

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095845.D
 Acq On : 26 Mar 2018 18:01
 Operator : SJ/JU
 Sample : PB107516BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB107516BSD

Quant Time: Mar 27 05:42:07 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1468	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	5274	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2762	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	6034	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6282	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6533	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.91	112	1858	0.38	ng	0.00
5) Phenol-d6	7.56	99	2432	0.37	ng	0.00
8) Nitrobenzene-d5	9.59	82	2726	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2980	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	16.47	330	448	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.63	172	5526	0.47	ng	-0.01
25) Fluoranthene-d10	19.68	212	29145	0.33	ng	0.00
29) Terphenyl-d14	20.24	244	6856	0.51	ng	0.00

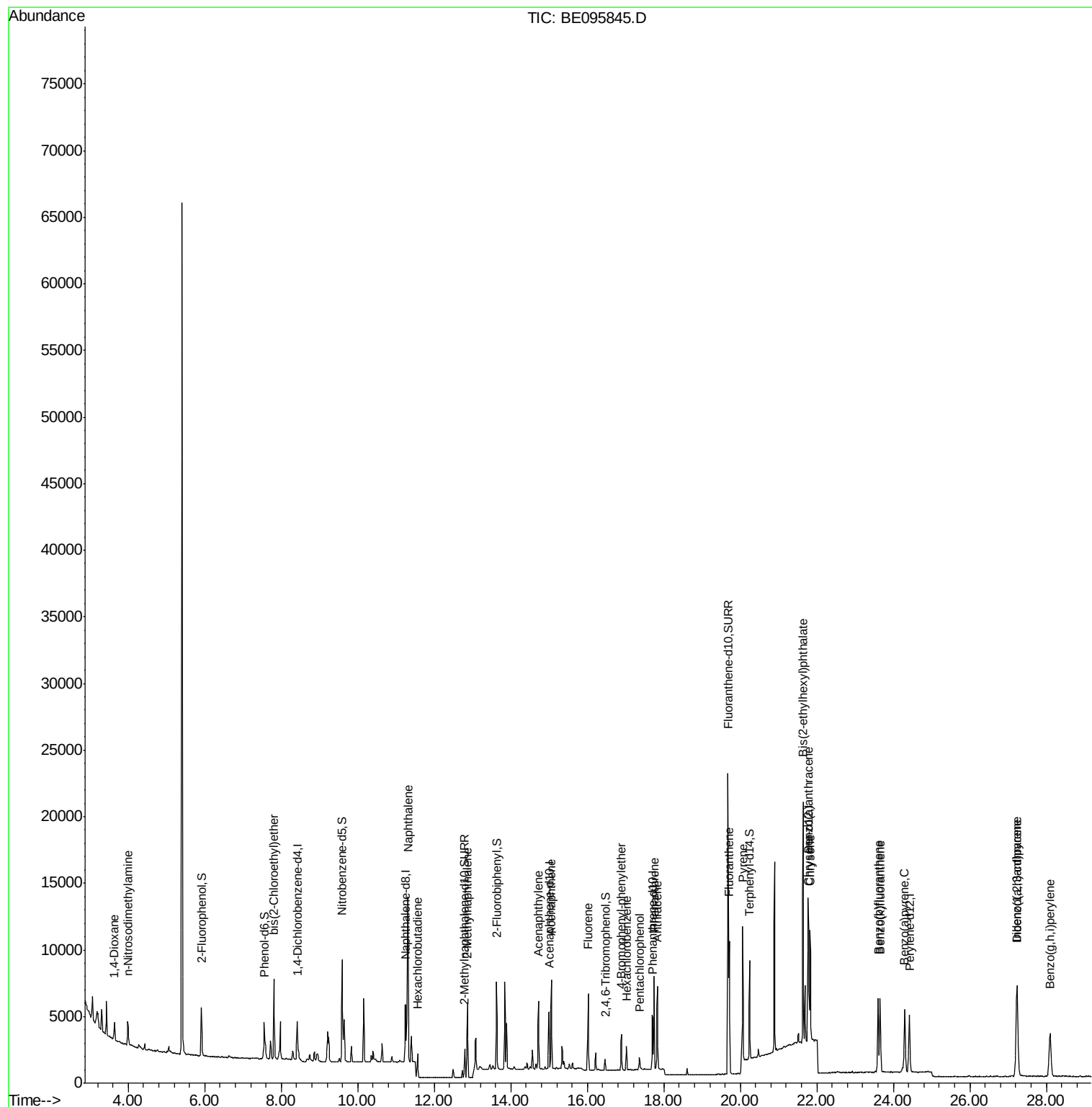
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.64	88	766	0.319	ng	# 35
3) n-Nitrosodimethylamine	3.98	42	1189	0.337	ng	# 86
6) bis(2-Chloroethyl)ether	7.81	93	2064	0.360	ng	94
9) Naphthalene	11.31	128	22606	0.375	ng	100
10) Hexachlorobutadiene	11.56	225	1536	0.371	ng	97
12) 2-Methylnaphthalene	12.86	142	3773	0.367	ng	94
16) Acenaphthylene	14.73	152	5636	0.357	ng	99
17) Acenaphthene	15.06	154	3229	0.335	ng	93
18) Fluorene	16.02	166	4183	0.330	ng	# 77
20) 4-Bromophenyl-phenylether	16.89	248	1357	0.374	ng	# 81
21) Hexachlorobenzene	17.02	284	1349	0.372	ng	# 81
22) Pentachlorophenol	17.36	266	557	0.538	ng	# 74
23) Phenanthrene	17.74	178	6774	0.375	ng	98
24) Anthracene	17.84	178	6723	0.372	ng	96
26) Fluoranthene	19.71	202	8717	0.347	ng	98
28) Pyrene	20.06	202	10768	0.421	ng	94
30) Benzo(a)anthracene	21.78	228	8529	0.392	ng	97
31) Chrysene	21.83	228	8000	0.402	ng	97
32) Bis(2-ethylhexyl)phthalate	21.64	149	21571	0.324	ng	99
33) Indeno(1,2,3-cd)pyrene	27.22	276	9507	0.444	ng	95
35) Benzo(b)fluoranthene	23.60	252	8112	0.375	ng	# 93
36) Benzo(k)fluoranthene	23.66	252	8268	0.382	ng	# 91
37) Benzo(a)pyrene	24.30	252	7964	0.393	ng	# 93
38) Dibenzo(a,h)anthracene	27.24	278	7952	0.413	ng	97
39) Benzo(g,h,i)perylene	28.09	276	8018	0.415	ng	# 91

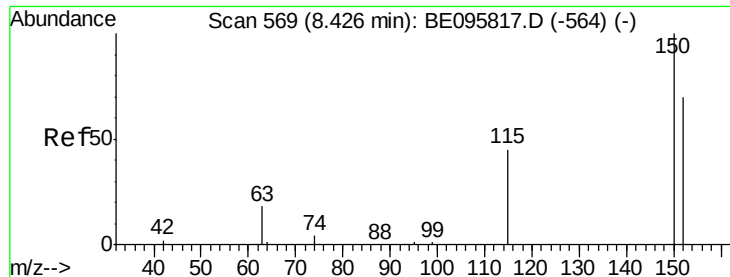
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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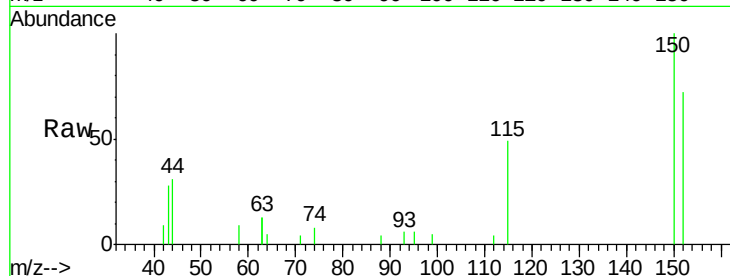


#1

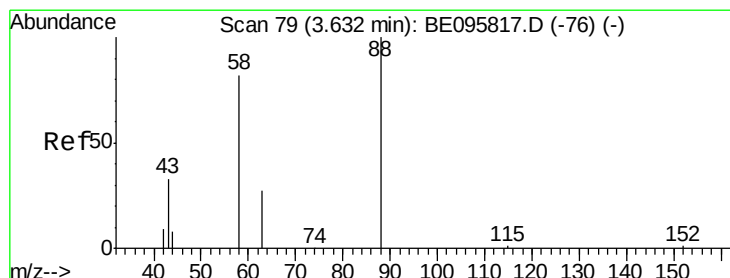
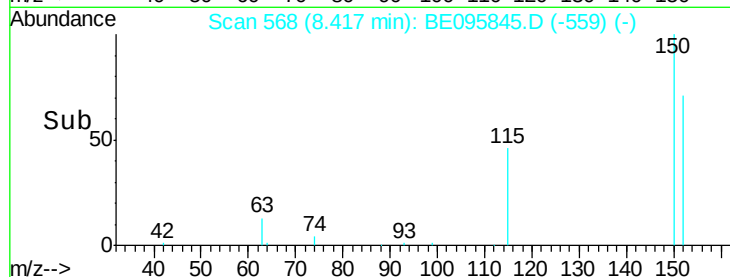
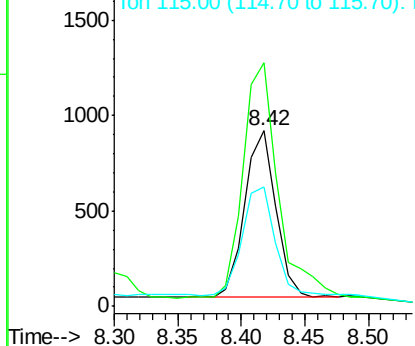
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

Instrument :
BNA_E
ClientSampleId :
PB107516BSD

Tot Ion:152 Resp: 1468
Ion Ratio Lower Upper
152 100
150 139.0 117.2 175.8
115 68.4 57.0 85.6



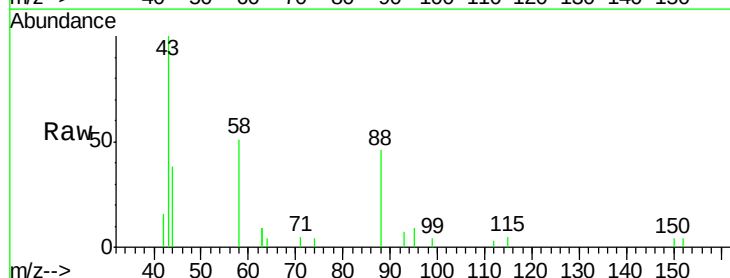
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



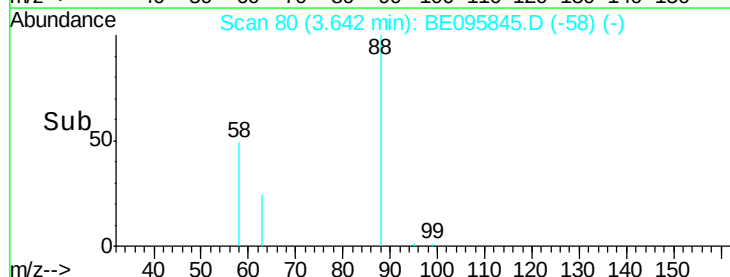
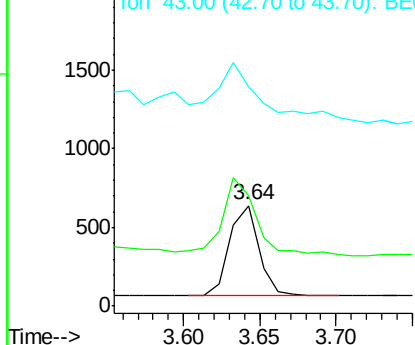
#2

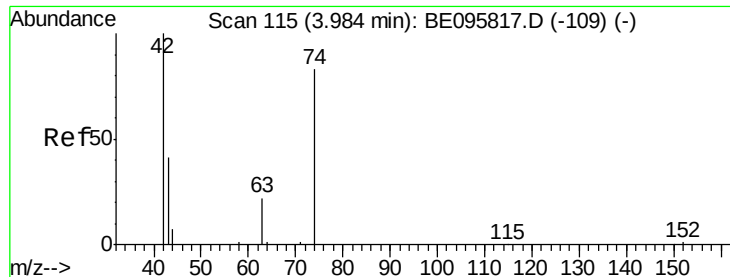
1,4-Dioxane
Concen: 0.319 ng
RT: 3.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

Tgt Ion: 88 Resp: 766
Ion Ratio Lower Upper
88 100
58 102.6 63.2 94.8#
43 137.9 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



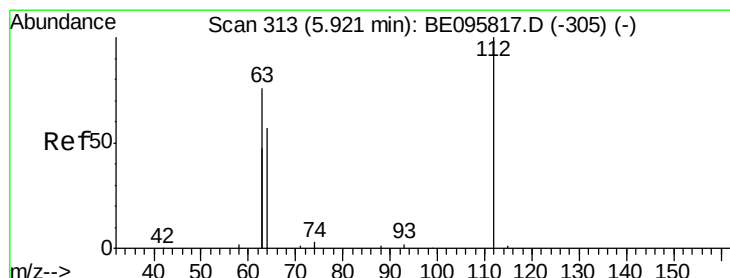
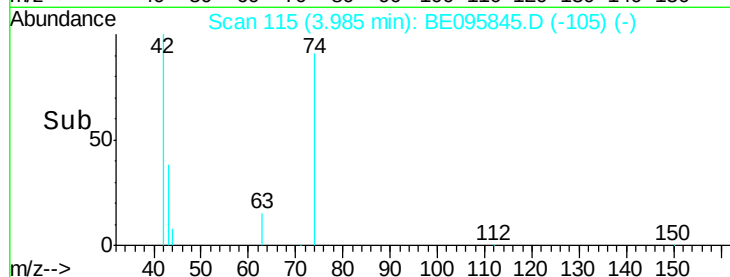
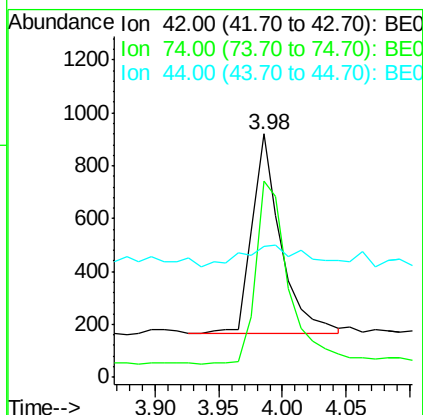
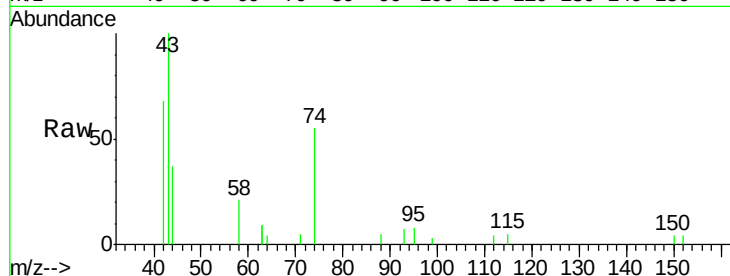


#3

n-Nitrosodimethylamine
 Concen: 0.337 ng
 RT: 3.98 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095845.D
 Acq: 26 Mar 2018 18:01

Instrument :
 BNA_E
 ClientSampleId :
 PB107516BSD

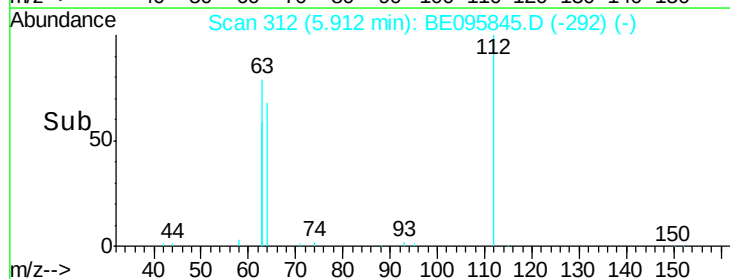
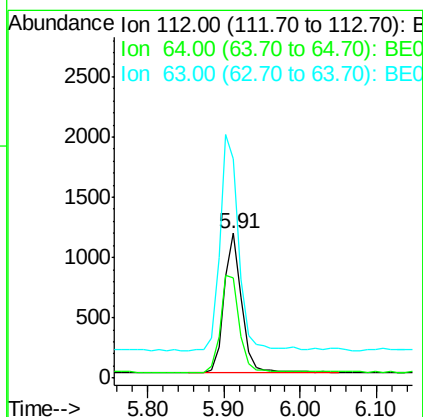
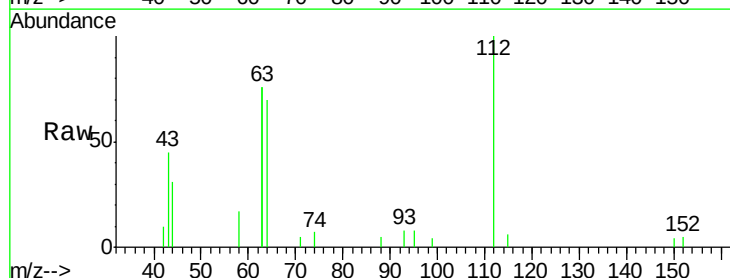
Tot Ion: 42 Resp: 1189
 Ion Ratio Lower Upper
 42 100
 74 104.3 96.0 144.0
 44 22.0 12.0 18.0#

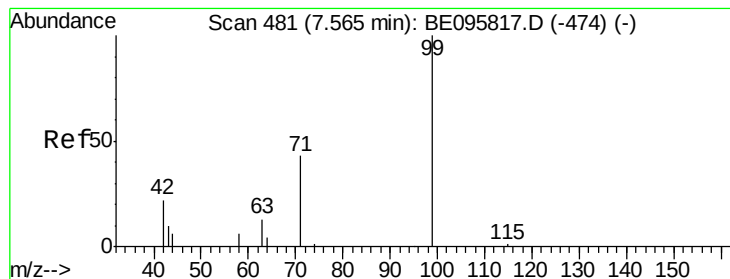


#4

2-Fluorophenol
 Concen: 0.384 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095845.D
 Acq: 26 Mar 2018 18:01

Tgt Ion: 112 Resp: 1858
 Ion Ratio Lower Upper
 112 100
 64 75.9 60.1 90.1
 63 162.3 116.8 175.2





#5

Phenol-d6

Concen: 0.365 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

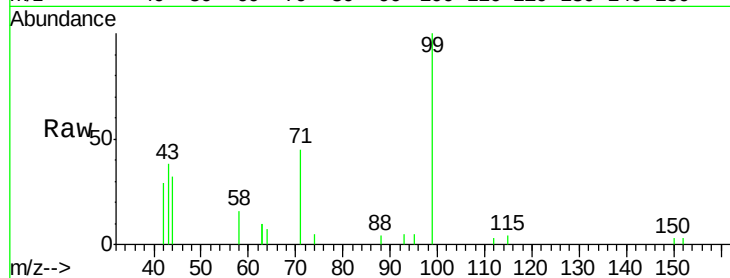
Tot Ion: 99 Resp: 2432

Ion Ratio Lower Upper

99 100

42 26.1 20.2 30.2

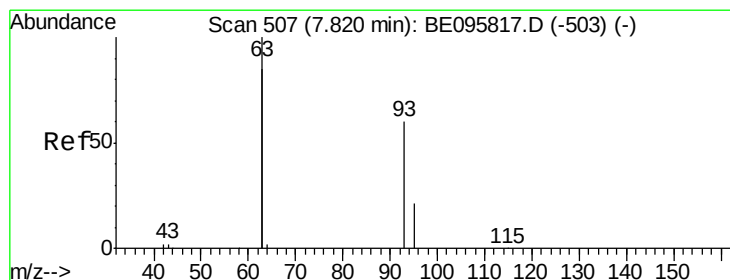
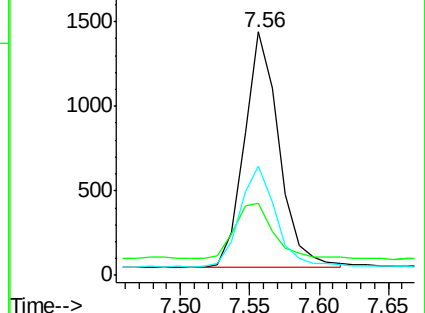
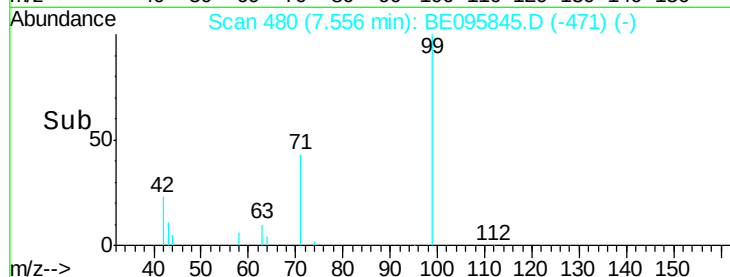
71 43.9 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.360 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

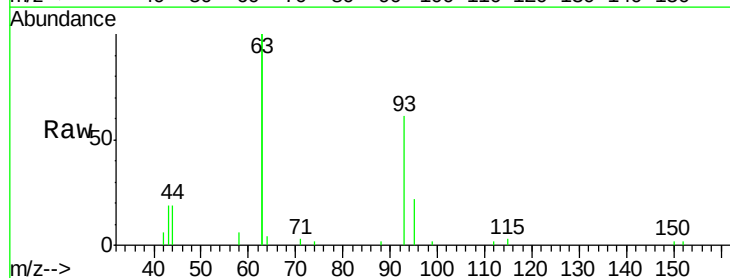
Tgt Ion: 93 Resp: 2064

Ion Ratio Lower Upper

93 100

63 330.0 275.3 412.9

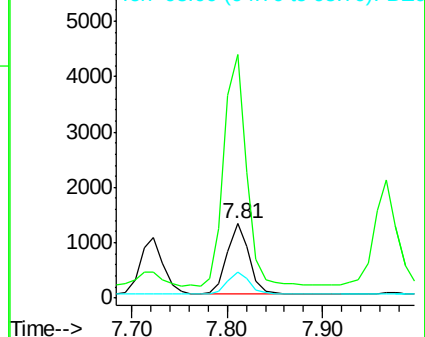
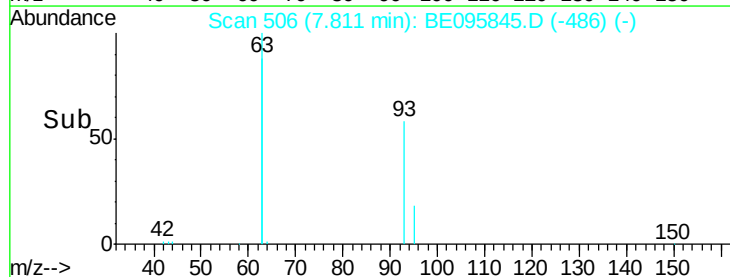
95 31.9 25.2 37.8

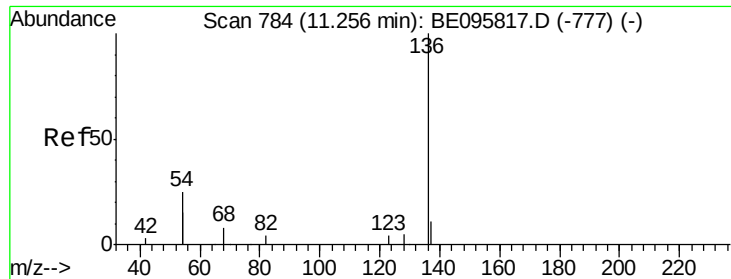


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

Tot Ion:136 Resp: 5274

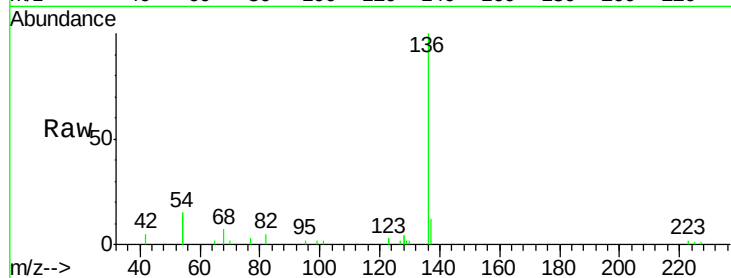
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 30.8 29.1 43.7

68 6.6 6.2 9.2

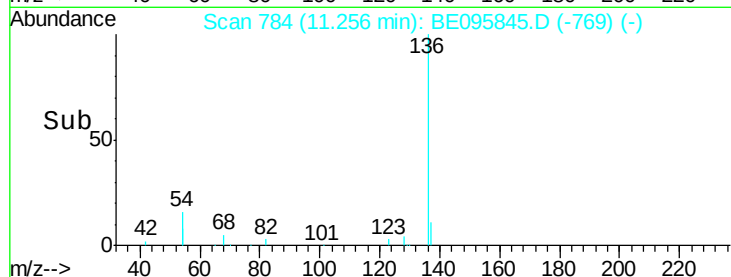


Abundance Ion 136.00 (135.70 to 136.70): E

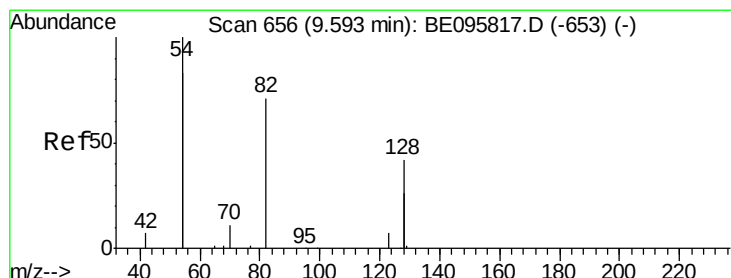
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.438 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

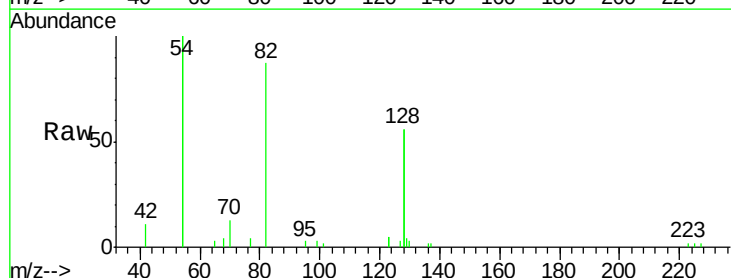
Tgt Ion: 82 Resp: 2726

Ion Ratio Lower Upper

82 100

128 129.0 150.0 225.0#

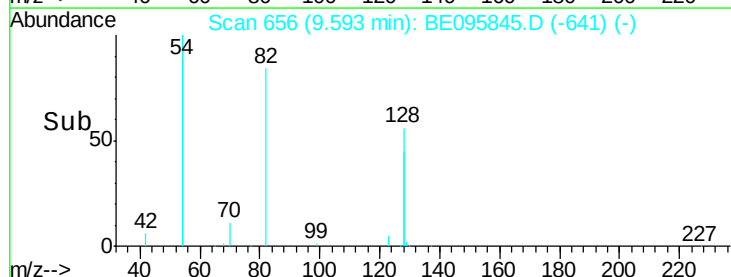
54 229.0 154.2 231.4



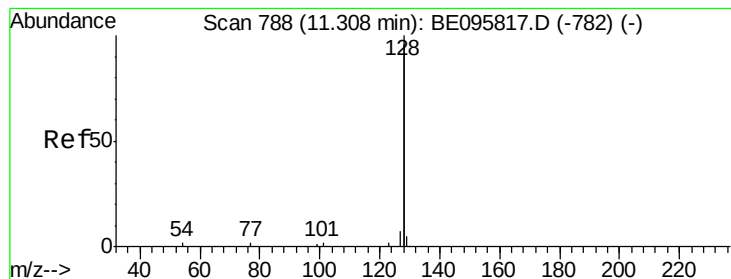
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.375 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

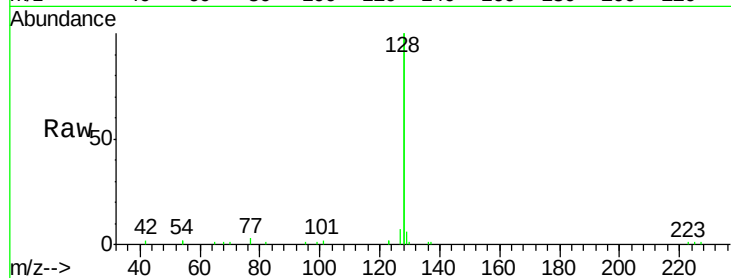
Tot Ion:128 Resp: 22606

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

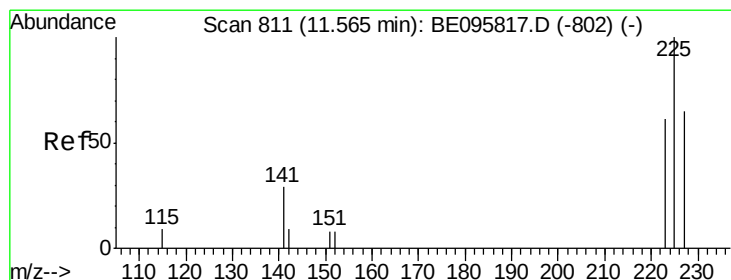
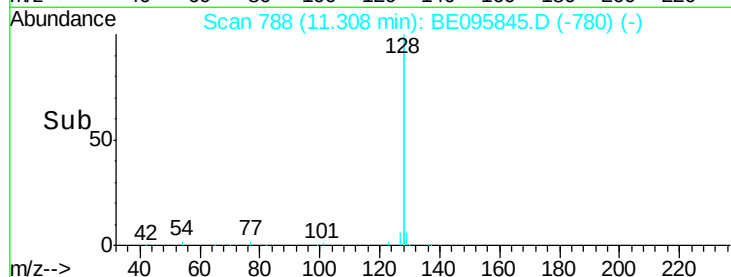
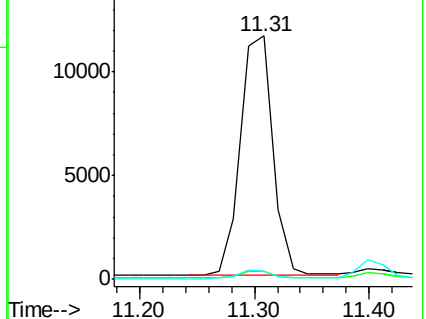
127 3.4 2.8 4.2



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: 0.371 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

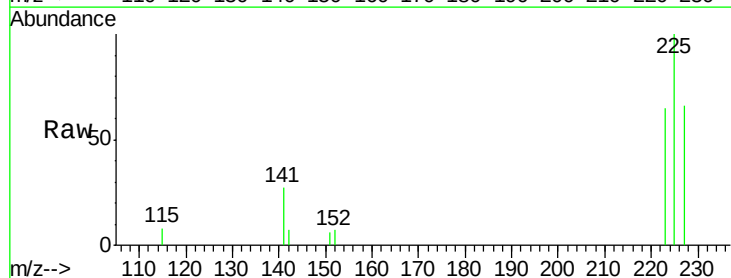
Tgt Ion:225 Resp: 1536

Ion Ratio Lower Upper

225 100

223 63.3 53.0 79.6

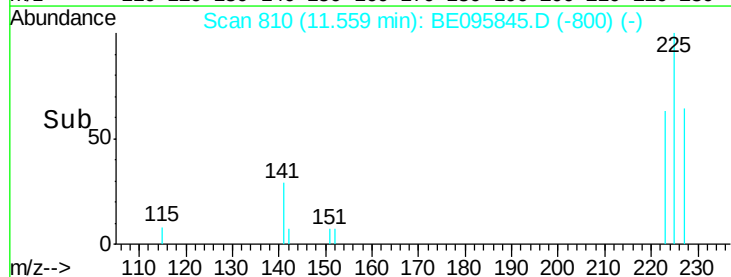
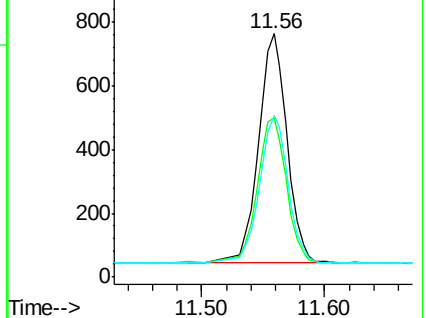
227 62.0 51.4 77.2

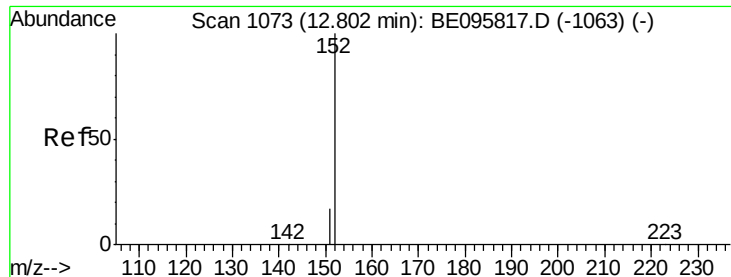


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

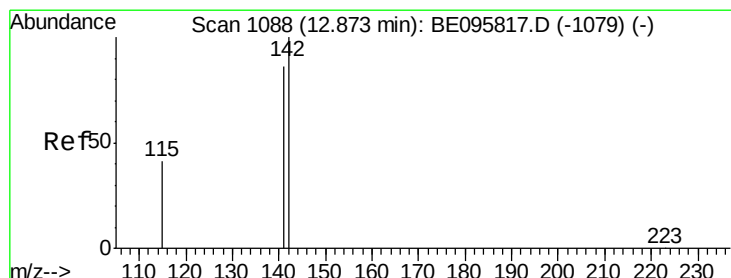
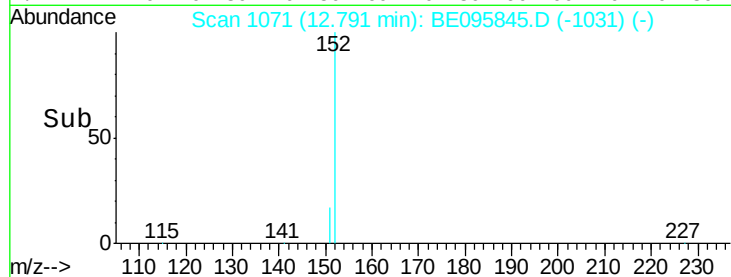
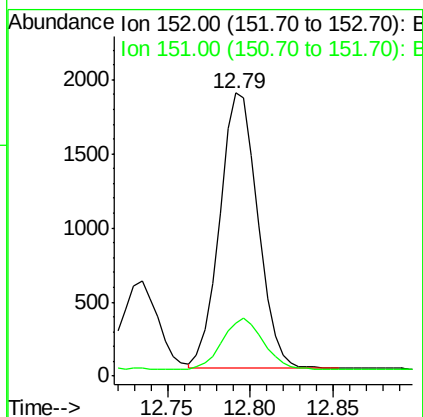
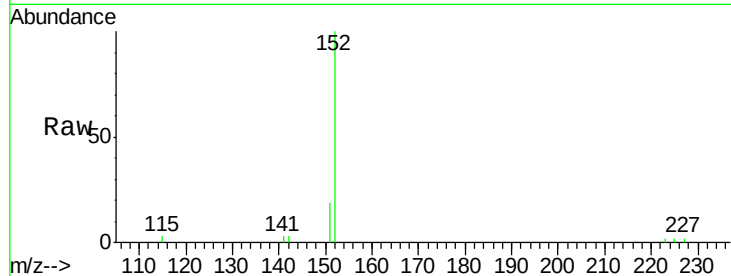




#11
 2-Methylnaphthalene-d10
 Concen: 0.339 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095845.D
 Acq: 26 Mar 2018 18:01

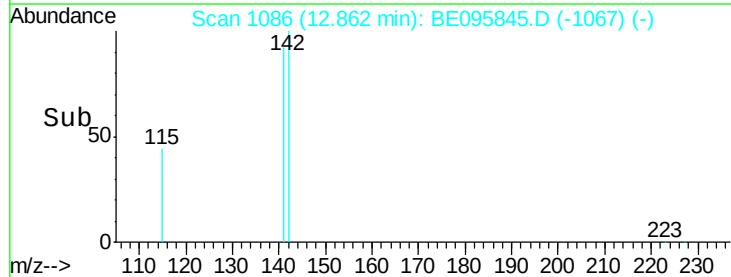
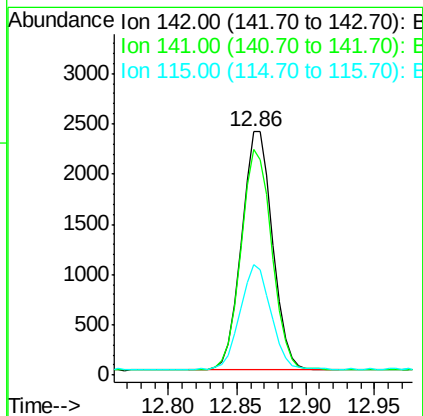
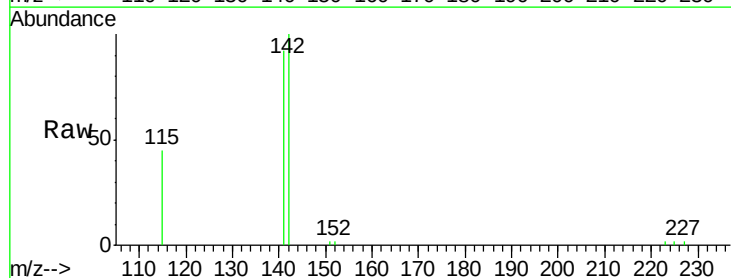
Instrument :
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 PB107516BSD

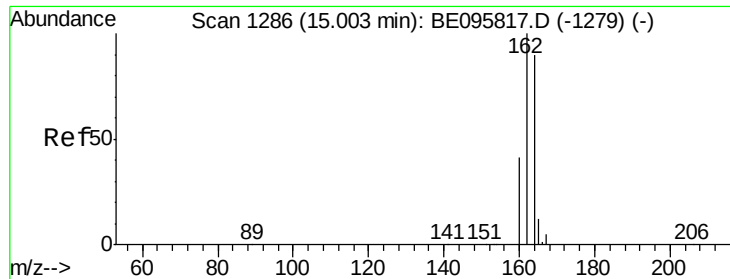
Tot Ion:152 Resp: 2980
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.367 ng
 RT: 12.86 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE095845.D
 Acq: 26 Mar 2018 18:01

Tgt Ion:142 Resp: 3773
 Ion Ratio Lower Upper
 142 100
 141 92.5 70.4 105.6
 115 45.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

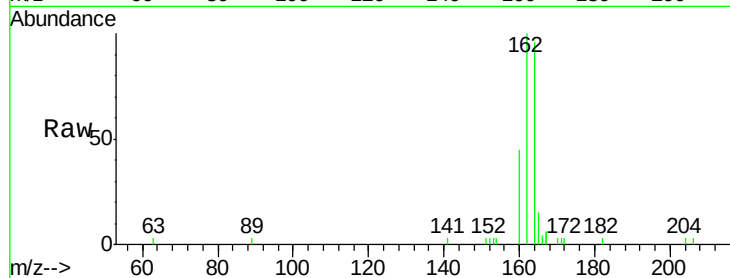
Tot Ion:164 Resp: 2762

Ion Ratio Lower Upper

164 100

162 104.4 83.1 124.7

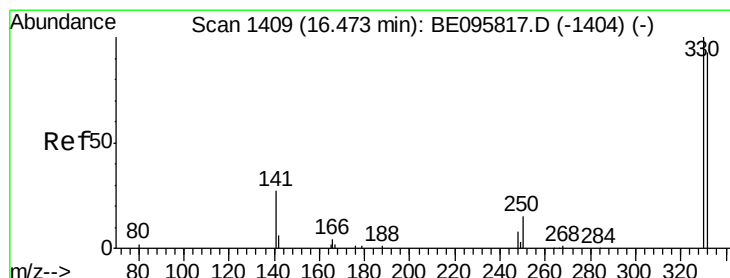
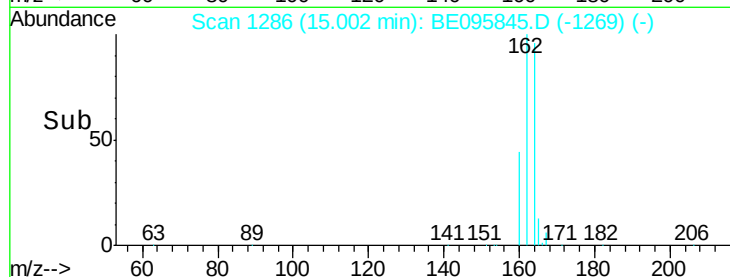
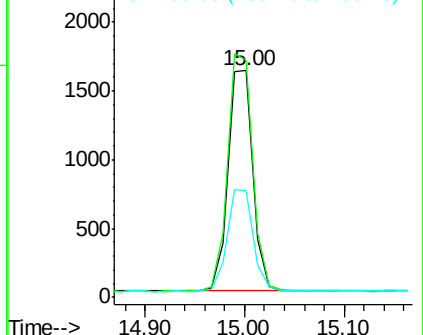
160 47.1 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.281 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

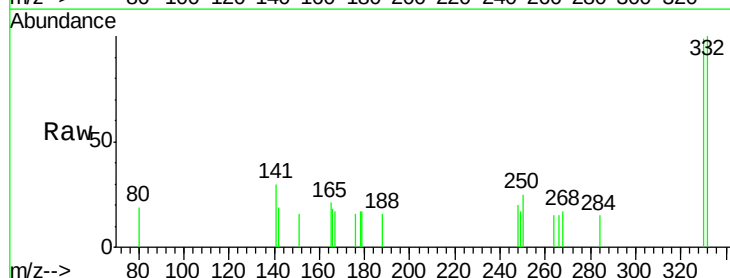
Tgt Ion:330 Resp: 448

Ion Ratio Lower Upper

330 100

332 99.8 152.7 229.1#

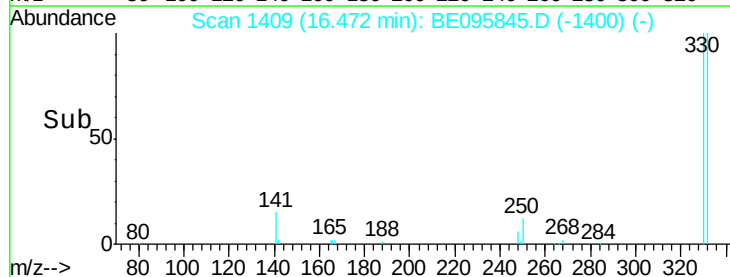
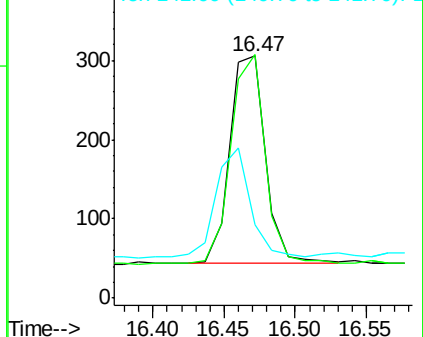
141 52.7 33.7 50.5#

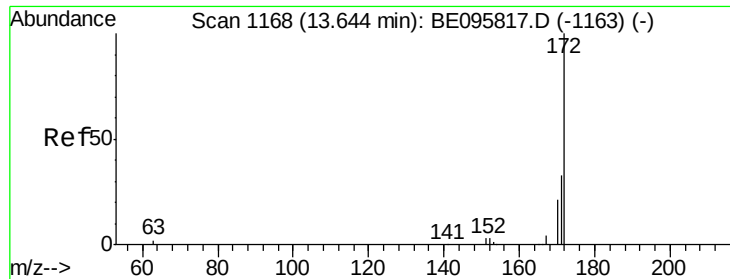


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

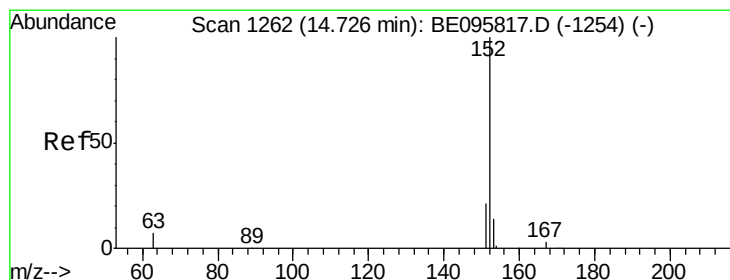
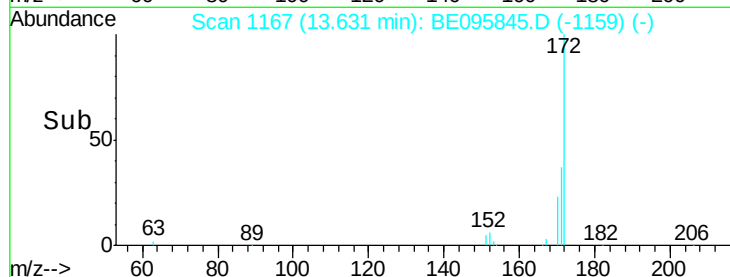
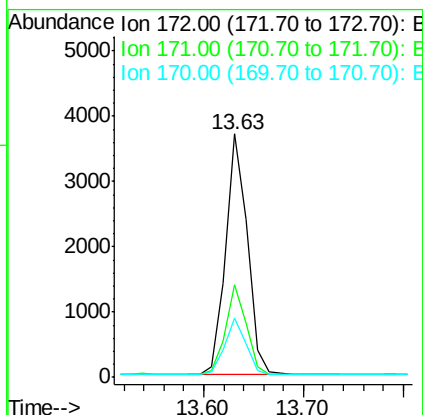
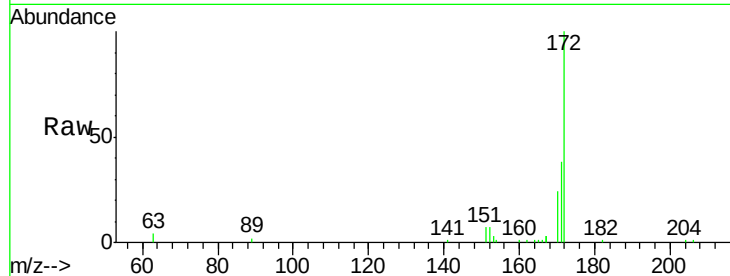




#15
2-Fluorobiphenyl
Concen: 0.475 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

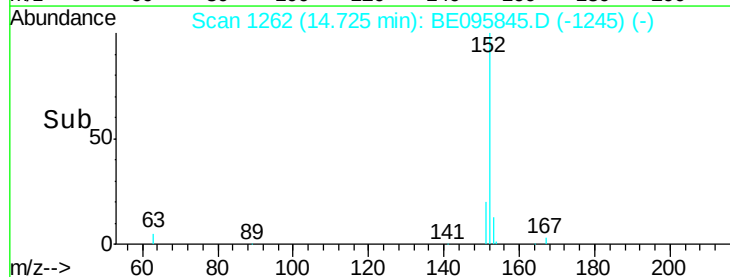
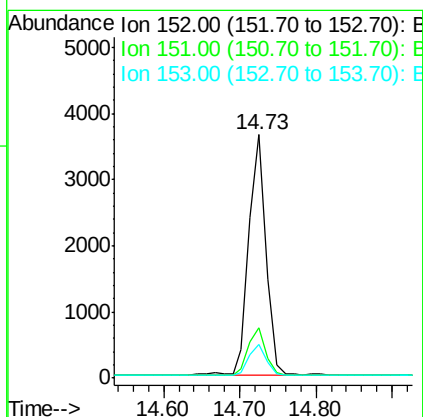
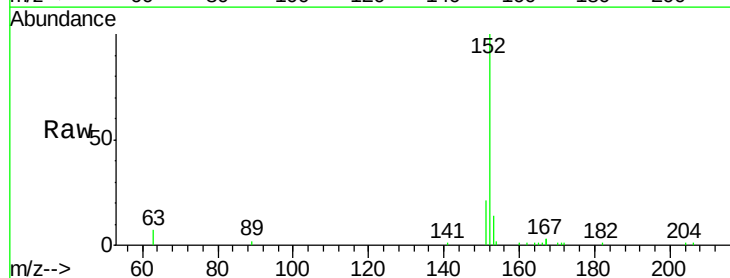
Instrument :
BNA_E
ClientSampleId :
PB107516BSD

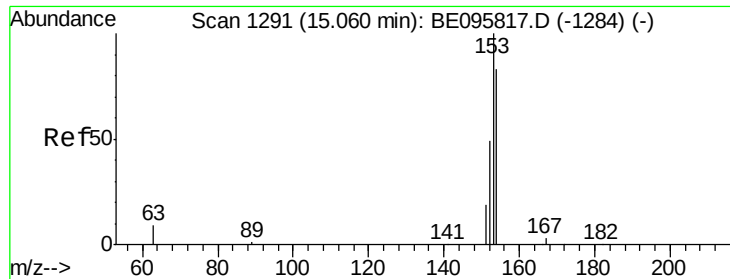
Tot Ion:172 Resp: 5526
Ion Ratio Lower Upper
172 100
171 38.3 29.9 44.9
170 24.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.357 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

Tgt Ion:152 Resp: 5636
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 12.7 10.5 15.7

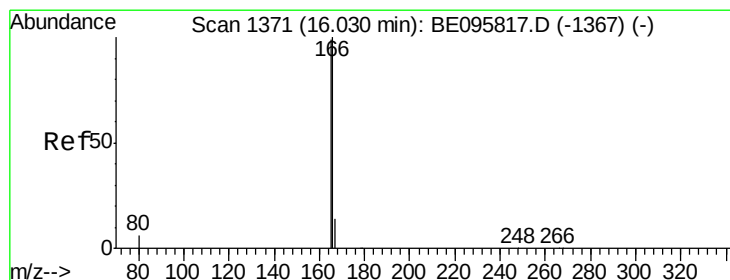
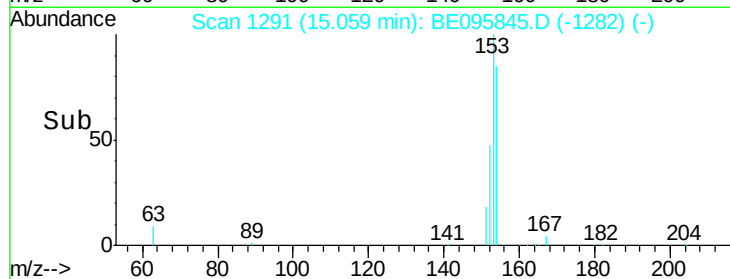
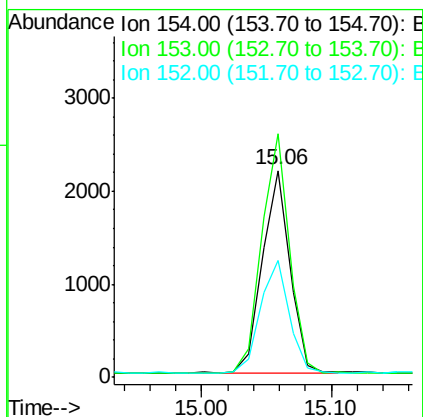
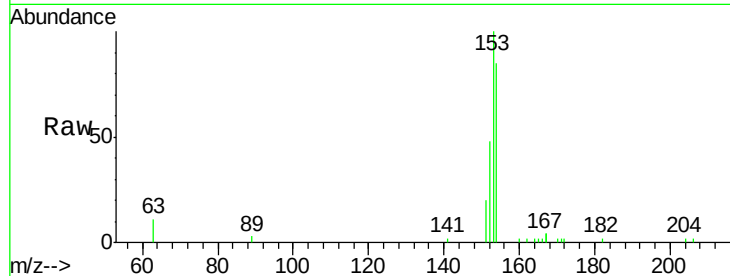




#17
Acenaphthene
Concen: 0.335 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

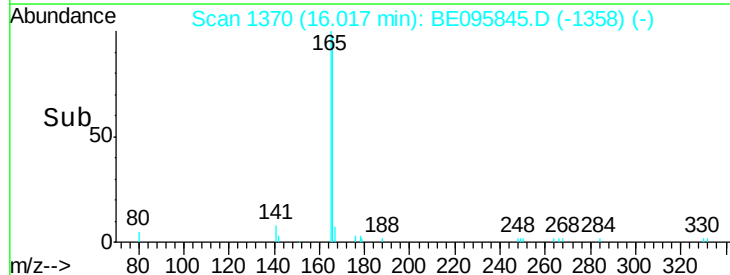
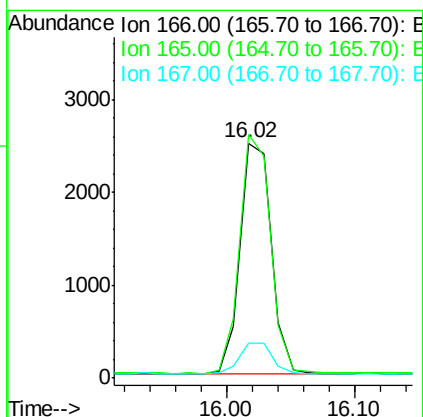
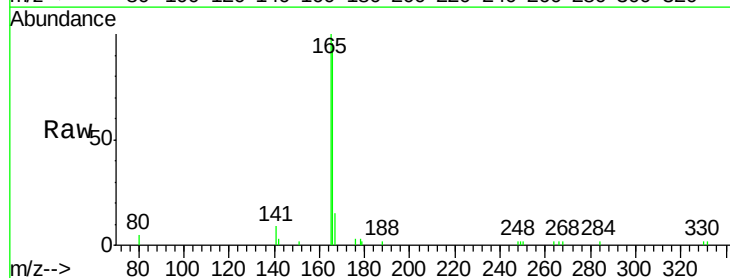
Instrument :
BNA_E
ClientSampleId :
PB107516BSD

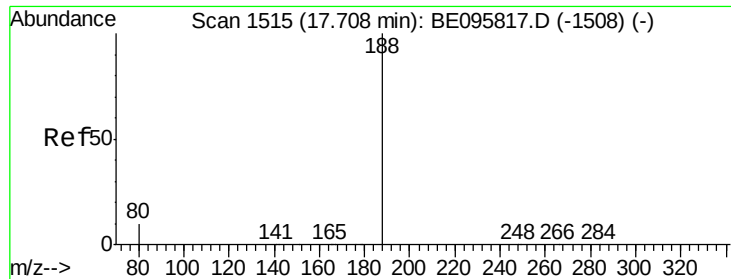
Tot Ion:154 Resp: 3229
Ion Ratio Lower Upper
154 100
153 119.2 89.2 133.8
152 57.7 42.0 63.0



#18
Fluorene
Concen: 0.330 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

Tgt Ion:166 Resp: 4183
Ion Ratio Lower Upper
166 100
165 102.6 77.8 116.6
167 14.3 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

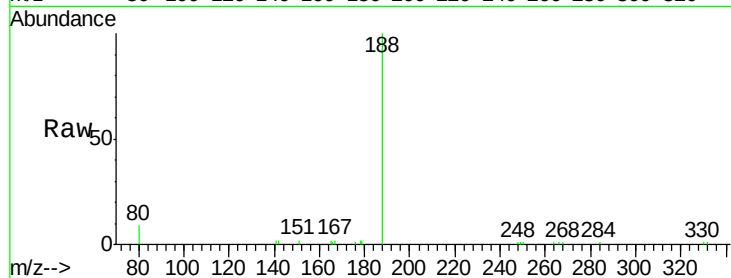
Tot Ion:188 Resp: 6034

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

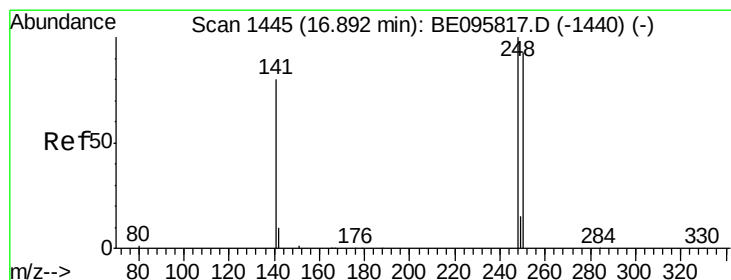
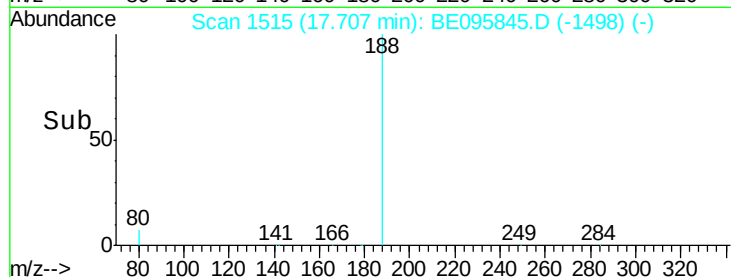
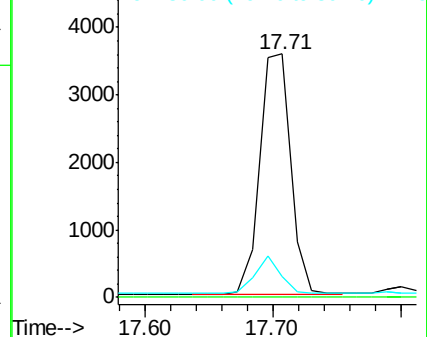
80 8.6 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.374 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

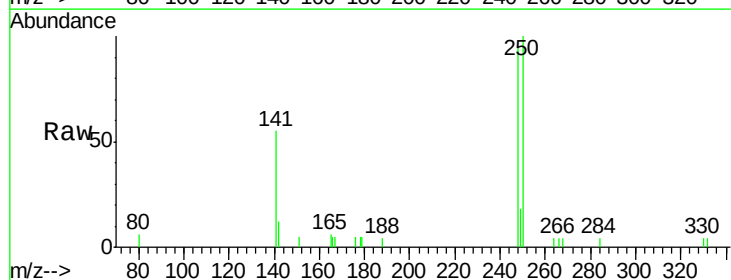
Tgt Ion:248 Resp: 1357

Ion Ratio Lower Upper

248 100

250 104.8 62.7 94.1#

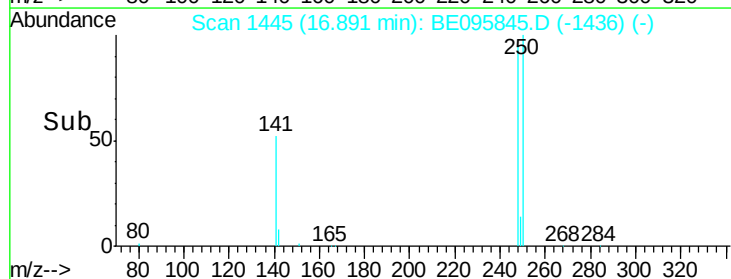
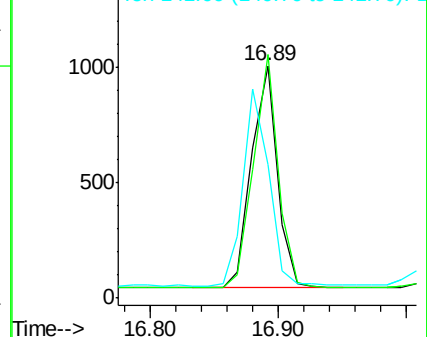
141 57.4 48.2 72.2

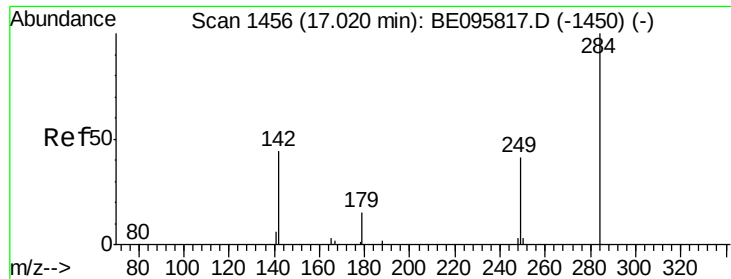


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

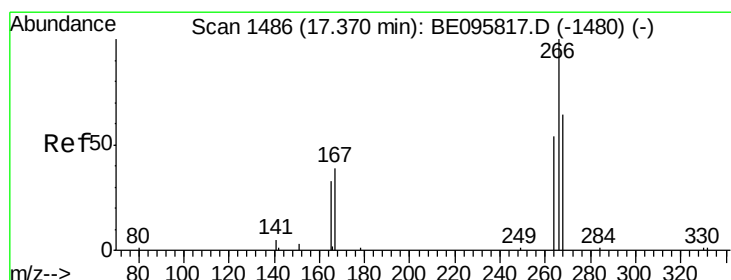
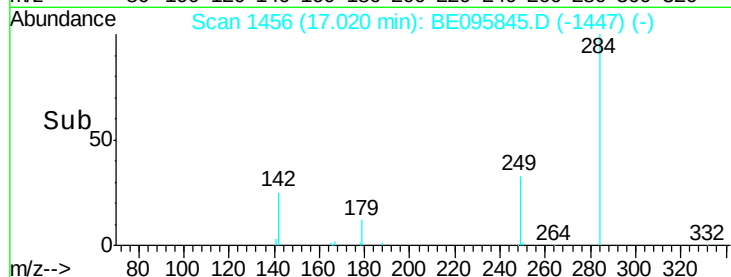
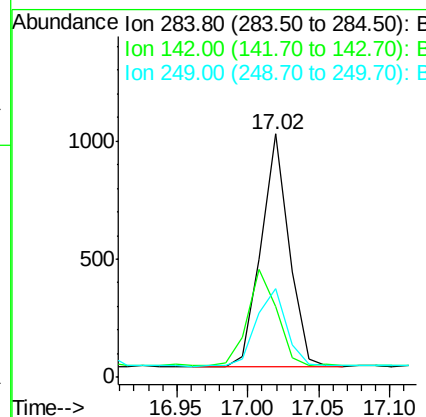
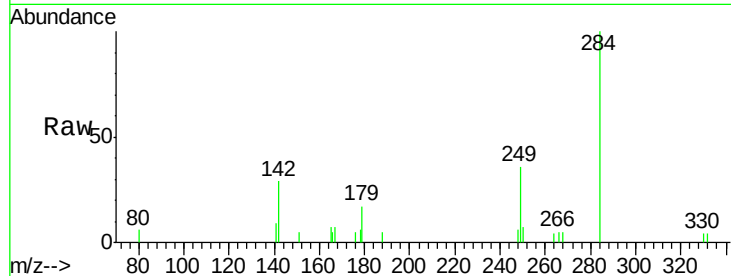




#21
Hexachlorobenzene
Concen: 0.372 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

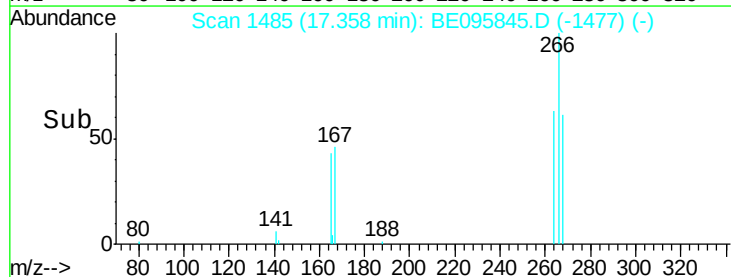
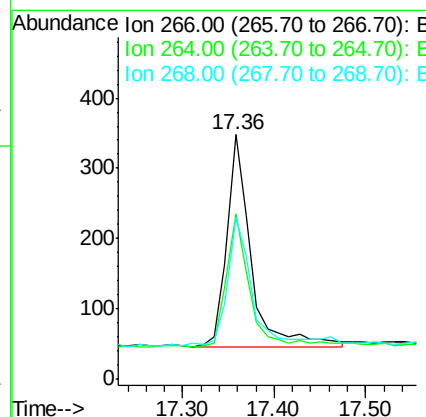
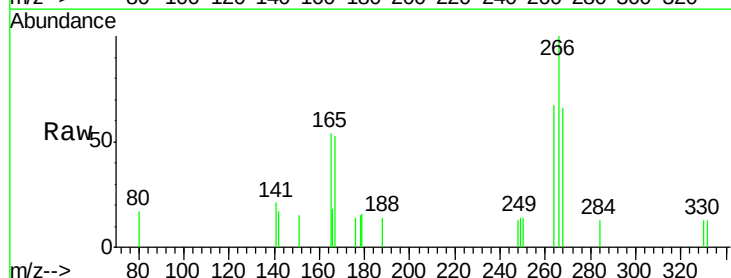
Instrument :
BNA_E
ClientSampleId :
PB107516BSD

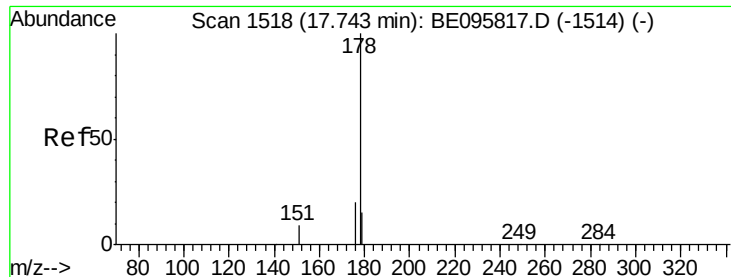
Tot Ion:284 Resp: 1349
Ion Ratio Lower Upper
284 100
142 43.1 22.1 33.1#
249 36.0 34.8 52.2



#22
Pentachlorophenol
Concen: 0.538 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

Tgt Ion:266 Resp: 557
Ion Ratio Lower Upper
266 100
264 67.2 72.5 108.7#
268 66.1 73.8 110.6#

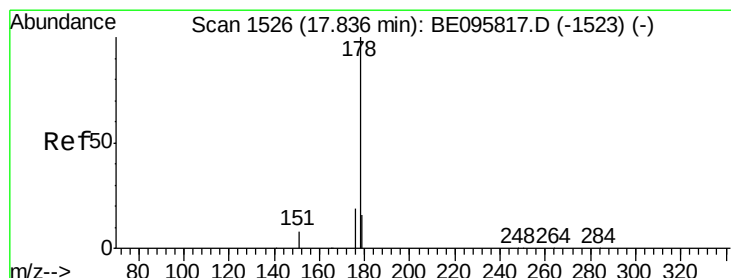
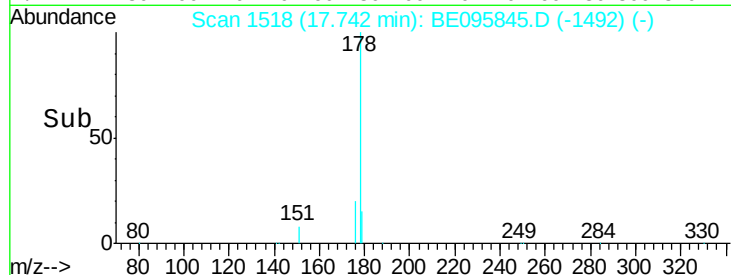
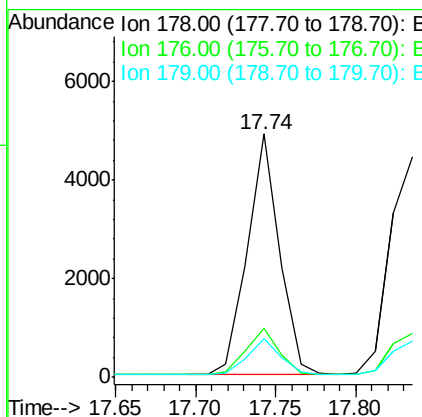
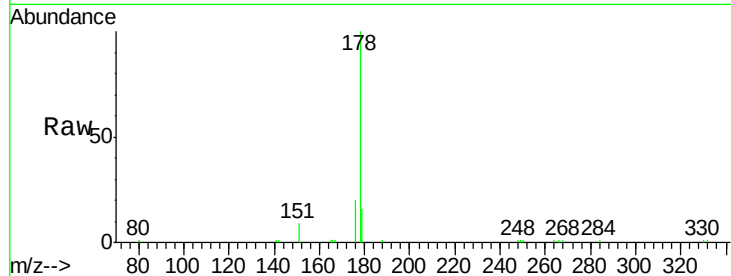




#23
Phenanthrene
Concen: 0.375 ng
RT: 17.74 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

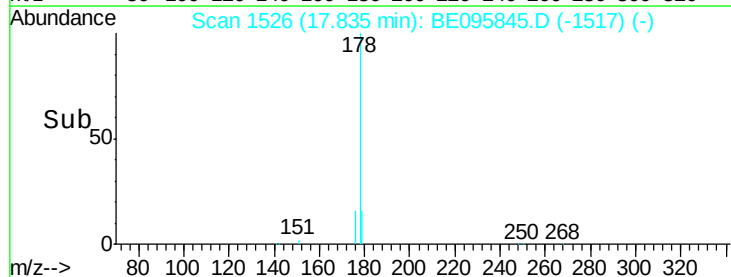
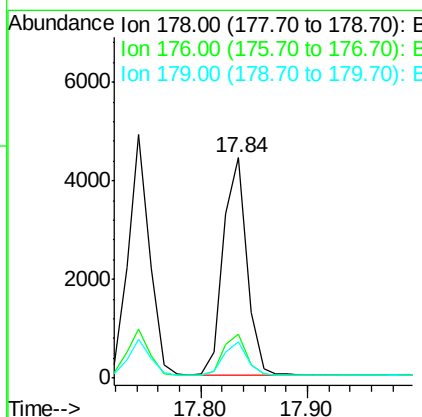
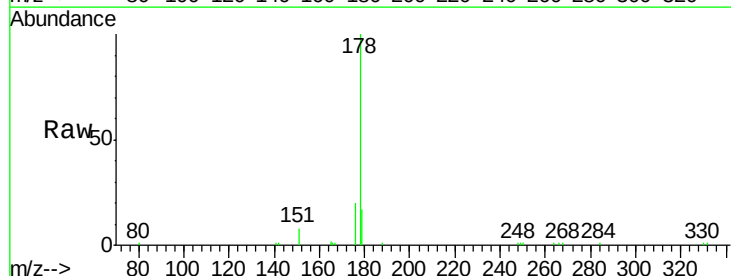
Instrument :
BNA_E
ClientSampleId :
PB107516BSD

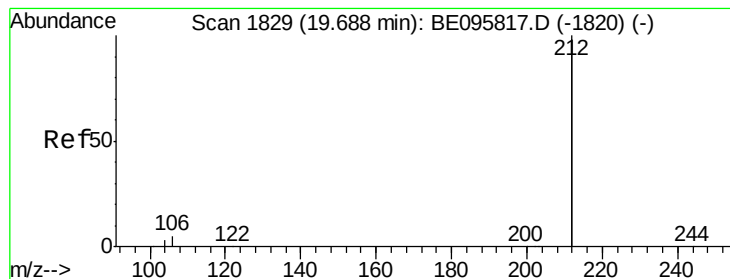
Tot Ion:178 Resp: 6774
Ion Ratio Lower Upper
178 100
176 19.8 15.1 22.7
179 15.0 11.8 17.6



#24
Anthracene
Concen: 0.372 ng
RT: 17.84 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

Tgt Ion:178 Resp: 6723
Ion Ratio Lower Upper
178 100
176 18.9 12.8 19.2
179 15.5 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.325 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

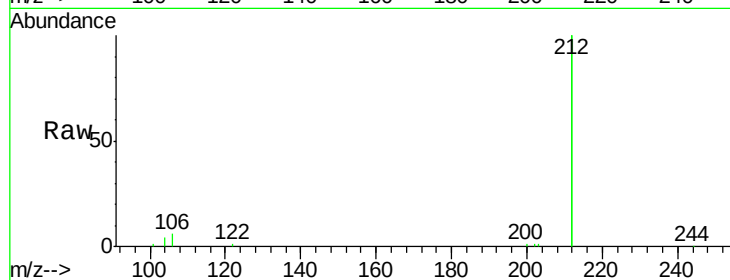
Tot Ion:212 Resp: 29145

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

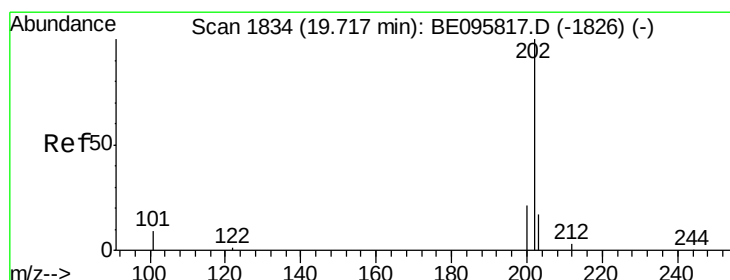
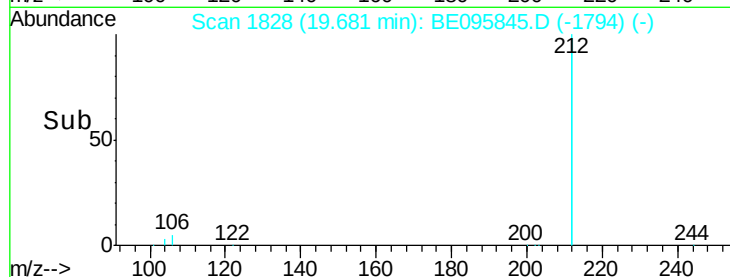
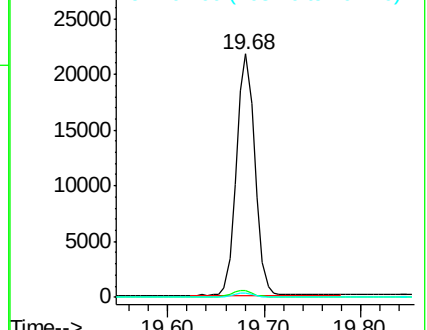
104 1.7 1.6 2.4



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: 0.347 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

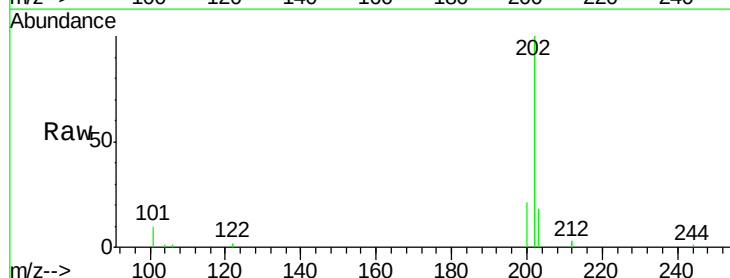
Tgt Ion:202 Resp: 8717

Ion Ratio Lower Upper

202 100

101 10.3 9.8 14.8

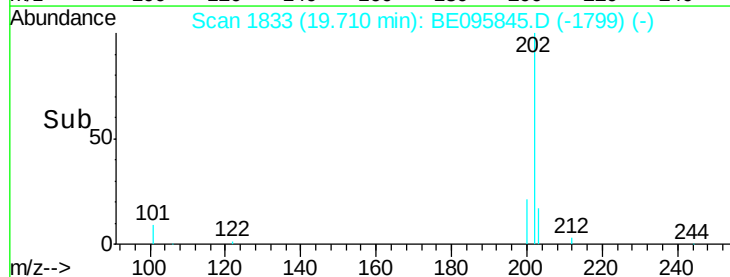
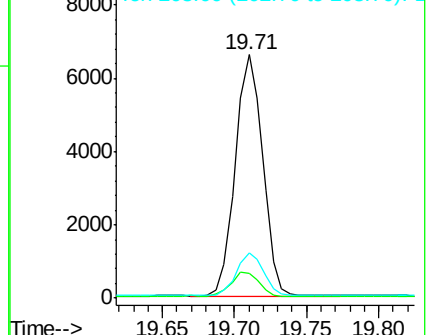
203 17.2 13.7 20.5

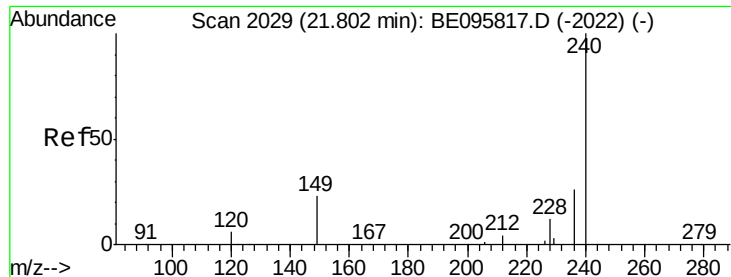


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

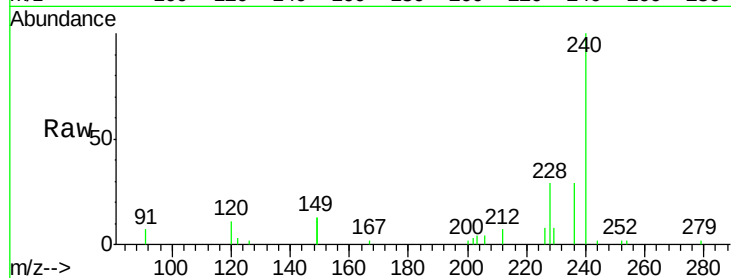
Tot Ion:240 Resp: 6282

Ion Ratio Lower Upper

240 100

120 11.3 5.5 8.3#

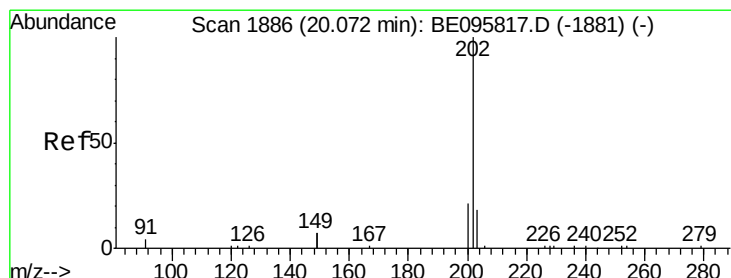
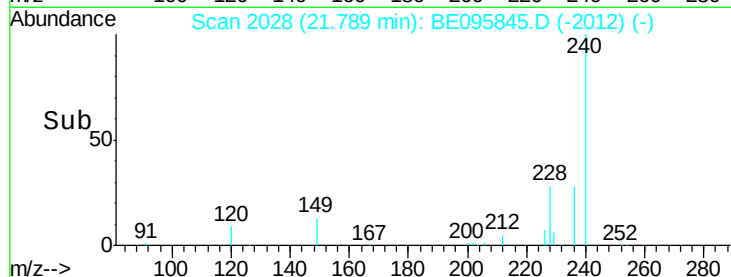
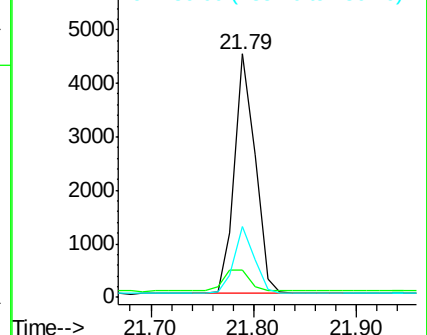
236 29.1 20.7 31.1



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: 0.421 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

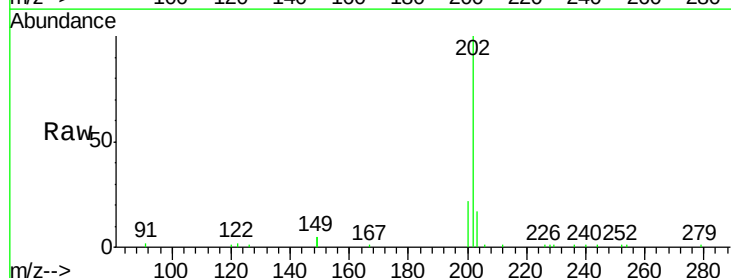
Tgt Ion:202 Resp: 10768

Ion Ratio Lower Upper

202 100

200 18.1 16.6 25.0

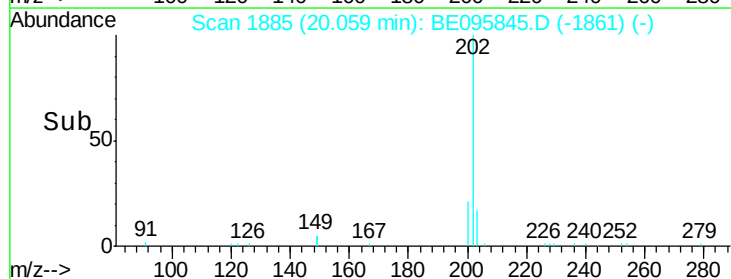
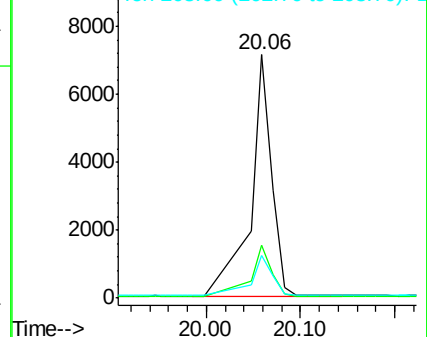
203 19.9 13.8 20.8

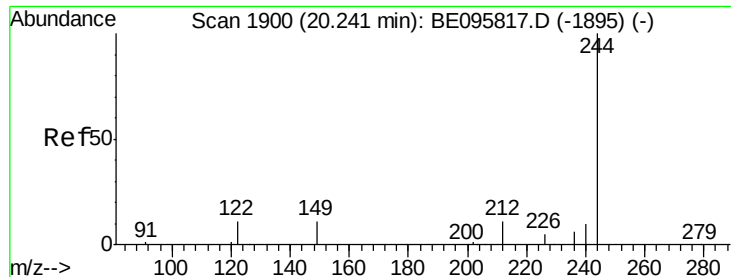


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.514 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

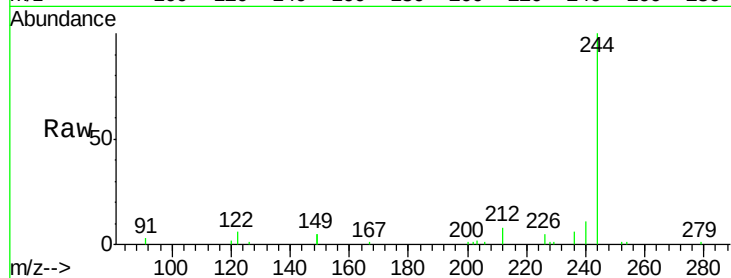
Tot Ion:244 Resp: 6856

Ion Ratio Lower Upper

244 100

212 8.3 25.4 38.0#

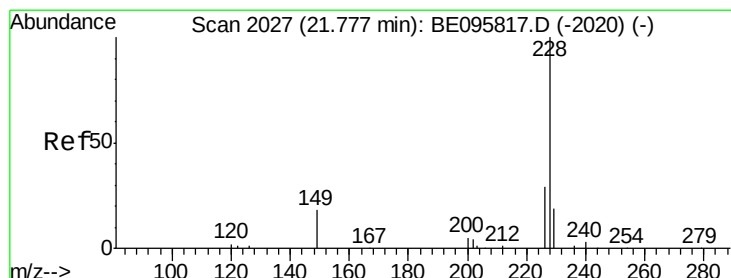
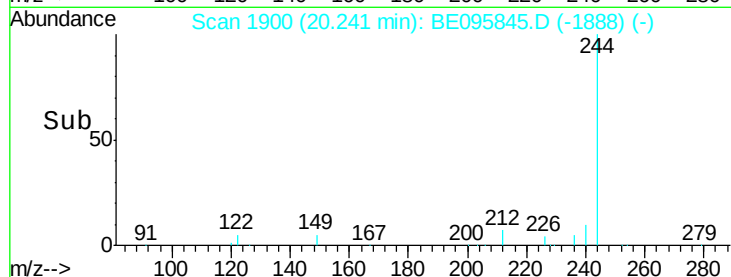
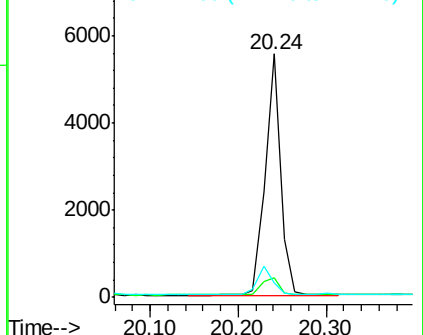
122 6.1 8.1 12.1#



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: 0.392 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

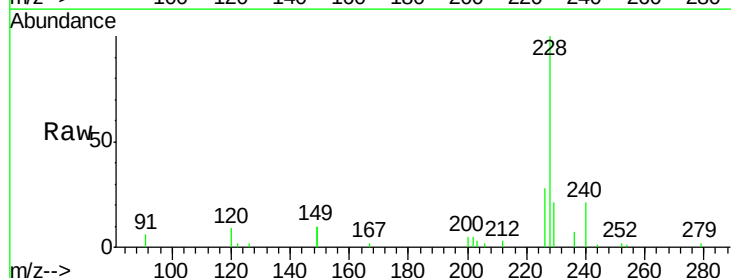
Tgt Ion:228 Resp: 8529

Ion Ratio Lower Upper

228 100

226 27.6 24.0 36.0

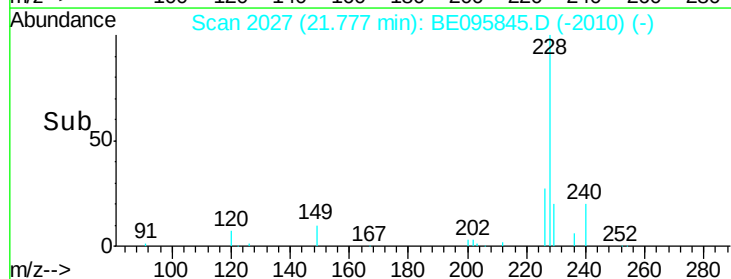
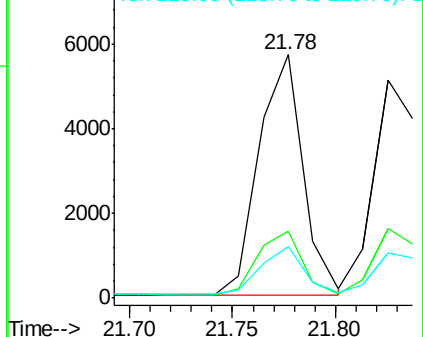
229 21.0 16.0 24.0

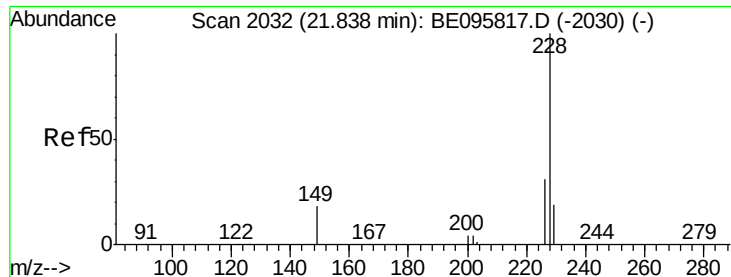


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

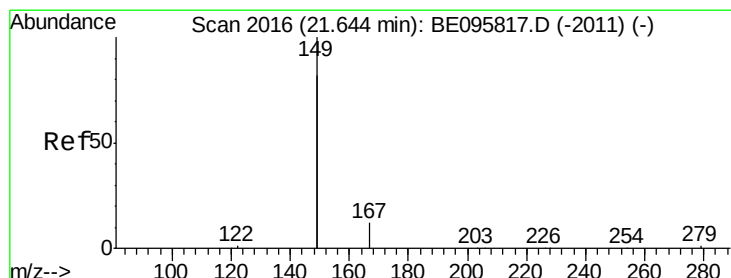
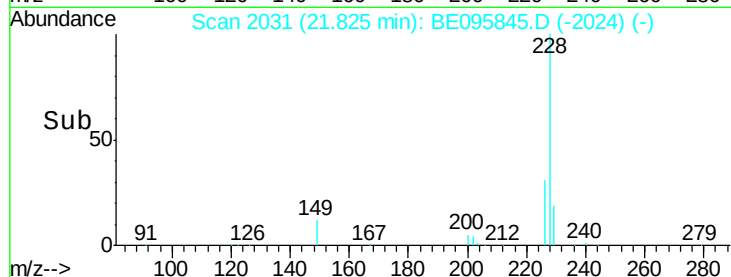
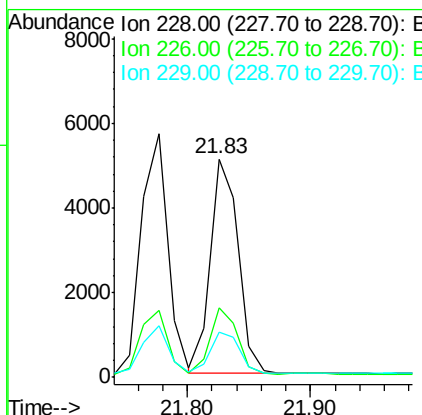
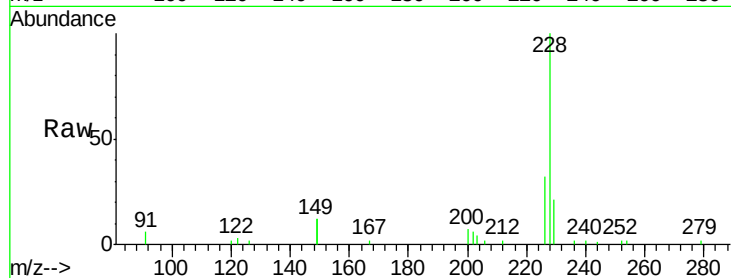




#31
Chrysene
Concen: 0.402 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

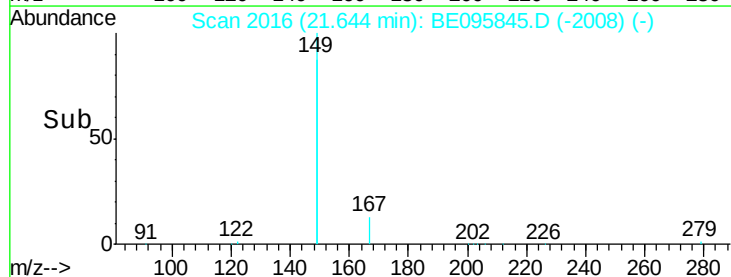
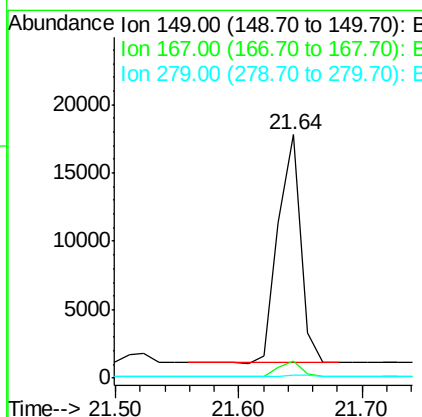
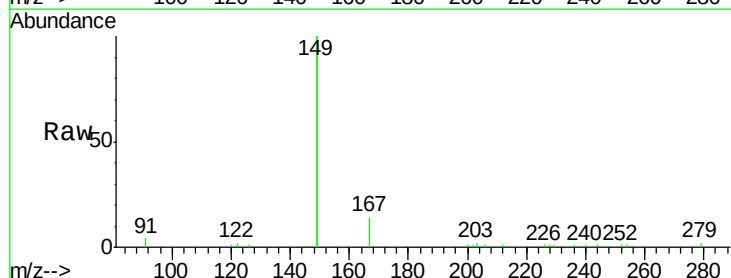
Instrument :
BNA_E
ClientSampleId :
PB107516BSD

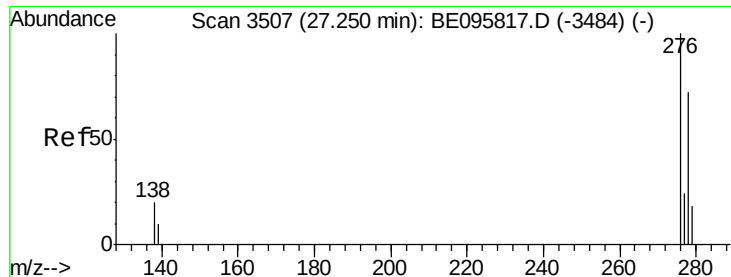
Tot Ion:228 Resp: 8000
Ion Ratio Lower Upper
228 100
226 32.2 24.0 36.0
229 20.9 16.0 24.0



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.324 ng
RT: 21.64 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE095845.D
Acq: 26 Mar 2018 18:01

Tgt Ion:149 Resp: 21571
Ion Ratio Lower Upper
149 100
167 7.0 5.4 8.0
279 0.8 0.7 1.1

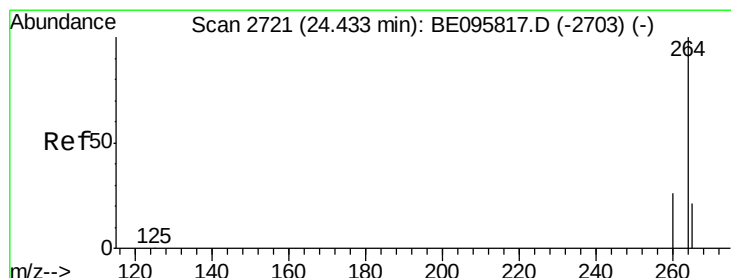
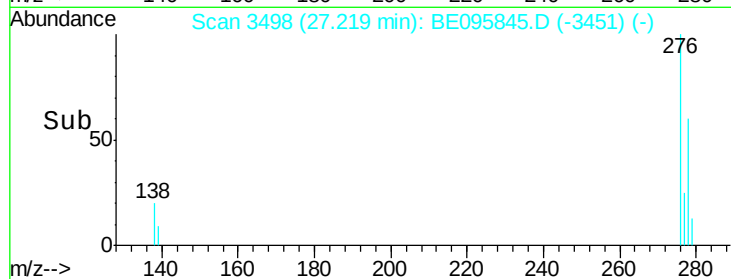
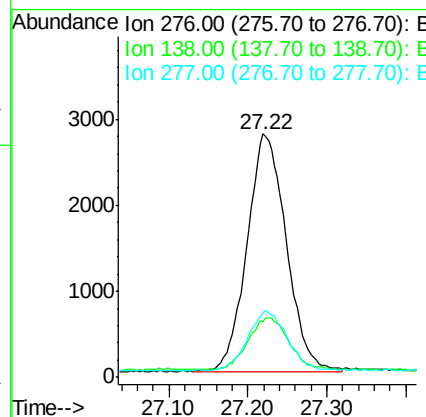
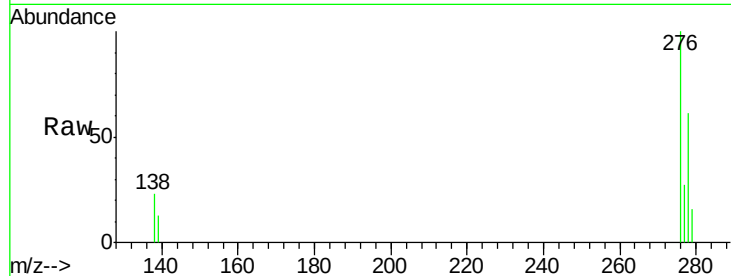




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.444 ng
 RT: 27.22 min Scan# 3498
 Delta R.T. -0.03 min
 Lab File: BE095845.D
 Acq: 26 Mar 2018 18:01

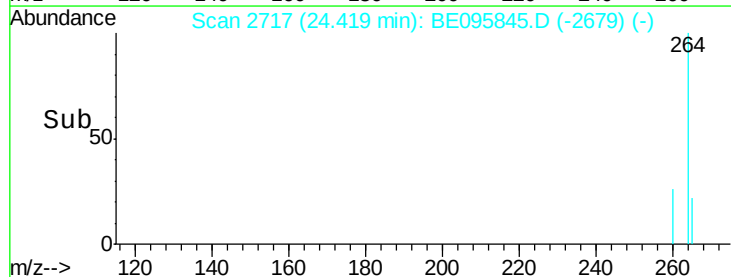
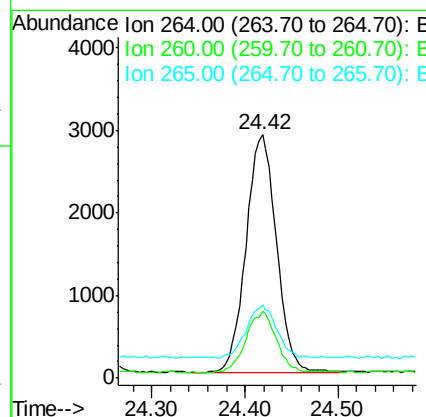
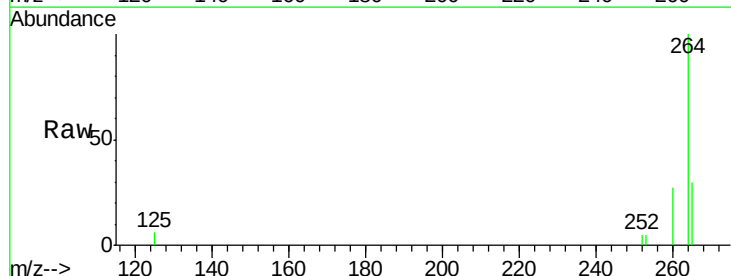
Instrument :
 BNA_E
 ClientSampleId :
 PB107516BSD

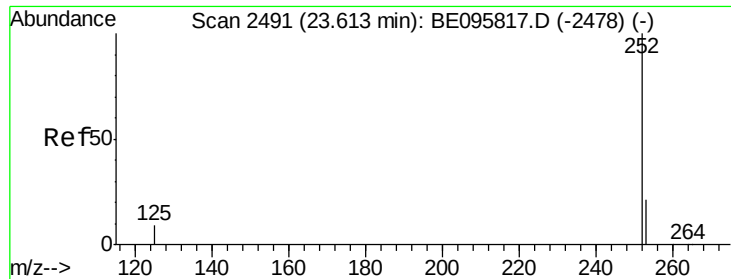
Tot Ion:276 Resp: 9507
 Ion Ratio Lower Upper
 276 100
 138 22.8 22.5 33.7
 277 24.9 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.42 min Scan# 2717
 Delta R.T. -0.01 min
 Lab File: BE095845.D
 Acq: 26 Mar 2018 18:01

Tgt Ion:264 Resp: 6533
 Ion Ratio Lower Upper
 264 100
 260 27.4 20.5 30.7
 265 30.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.375 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

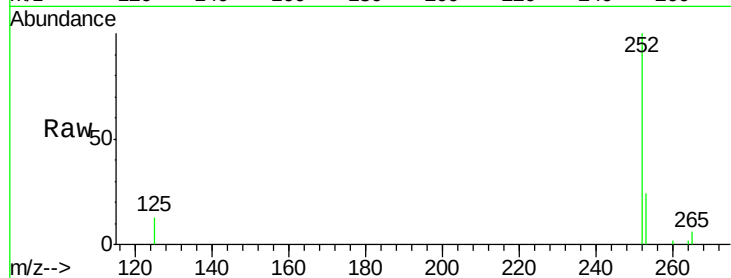
Tot Ion:252 Resp: 8112

Ion Ratio Lower Upper

252 100

253 24.1 20.0 30.0

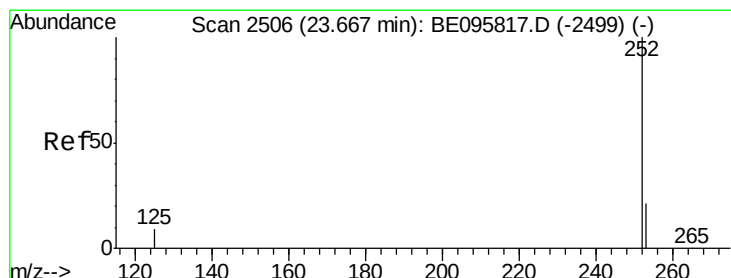
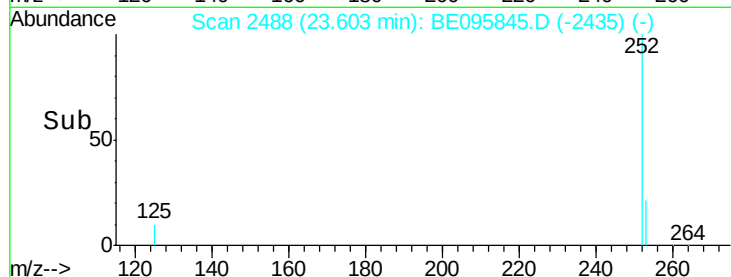
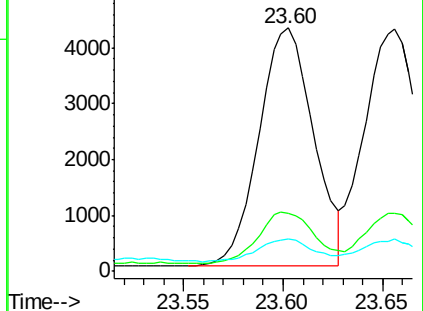
125 13.4 16.0 24.0#



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: 0.382 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

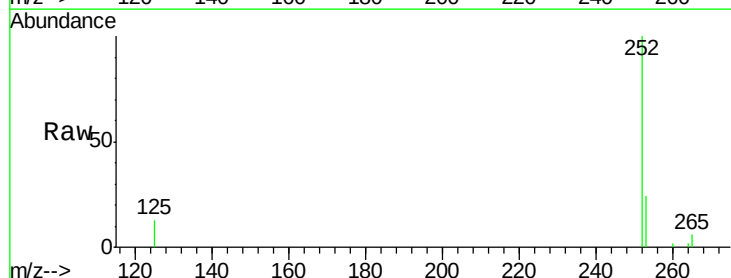
Tgt Ion:252 Resp: 8268

Ion Ratio Lower Upper

252 100

253 24.0 16.0 24.0

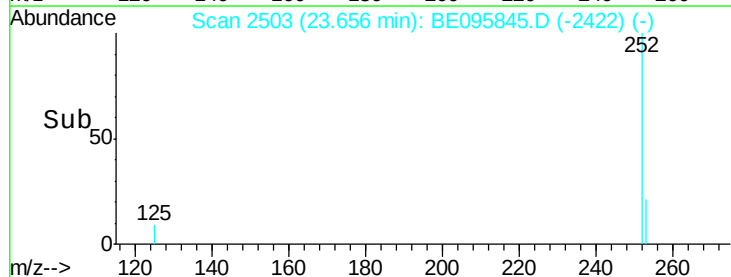
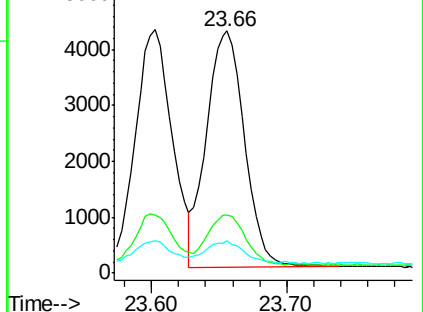
125 13.2 8.0 12.0#

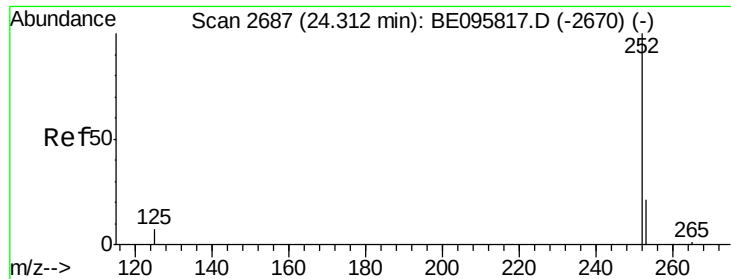


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.393 ng

RT: 24.30 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

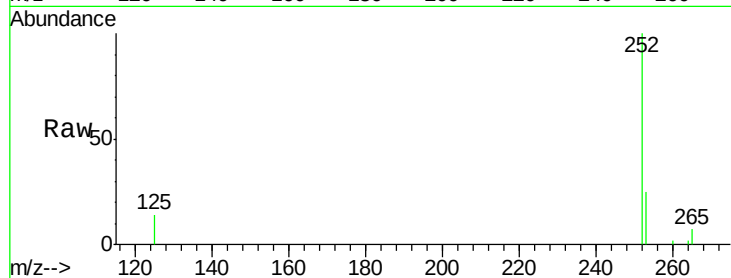
Tot Ion:252 Resp: 7964

Ion Ratio Lower Upper

252 100

253 24.7 16.0 24.0#

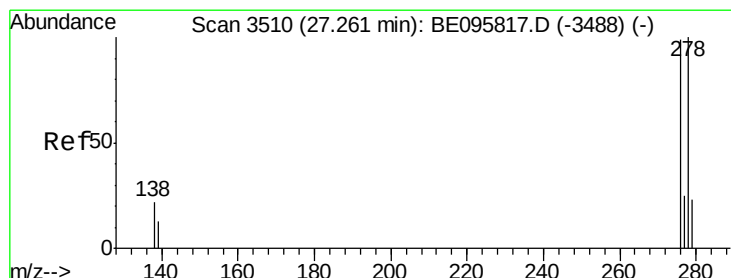
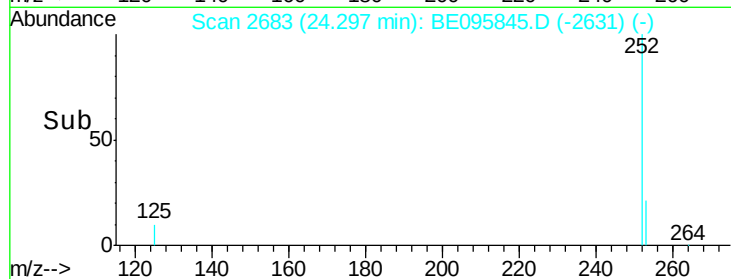
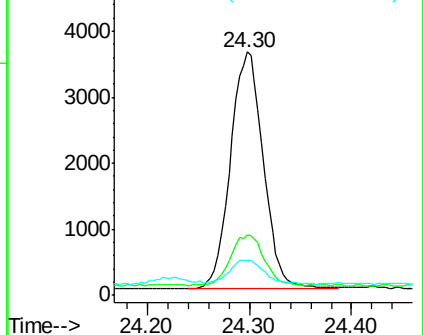
125 14.2 12.0 18.0



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: 0.413 ng

RT: 27.24 min Scan# 3504

Delta R.T. -0.02 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

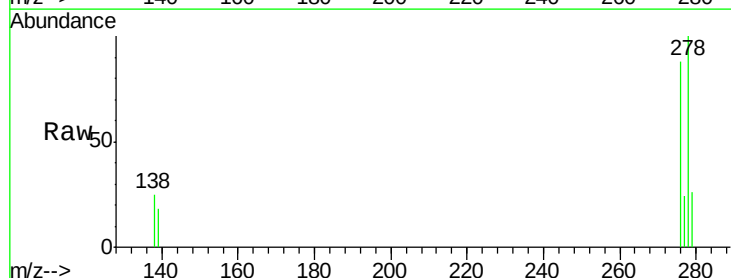
Tgt Ion:278 Resp: 7952

Ion Ratio Lower Upper

278 100

139 18.1 16.0 24.0

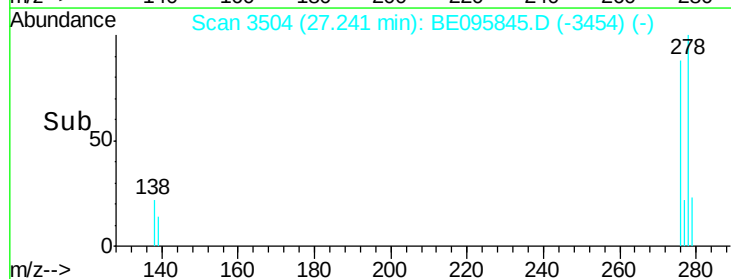
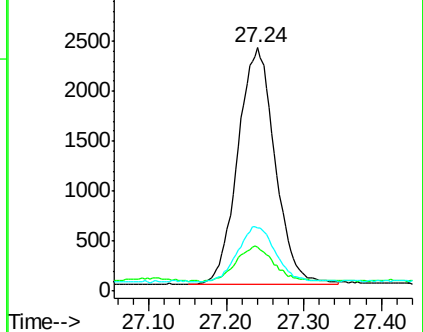
279 25.9 20.0 30.0

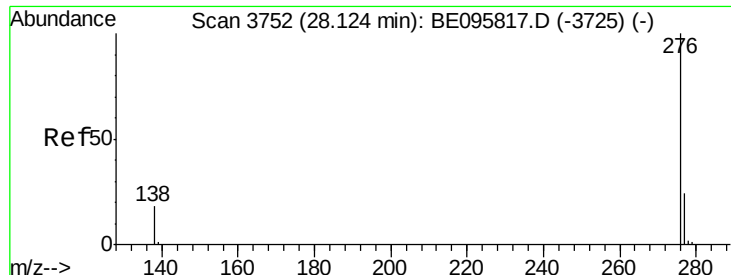


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.415 ng

RT: 28.09 min Scan# 3743

Delta R.T. -0.03 min

Lab File: BE095845.D

Acq: 26 Mar 2018 18:01

Instrument :

BNA_E

ClientSampleId :

PB107516BSD

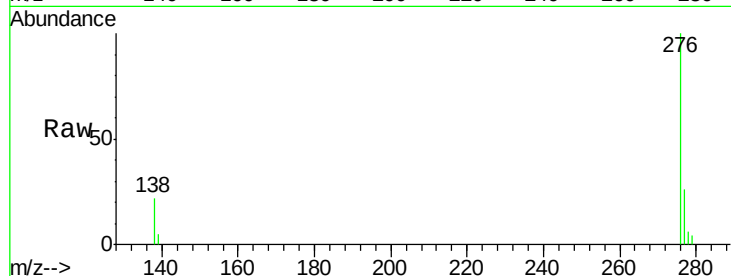
Tot Ion: 276 Resp: 8018

Ion Ratio Lower Upper

276 100

277 26.2 16.0 24.0#

138 22.0 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

