

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121417\
 Data File : BE094987.D
 Acq On : 14 Dec 2017 21:24
 Operator : SJ/JU
 Sample : I6797-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EB-2017-12-07

Quant Time: Dec 15 08:12:40 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	5615	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	12487	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	6893	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	16525	0.40	ng	0.00
27) Chrysene-d12	21.87	240	20154	0.40	ng	0.00
34) Perylene-d12	24.54	264	16434	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.96	112	1116	0.13	ng	0.00
5) Phenol-d6	7.59	99	953	0.07	ng	0.00
8) Nitrobenzene-d5	9.65	82	4342	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	6776	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	373	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	12851	0.42	ng	0.00
25) Fluoranthene-d10	19.75	212	76128	0.36	ng	0.00
29) Terphenyl-d14	20.31	244	17864	0.47	ng	0.00

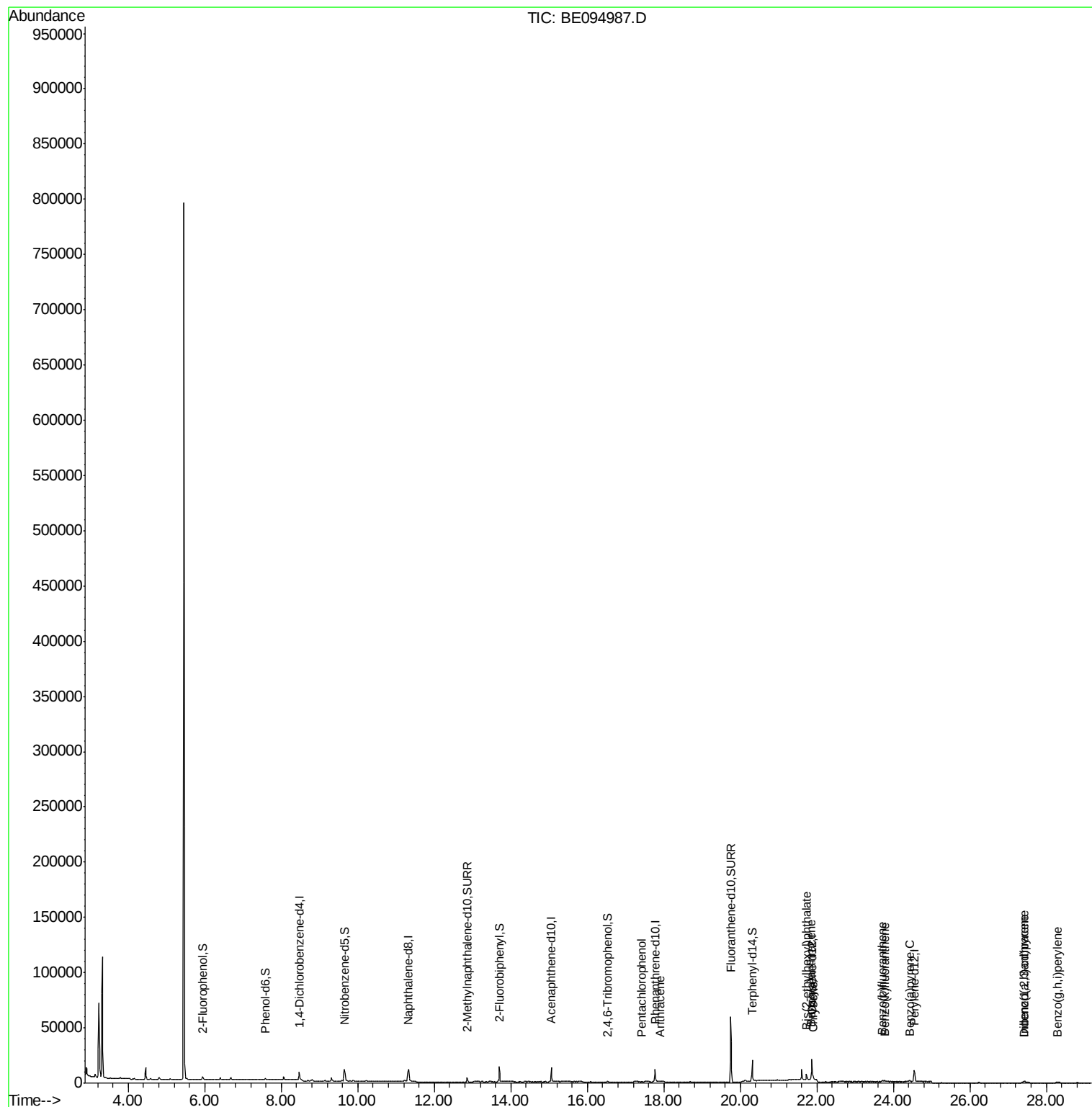
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.42	266	19	0.087	ng	96
24) Anthracene	17.89	178	1178	0.022	ng	# 80
30) Benzo(a)anthracene	21.85	228	2186	0.037	ng	# 67
31) Chrysene	21.90	228	2797	0.042	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.73	149	6595	0.088	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.40	276	2214	0.041	ng	100
35) Benzo(b)fluoranthene	23.72	252	2287	0.038	ng	# 87
36) Benzo(k)fluoranthene	23.77	252	2059	0.034	ng	# 66
37) Benzo(a)pyrene	24.42	252	1867	0.035	ng	# 56
38) Dibenzo(a,h)anthracene	27.43	278	1687	0.034	ng	# 79
39) Benzo(g,h,i)perylene	28.29	276	1920	0.039	ng	# 83

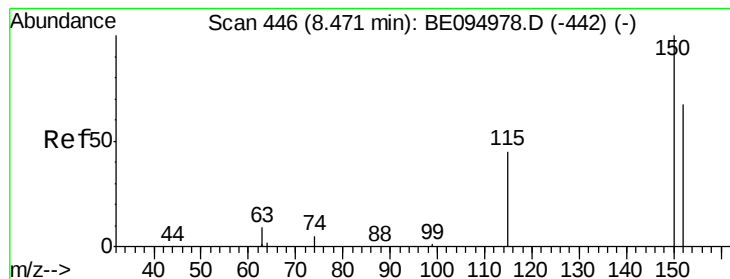
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. 0.00 min

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ClientSampleId :

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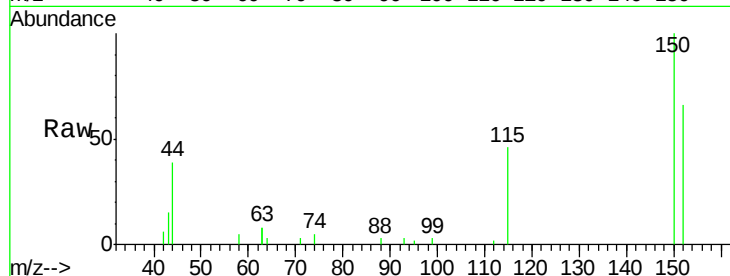
Tgt Ion:152 Resp: 5615

Ion Ratio Lower Upper

152 100

150 152.3 117.2 175.8

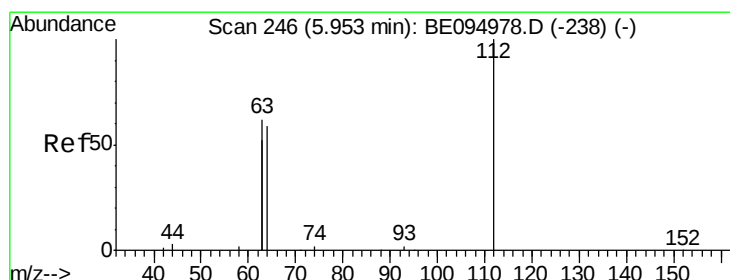
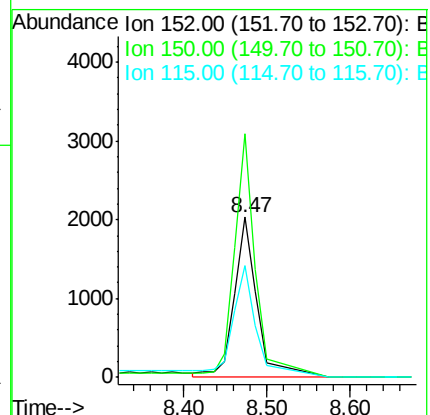
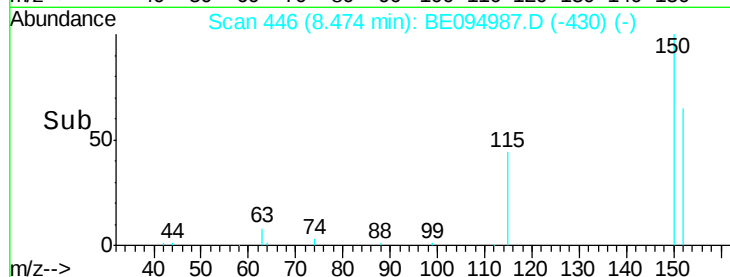
115 69.6 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.128 ng

RT: 5.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

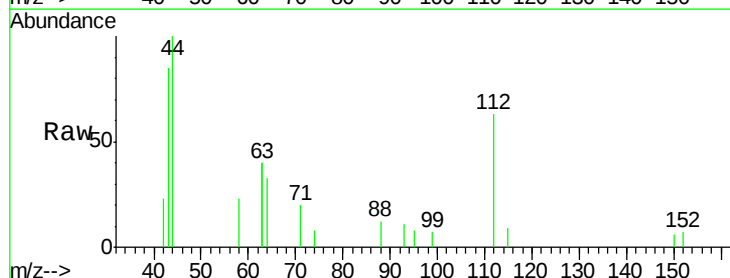
Tgt Ion:112 Resp: 1116

Ion Ratio Lower Upper

112 100

64 68.0 60.1 90.1

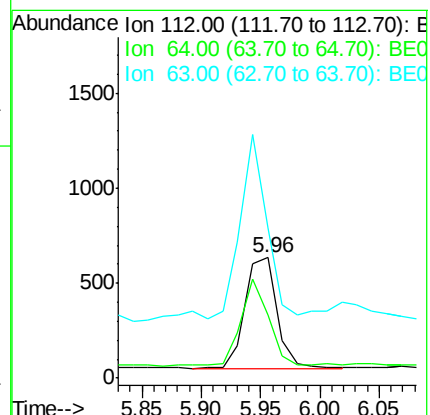
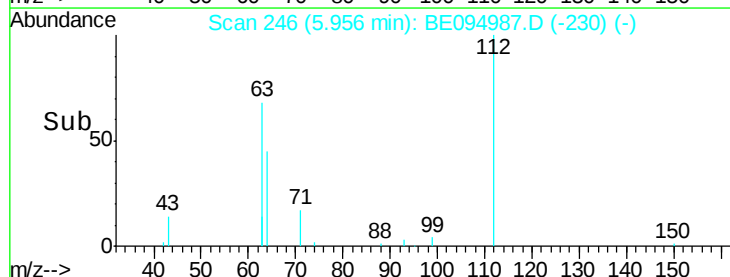
63 147.7 116.8 175.2

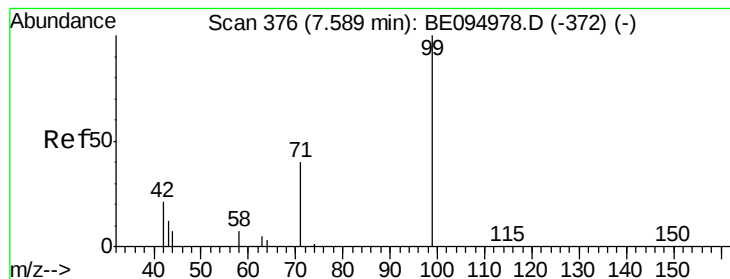


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.074 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

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EB-2017-12-07

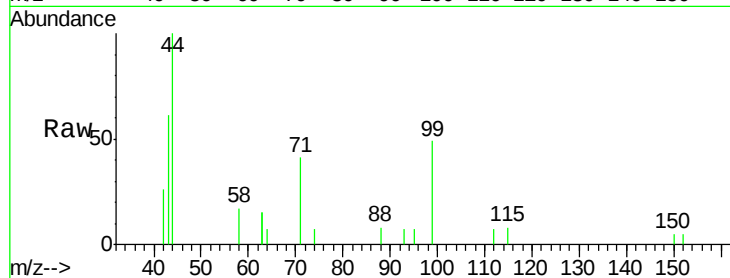
Tgt Ion: 99 Resp: 953

Ion Ratio Lower Upper

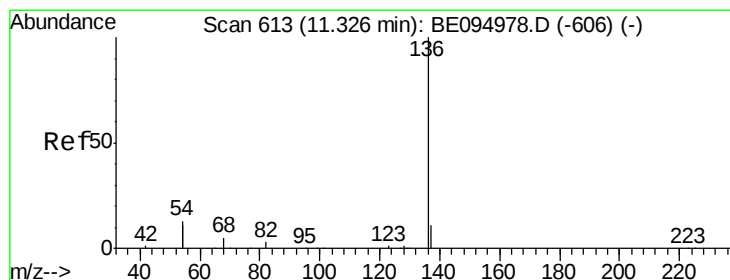
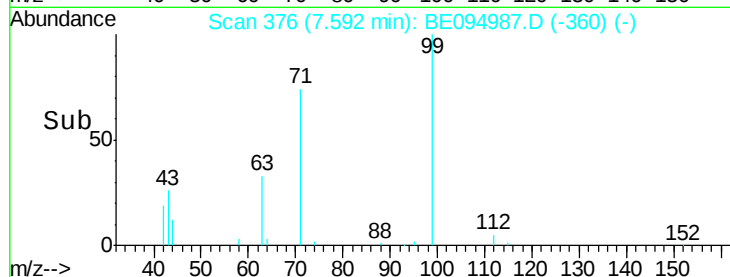
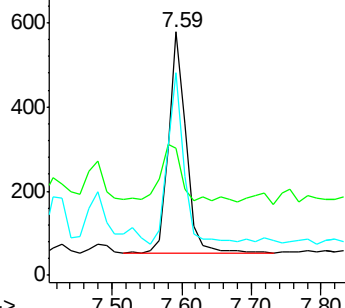
99 100

42 29.7 20.2 30.2

71 71.1 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: BE094987.D

Acq: 14 Dec 2017 21:24

Tgt Ion: 136 Resp: 12487

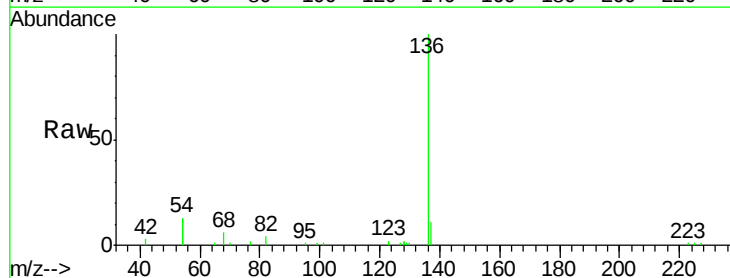
Ion Ratio Lower Upper

136 100

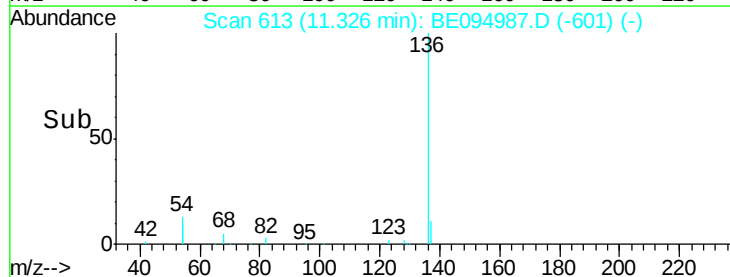
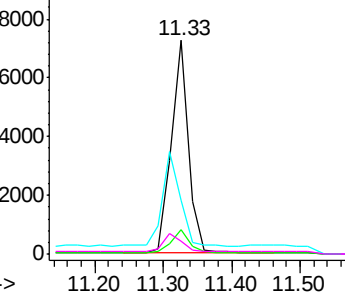
137 11.3 9.5 14.3

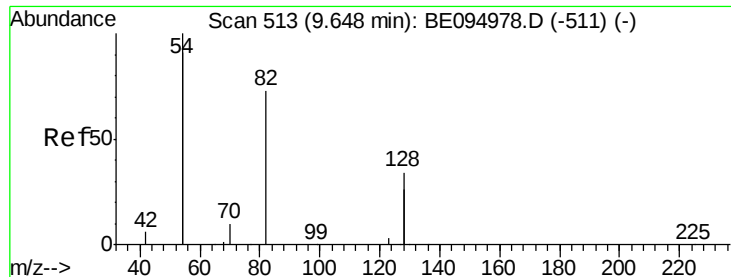
54 25.3 29.1 43.7#

68 6.0 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: 0.424 ng

RT: 9.65 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

ClientSampleId :

EB-2017-12-07

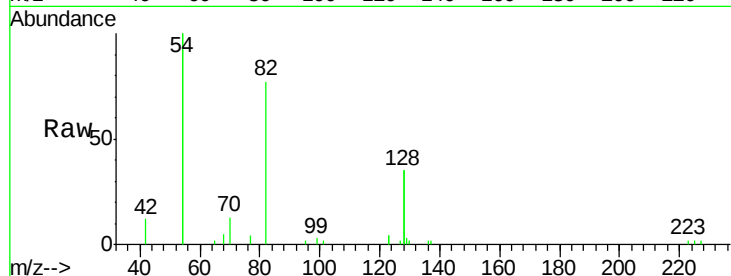
Tgt Ion: 82 Resp: 4342

Ion Ratio Lower Upper

82 100

128 91.7 150.0 225.0#

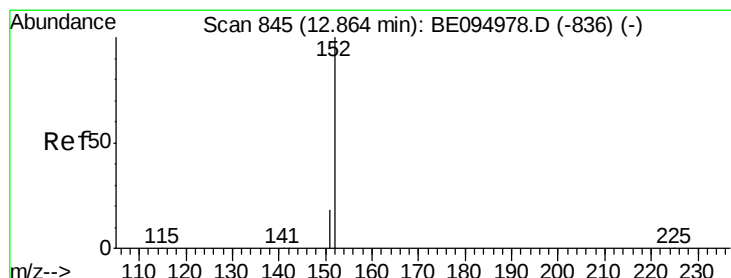
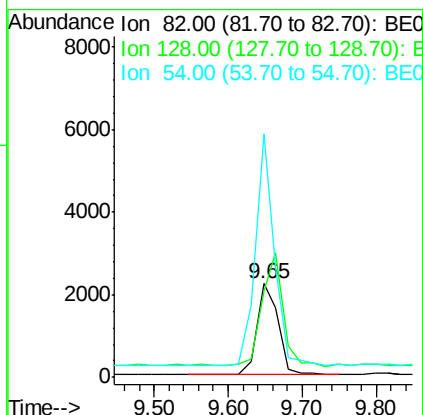
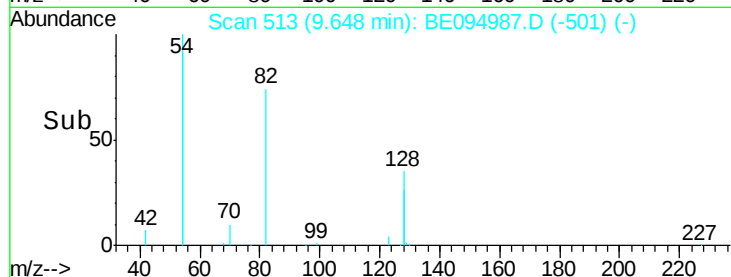
54 260.9 154.2 231.4#



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: 0.331 ng

RT: 12.86 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE094987.D

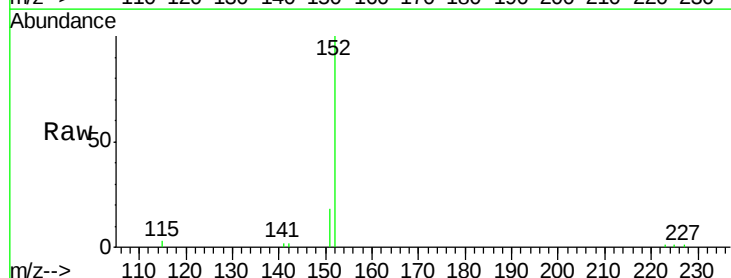
Acq: 14 Dec 2017 21:24

Tgt Ion: 152 Resp: 6776

Ion Ratio Lower Upper

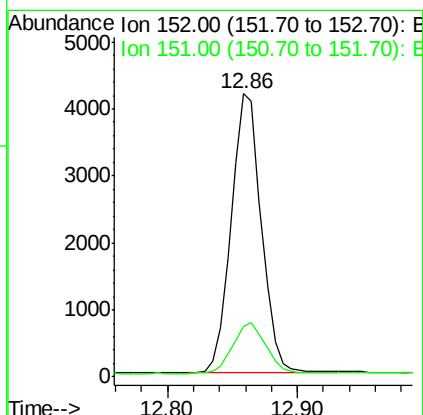
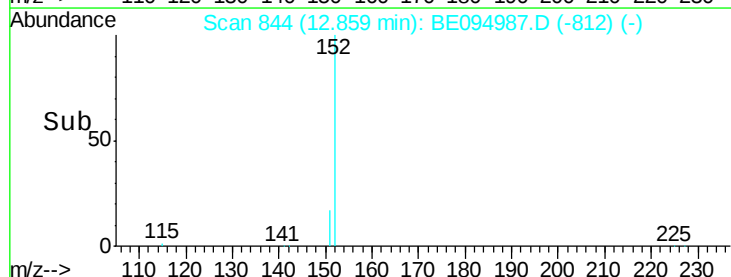
152 100

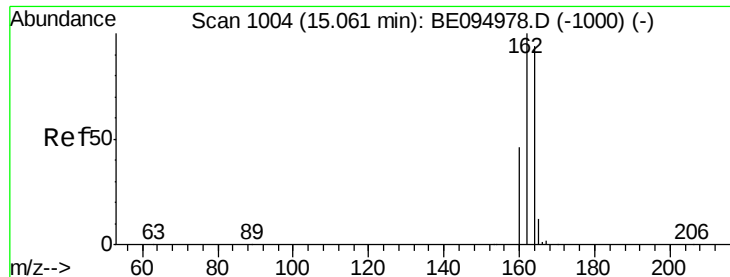
151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

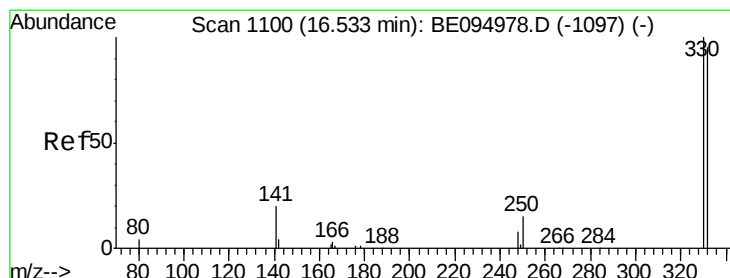
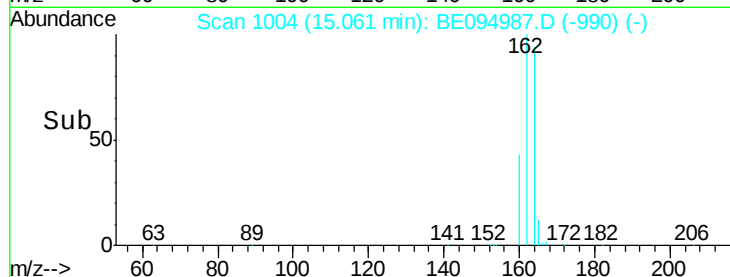
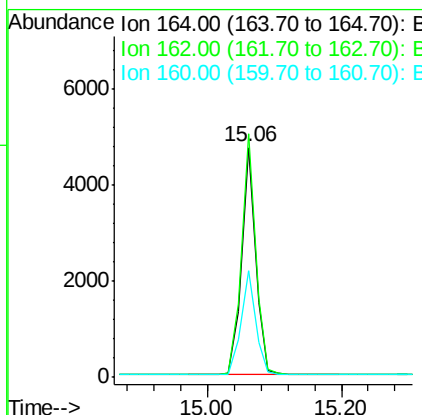
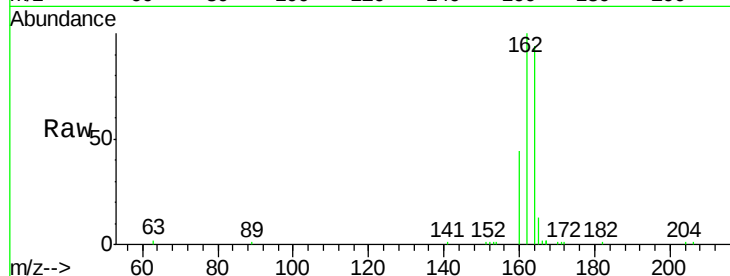




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE094987.D
Acq: 14 Dec 2017 21:24

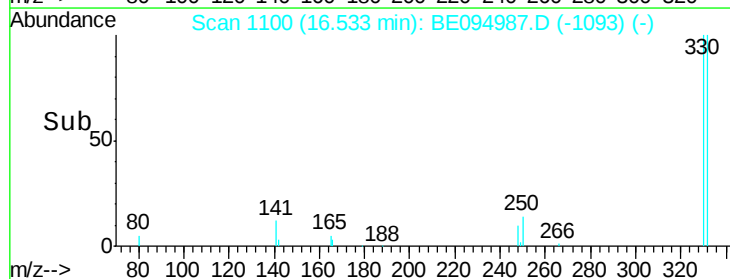
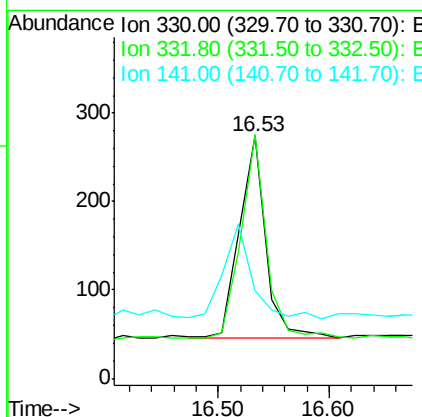
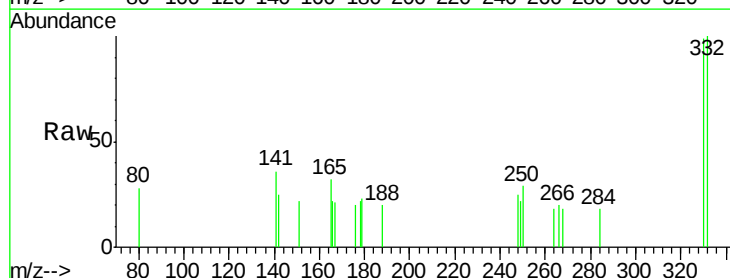
Instrument :
BNA_E
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EB-2017-12-07

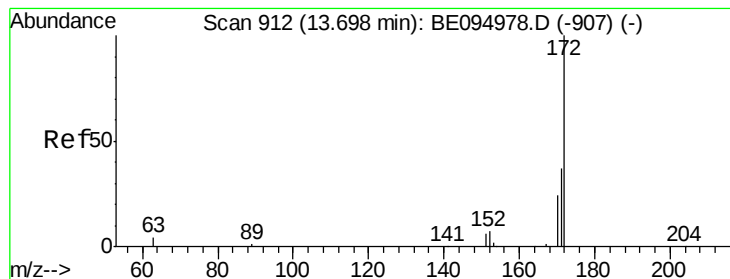
Tgt Ion:164 Resp: 6893
Ion Ratio Lower Upper
164 100
162 106.1 83.1 124.7
160 46.6 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094987.D
Acq: 14 Dec 2017 21:24

Tgt Ion:330 Resp: 373
Ion Ratio Lower Upper
330 100
332 97.6 152.7 229.1#
141 52.3 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.421 ng

RT: 13.70 min Scan# 912

Delta R.T. 0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

ClientSampleId :

EB-2017-12-07

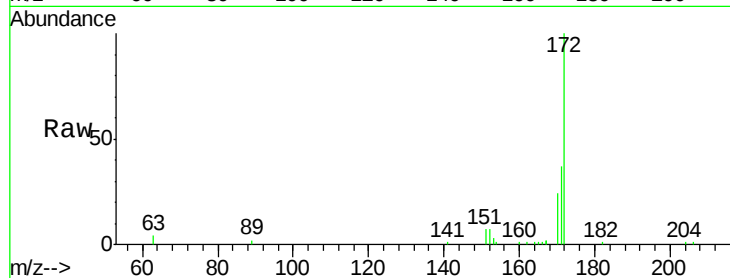
Tgt Ion:172 Resp: 12851

Ion Ratio Lower Upper

172 100

171 36.8 29.9 44.9

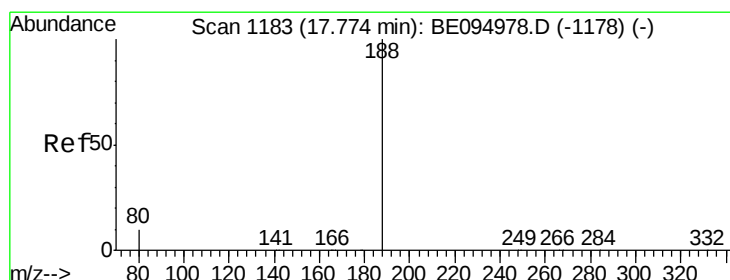
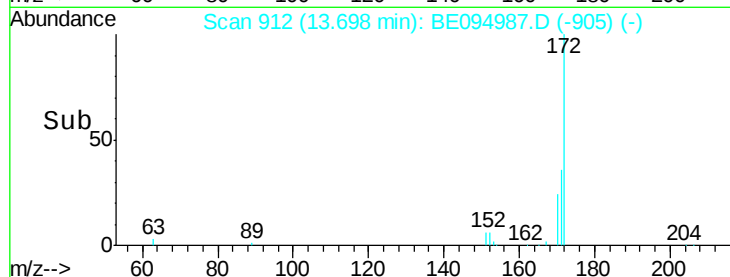
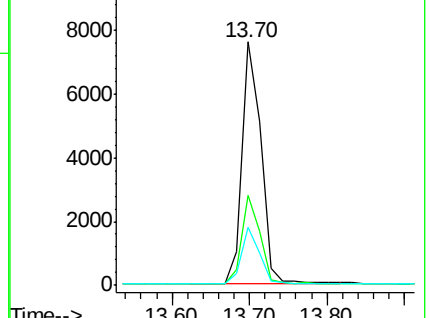
170 24.1 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

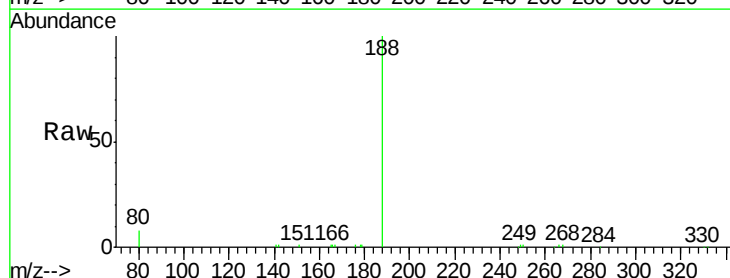
Tgt Ion:188 Resp: 16525

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

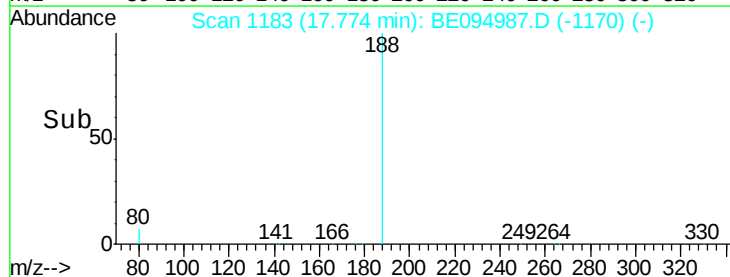
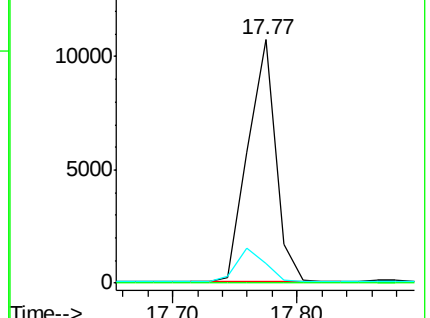
80 8.2 3.6 5.4#

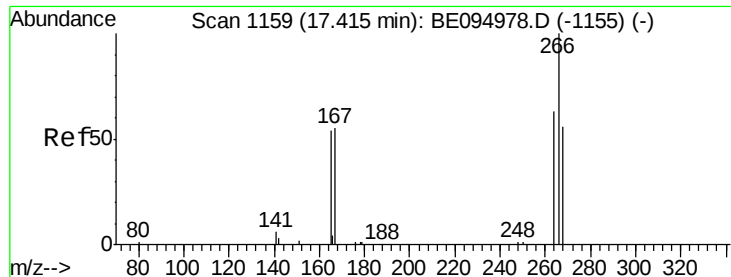


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

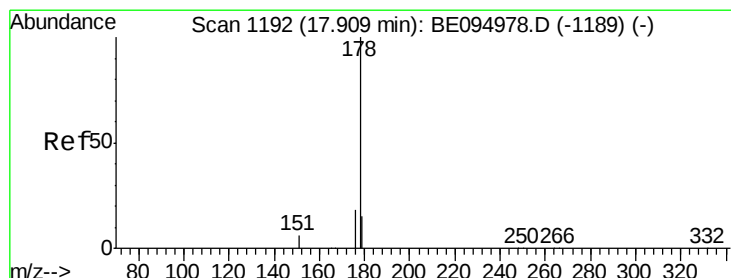
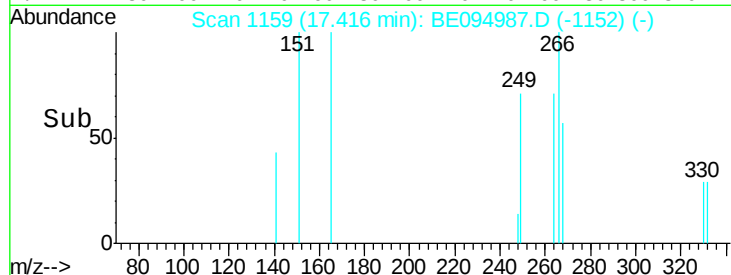
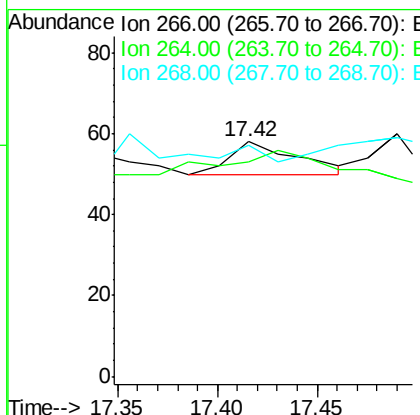
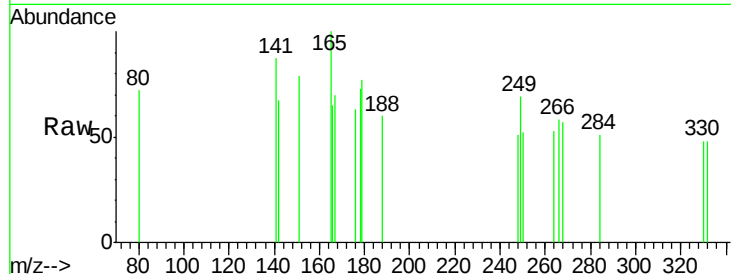




#22
 Pentachlorophenol
 Concen: 0.087 ng
 RT: 17.42 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BE094987.D
 Acq: 14 Dec 2017 21:24

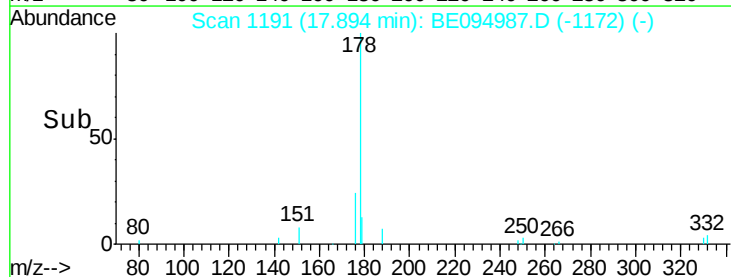
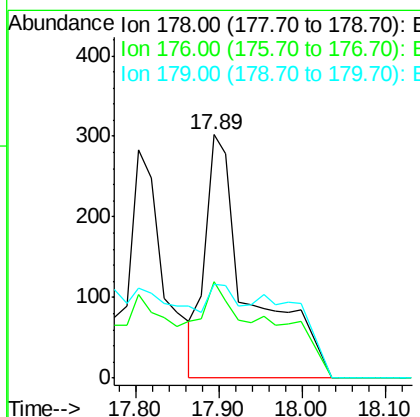
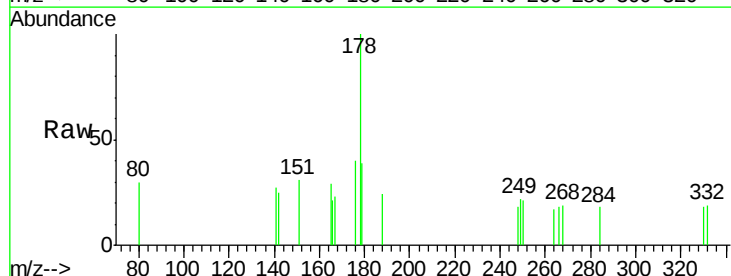
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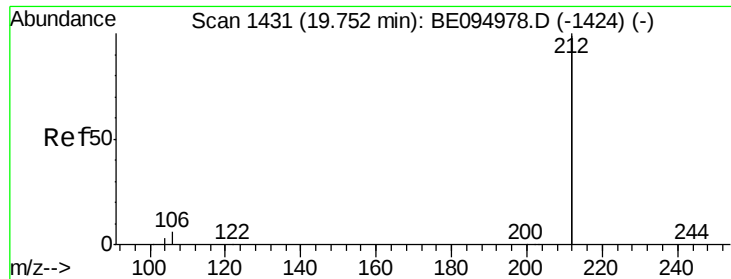
Tgt Ion:266 Resp: 19
 Ion Ratio Lower Upper
 266 100
 264 91.4 72.5 108.7
 268 98.3 73.8 110.6



#24
 Anthracene
 Concen: 0.022 ng
 RT: 17.89 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BE094987.D
 Acq: 14 Dec 2017 21:24

Tgt Ion:178 Resp: 1178
 Ion Ratio Lower Upper
 178 100
 176 8.9 12.8 19.2#
 179 6.5 13.0 19.6#

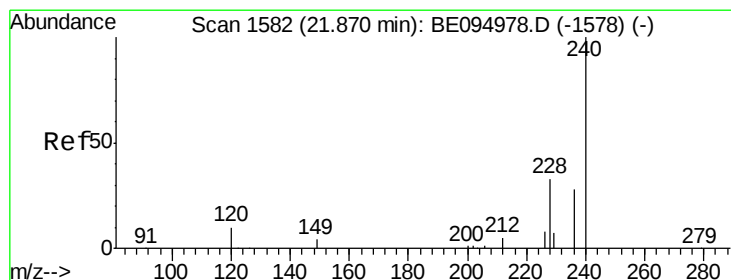
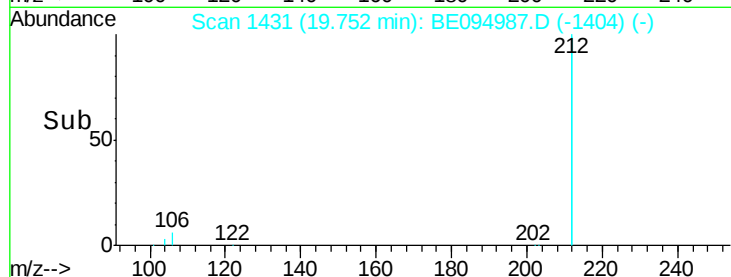
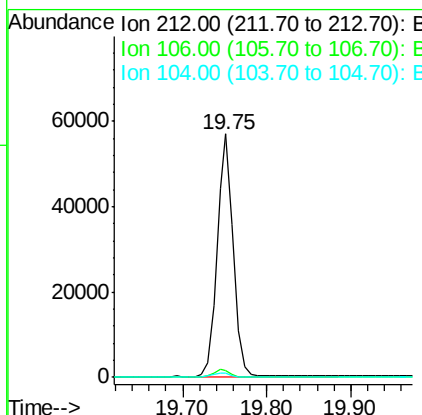
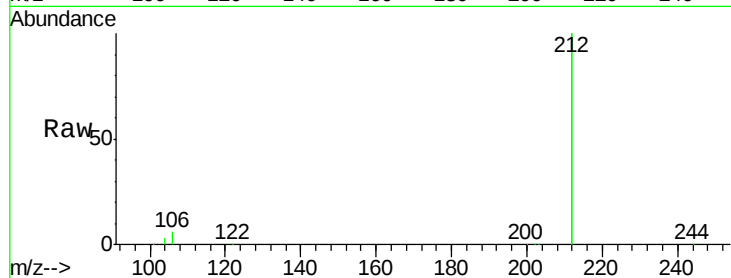




#25
 Fluoranthene-d10
 Concen: 0.355 ng
 RT: 19.75 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BE094987.D
 Acq: 14 Dec 2017 21:24

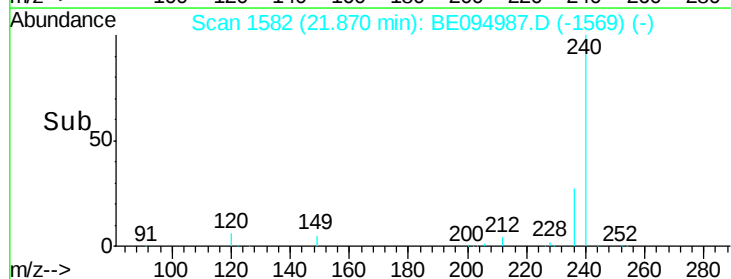
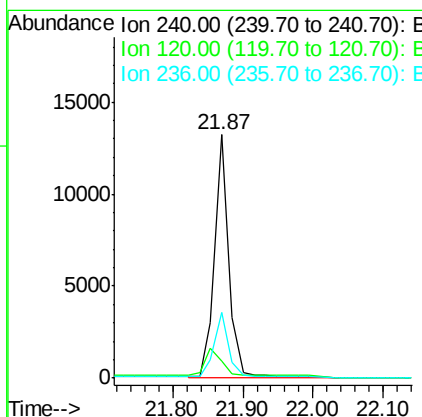
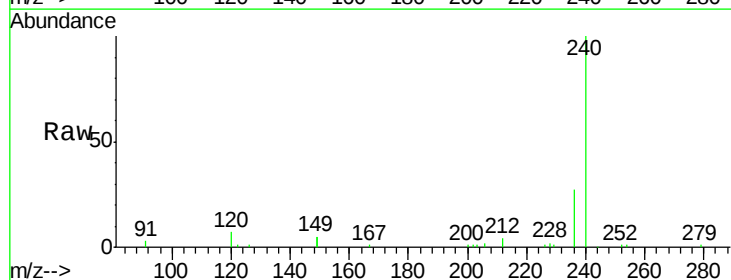
Instrument :
 BNA_E
 ClientSampleId :
 EB-2017-12-07

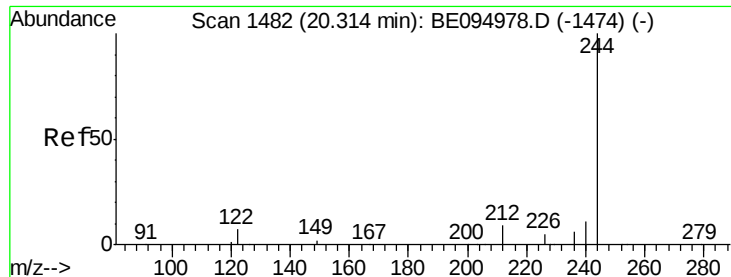
Tgt Ion: 212 Resp: 76128
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.8 4.2
 104 1.9 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.87 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BE094987.D
 Acq: 14 Dec 2017 21:24

Tgt Ion: 240 Resp: 20154
 Ion Ratio Lower Upper
 240 100
 120 6.9 5.5 8.3
 236 27.2 20.7 31.1





#29

Terphenyl-d14

Concen: 0.471 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

ClientSampleId :

EB-2017-12-07

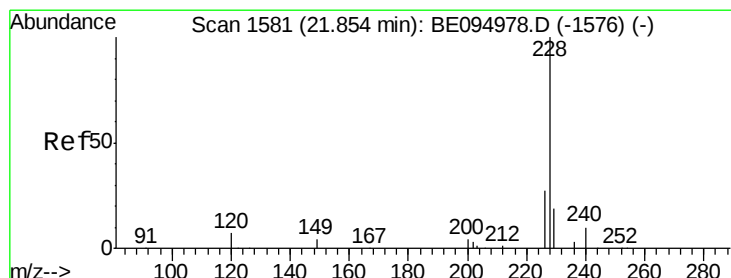
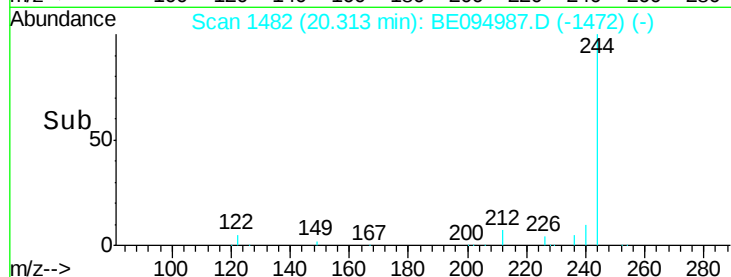
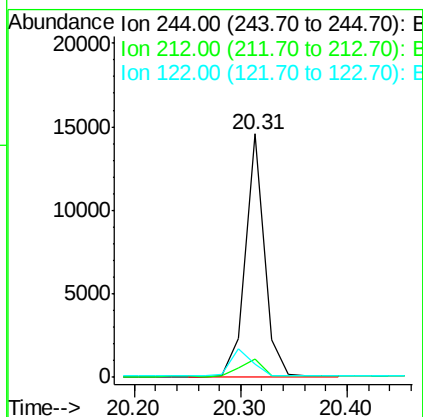
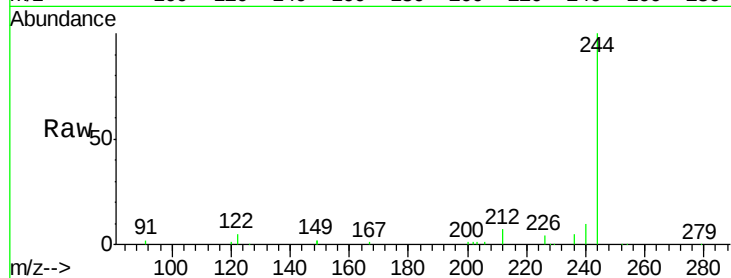
Tgt Ion:244 Resp: 17864

Ion Ratio Lower Upper

244 100

212 7.4 25.4 38.0#

122 5.3 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.037 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

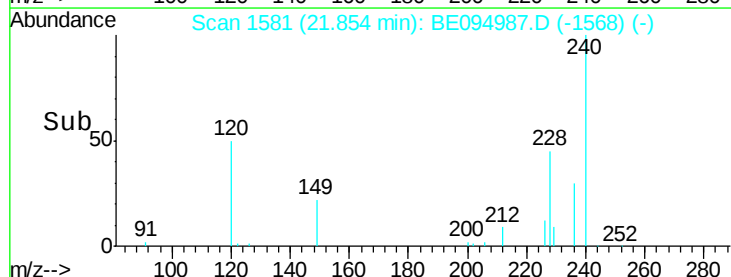
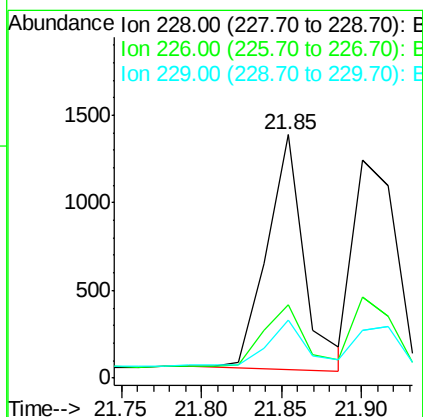
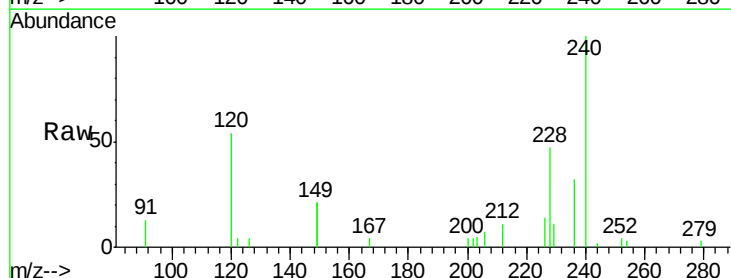
Tgt Ion:228 Resp: 2186

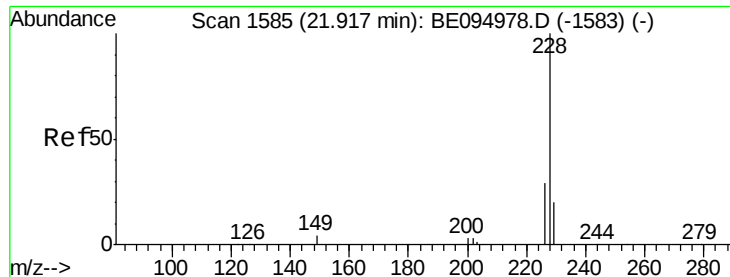
Ion Ratio Lower Upper

228 100

226 30.3 40.0 60.0#

229 24.0 40.0 60.0#





#31

Chrysene

Concen: 0.042 ng

RT: 21.90 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

ClientSampleId :

EB-2017-12-07

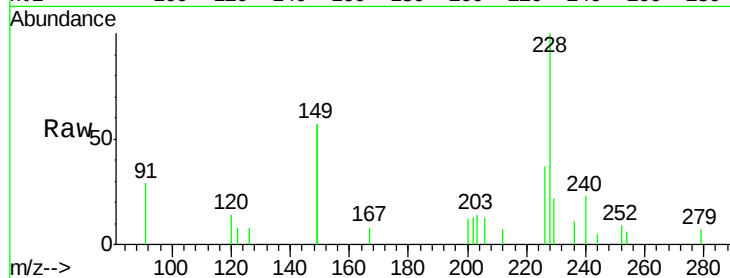
Tgt Ion:228 Resp: 2797

Ion Ratio Lower Upper

228 100

226 37.0 40.0 60.0#

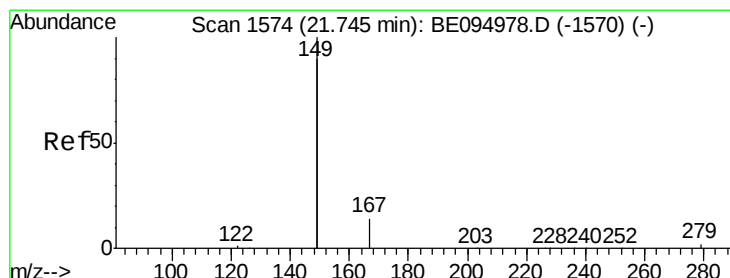
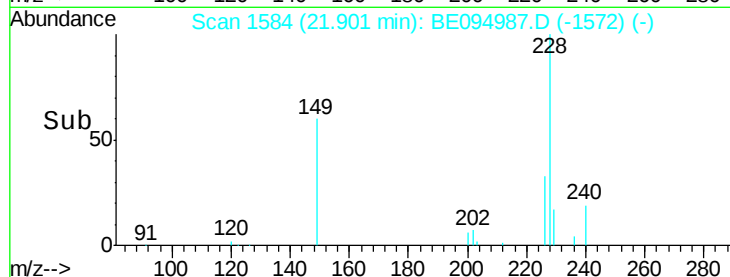
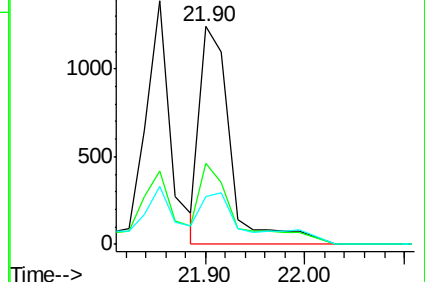
229 21.6 40.0 60.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.088 ng

RT: 21.73 min Scan# 1573

Delta R.T. -0.02 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

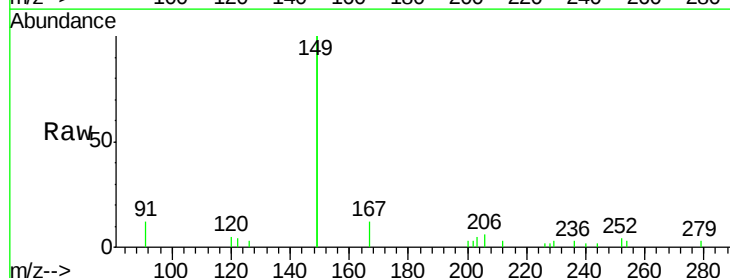
Tgt Ion:149 Resp: 6595

Ion Ratio Lower Upper

149 100

167 7.5 5.4 8.0

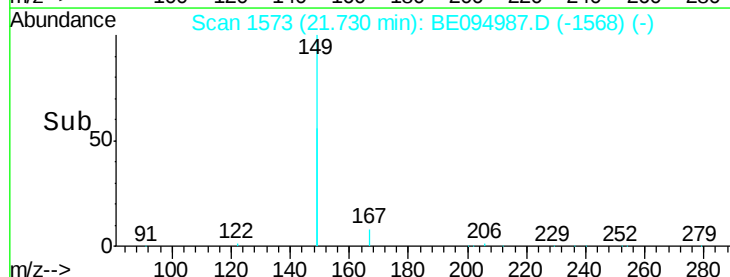
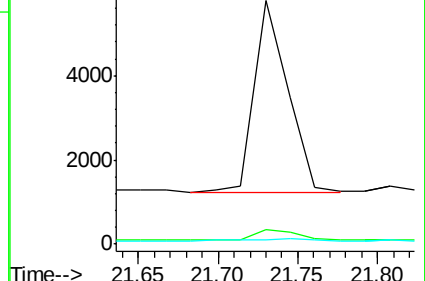
279 1.2 0.7 1.1#

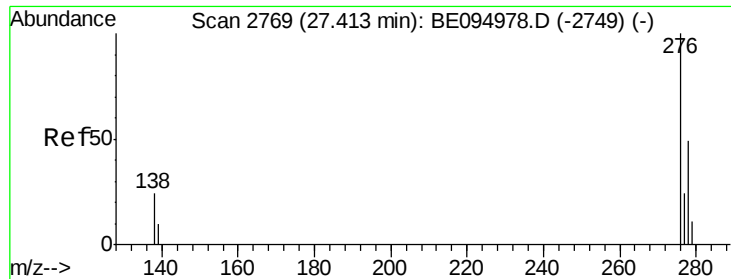


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.041 ng

RT: 27.40 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE094987.D

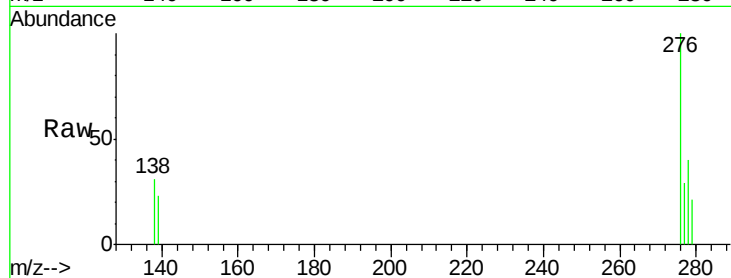
Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

ClientSampleId :

EB-2017-12-07



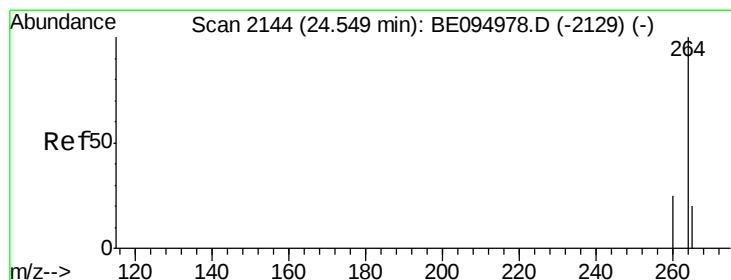
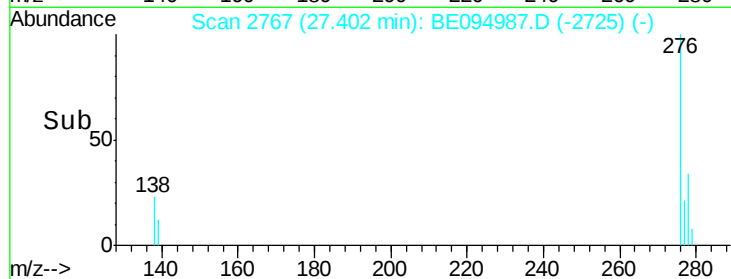
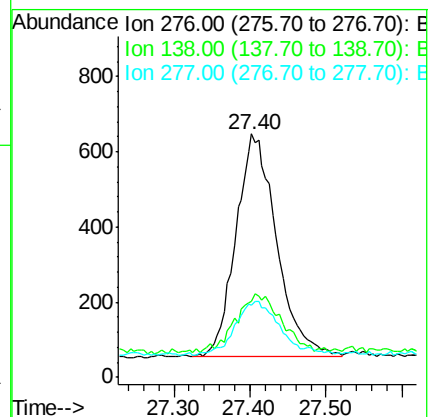
Tgt Ion:276 Resp: 2214

Ion Ratio Lower Upper

276 100

138 27.9 22.5 33.7

277 25.0 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.54 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

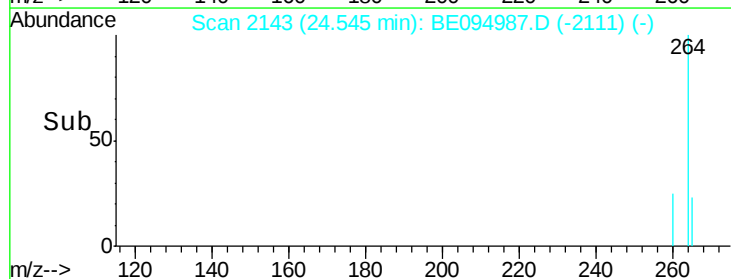
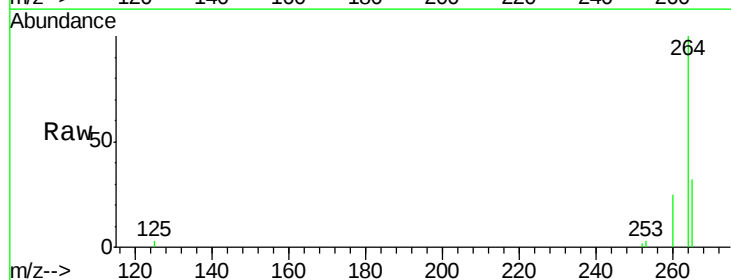
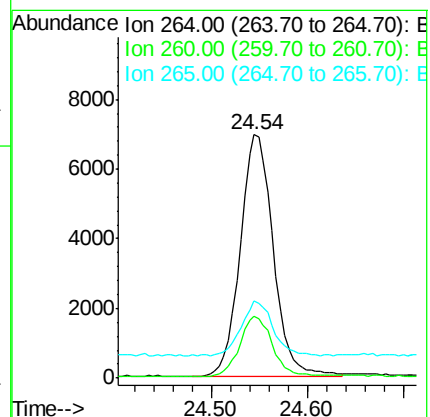
Tgt Ion:264 Resp: 16434

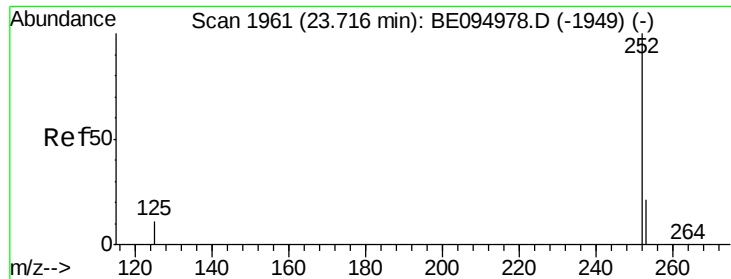
Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

265 31.8 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.038 ng

RT: 23.72 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

ClientSampleId :

EB-2017-12-07

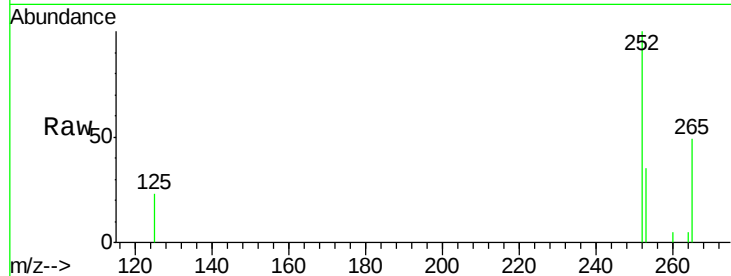
Tgt Ion:252 Resp: 2287

Ion Ratio Lower Upper

252 100

253 34.7 20.0 30.0#

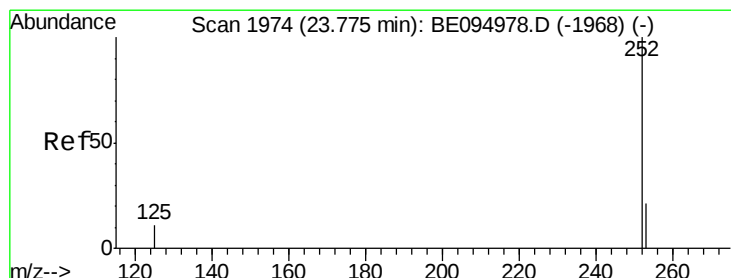
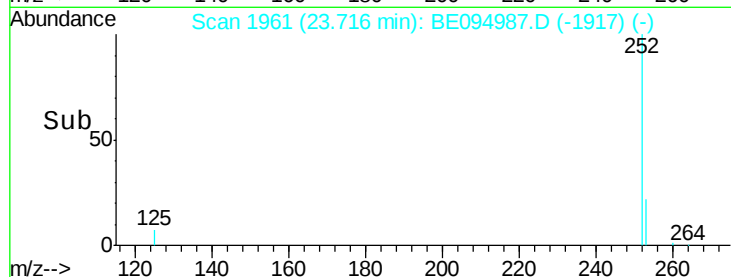
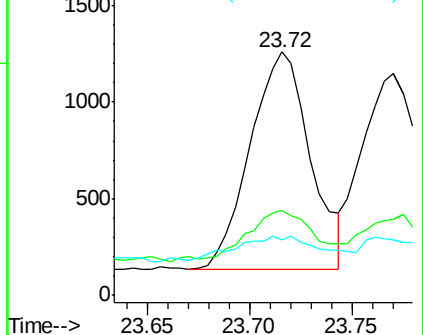
125 22.5 16.0 24.0



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: 0.034 ng

RT: 23.77 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

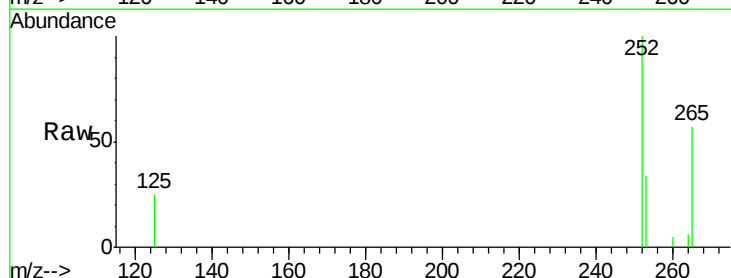
Tgt Ion:252 Resp: 2059

Ion Ratio Lower Upper

252 100

253 34.1 16.0 24.0#

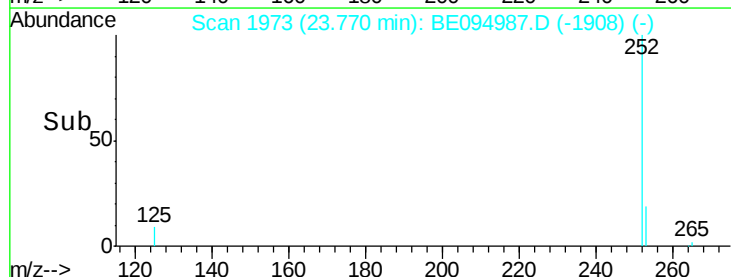
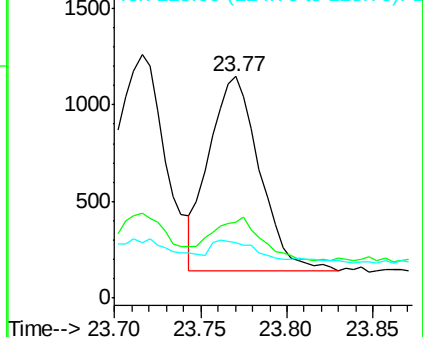
125 25.3 8.0 12.0#

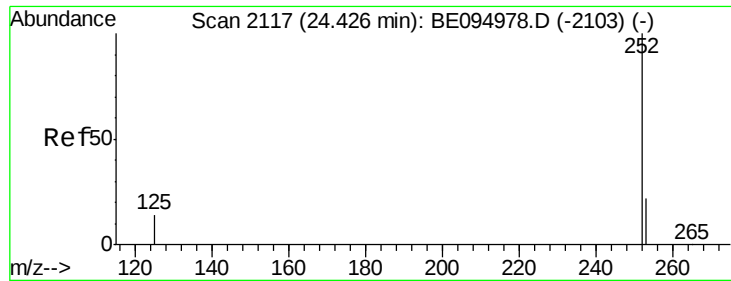


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.035 ng

RT: 24.42 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

ClientSampleId :

EB-2017-12-07

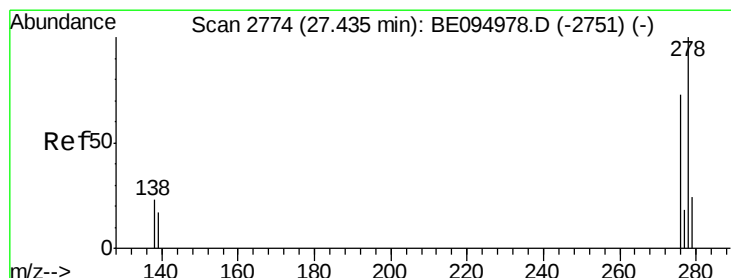
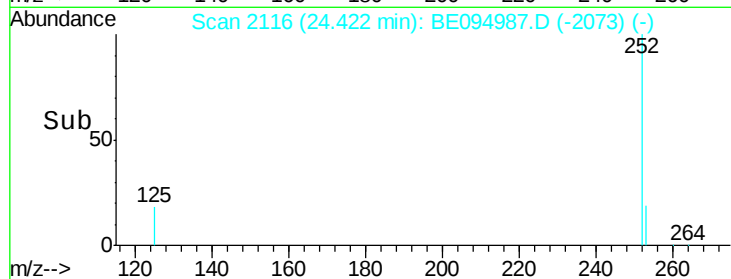
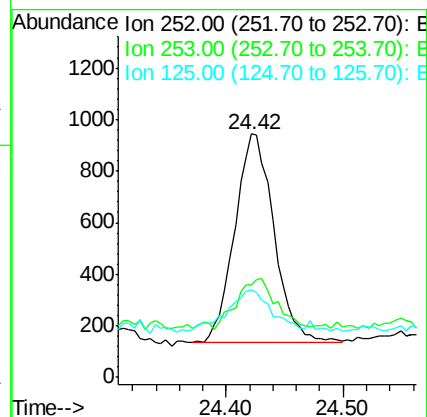
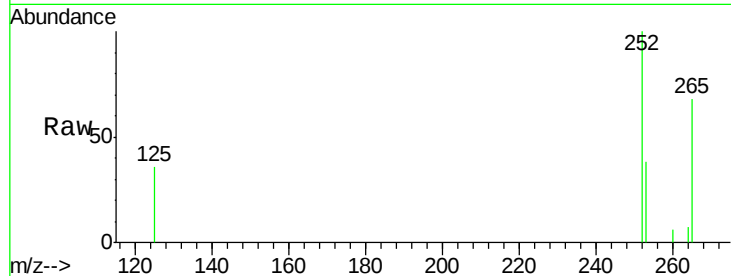
Tgt Ion:252 Resp: 1867

Ion Ratio Lower Upper

252 100

253 38.0 16.0 24.0#

125 35.8 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.034 ng

RT: 27.43 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BE094987.D

Acq: 14 Dec 2017 21:24

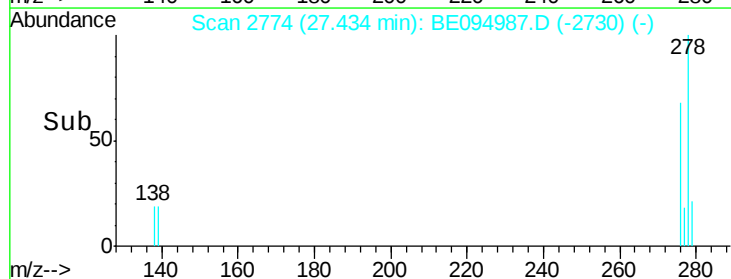
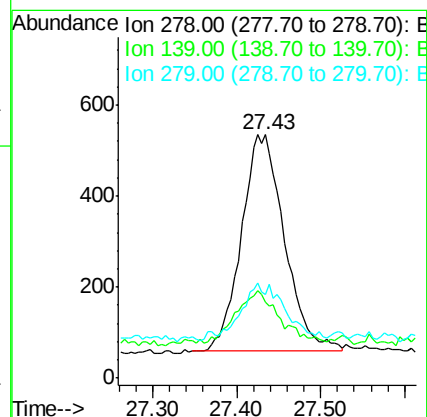
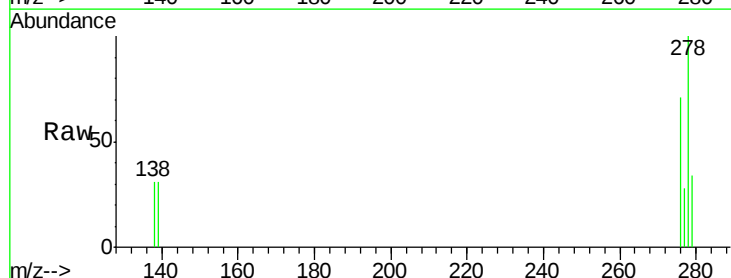
Tgt Ion:278 Resp: 1687

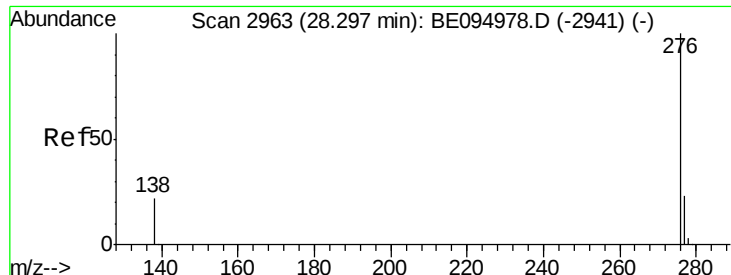
Ion Ratio Lower Upper

278 100

139 31.2 16.0 24.0#

279 34.4 20.0 30.0#





#39

Benzo(g,h,i)perylene

Concen: 0.039 ng

RT: 28.29 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BE094987.D

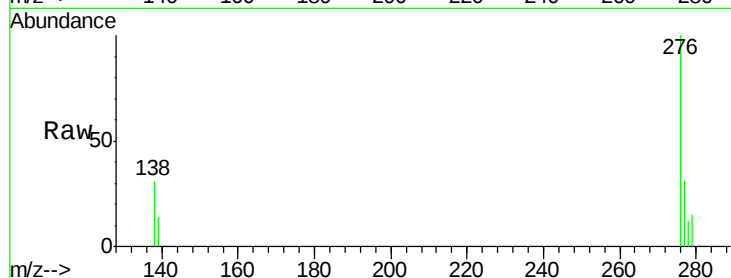
Acq: 14 Dec 2017 21:24

Instrument :

BNA_E

ClientSampleId :

EB-2017-12-07



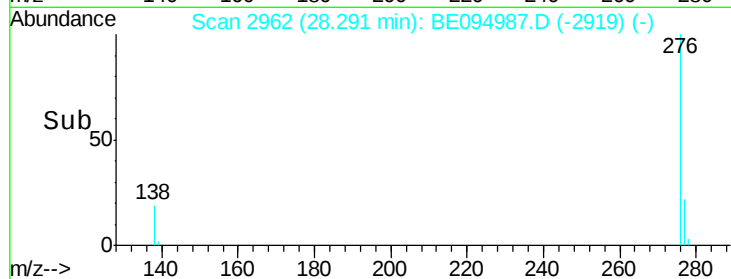
Tgt Ion: 276 Resp: 1920

Ion Ratio Lower Upper

276 100

277 31.1 16.0 24.0#

138 30.6 20.0 30.0#



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

