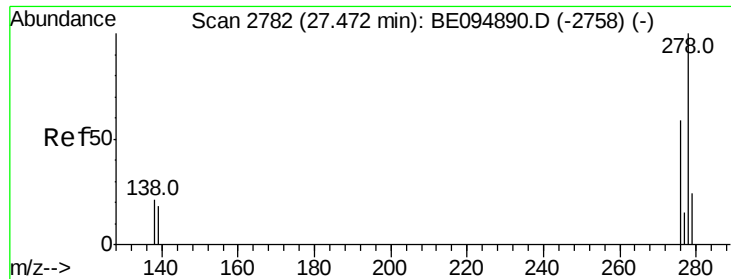


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.066 ng

RT: 27.47 min Scan# 2781

Delta R.T. -0.01 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

Instrument :

BNA_E

ClientSampleId :

FT-PZ-456S-20171204

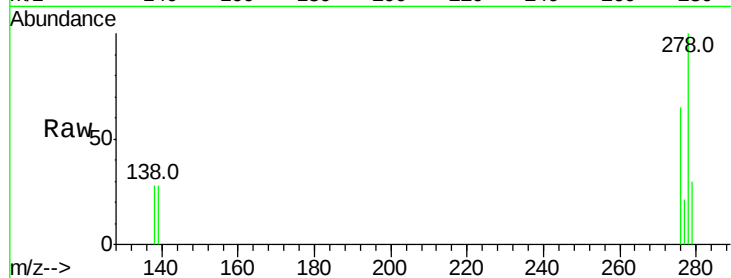
Tot Ion:278 Resp: 3944

Ion Ratio Lower Upper

278 100

139 27.9 56.0 84.0#

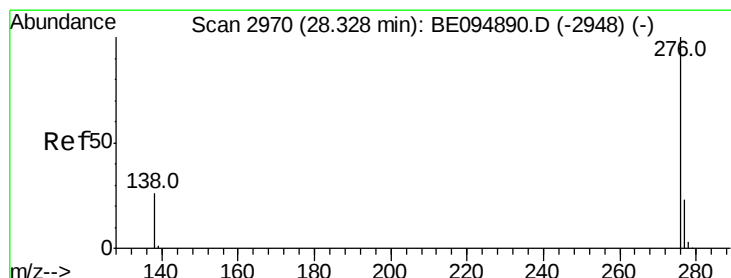
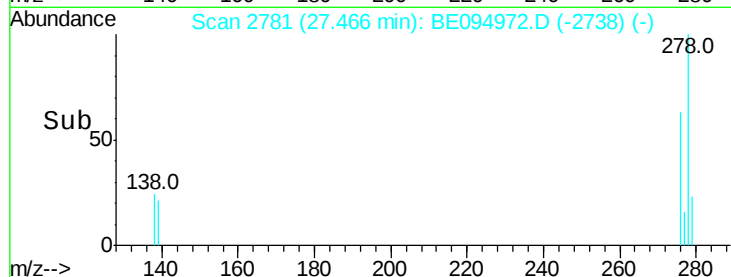
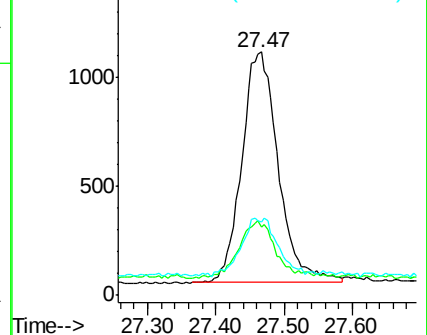
279 30.2 52.0 78.0#



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: 0.072 ng

RT: 28.32 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BE094972.D

Acq: 11 Dec 2017 13:18

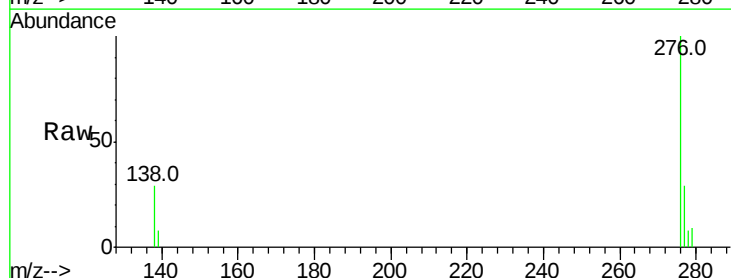
Tgt Ion:276 Resp: 4294

Ion Ratio Lower Upper

276 100

277 28.9 52.0 78.0#

138 28.9 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

