

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
 Data File : BE096214.D
 Acq On : 30 Apr 2018 10:35
 Operator : SJ/JU
 Sample : PB108420BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 30 14:28:06 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	835	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2942	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	1405	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3312	0.40	ng	0.00
27) Chrysene-d12	21.75	240	3690	0.40	ng	0.01
34) Perylene-d12	24.35	264	3545	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.86	112	897	0.35	ng	0.00
5) Phenol-d6	7.51	99	1259	0.35	ng	0.00
8) Nitrobenzene-d5	9.54	82	1252	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	1602	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	189	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2336	0.39	ng	0.00
25) Fluoranthene-d10	19.64	212	15481	0.34	ng	0.00
29) Terphenyl-d14	20.19	244	2735	0.34	ng	0.00

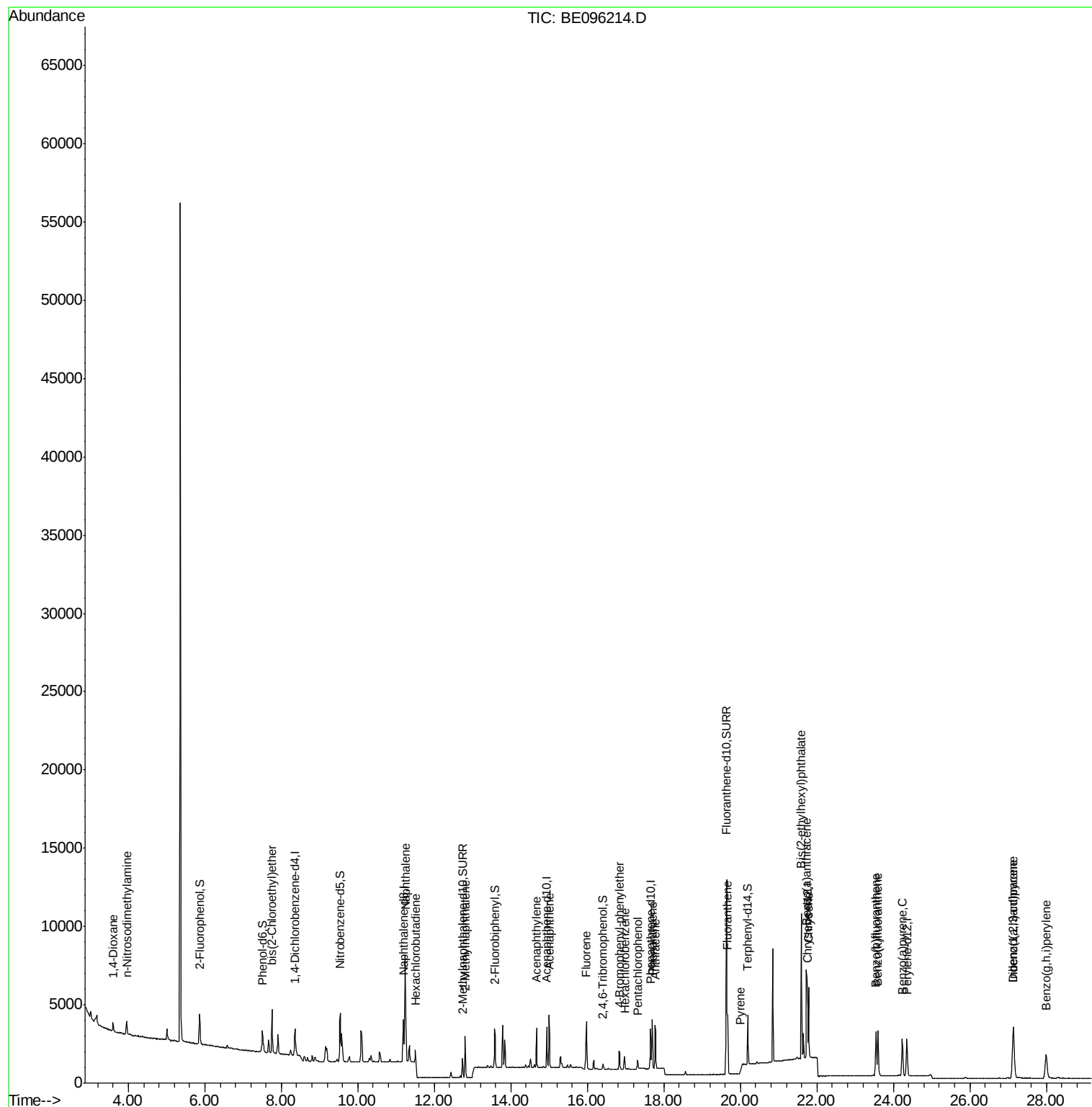
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	349	0.271	ng	# 67
3) n-Nitrosodimethylamine	3.95	42	652	0.413	ng	# 78
6) bis(2-Chloroethyl)ether	7.76	93	1019	0.325	ng	97
9) Naphthalene	11.24	128	11279	0.364	ng	99
10) Hexachlorobutadiene	11.50	225	291	0.212	ng	88
12) 2-Methylnaphthalene	12.81	142	1822	0.355	ng	93
16) Acenaphthylene	14.67	152	2711	0.361	ng	99
17) Acenaphthene	15.00	154	1611	0.357	ng	93
18) Fluorene	15.97	166	2036	0.365	ng	# 79
20) 4-Bromophenyl-phenylether	16.84	248	610	0.310	ng	# 78
21) Hexachlorobenzene	16.97	284	631	0.322	ng	# 82
22) Pentachlorophenol	17.31	266	295	0.462	ng	# 80
23) Phenanthrene	17.70	178	3336	0.359	ng	98
24) Anthracene	17.78	178	3211	0.361	ng	95
26) Fluoranthene	19.66	202	4385	0.359	ng	98
28) Pyrene	20.00	202	213	0.029	ng	# 78
30) Benzo(a)anthracene	21.73	228	4321	0.365	ng	98
31) Chrysene	21.79	228	4266	0.373	ng	98
32) Bis(2-ethylhexyl)phthalate	21.60	149	10575	0.346	ng	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	4516	0.407	ng	96
35) Benzo(b)fluoranthene	23.54	252	4088	0.384	ng	# 93
36) Benzo(k)fluoranthene	23.59	252	4077	0.373	ng	# 90
37) Benzo(a)pyrene	24.24	252	3902	0.382	ng	# 94
38) Dibenzo(a,h)anthracene	27.14	278	3650	0.405	ng	97
39) Benzo(g,h,i)perylene	27.99	276	3761	0.395	ng	# 92

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

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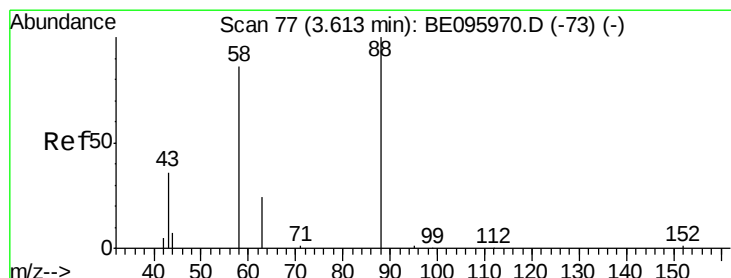
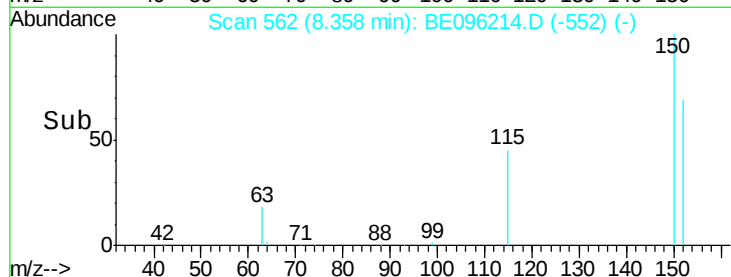
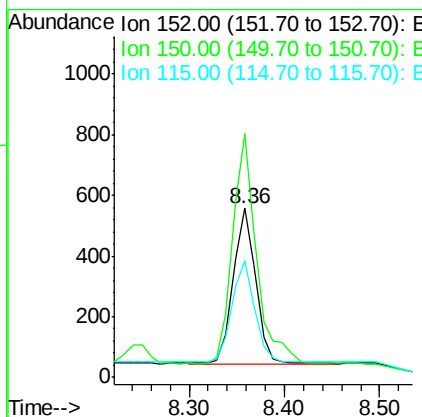
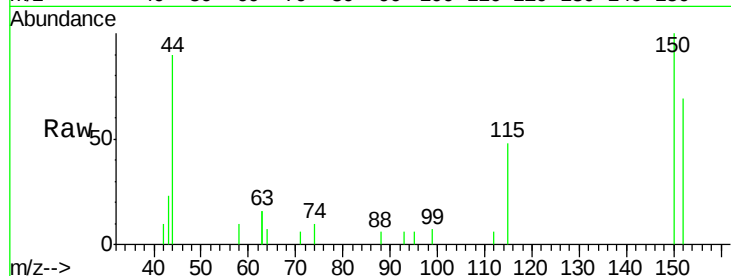


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: BE096214.D
 Acq: 30 Apr 2018 10:35

Instrument :
 BNA_E
 ClientSampleId :

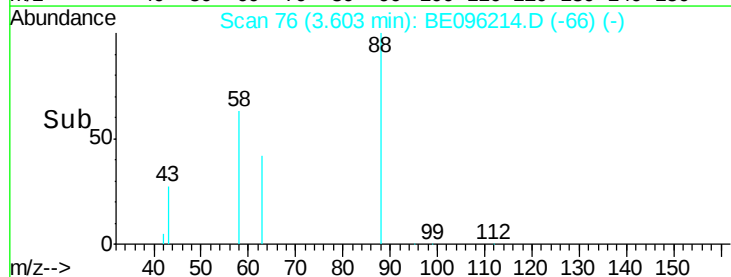
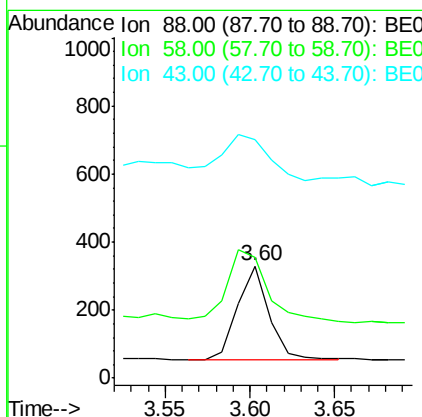
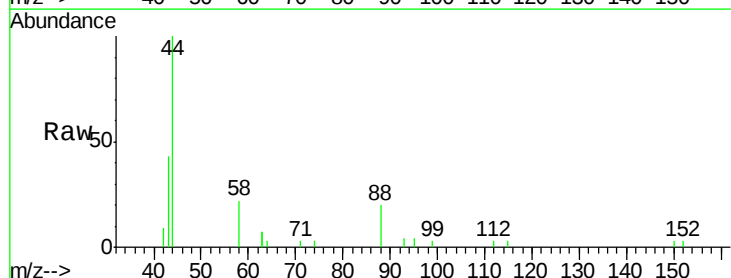
Tot Ion:152 Resp: 835
 Ion Ratio Lower Upper
 152 100
 150 144.2 117.2 175.8
 115 69.1 57.0 85.6

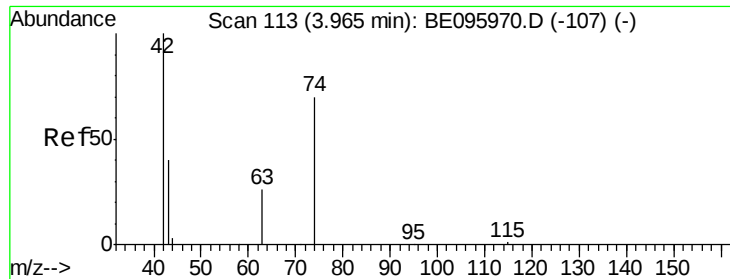


#2

1,4-Dioxane
 Concen: 0.271 ng
 RT: 3.60 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: BE096214.D
 Acq: 30 Apr 2018 10:35

Tgt Ion: 88 Resp: 349
 Ion Ratio Lower Upper
 88 100
 58 106.9 63.2 94.8#
 43 75.4 41.2 61.8#



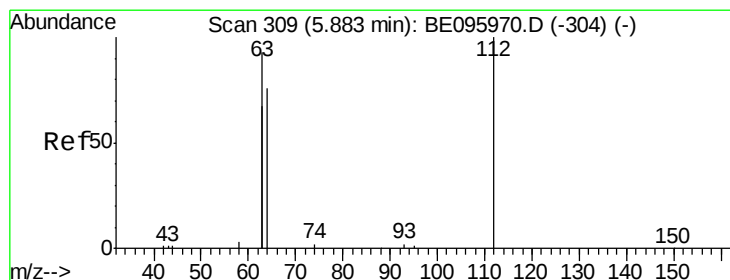
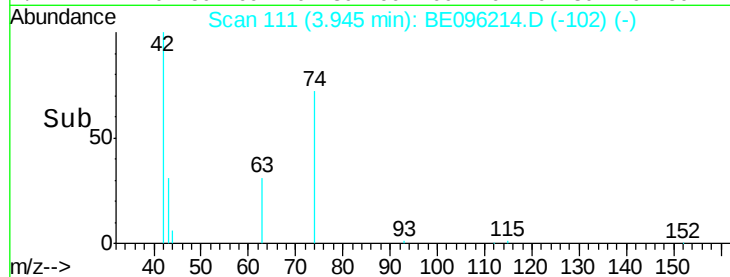
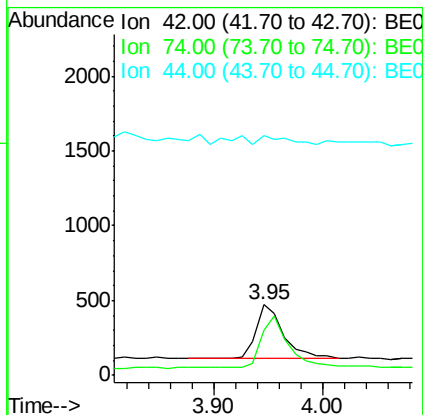
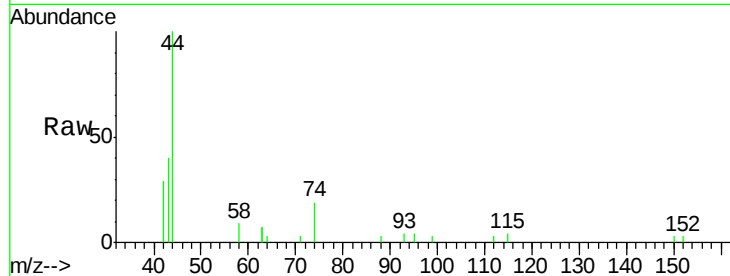


#3

n-Nitrosodimethylamine
 Concen: 0.413 ng
 RT: 3.95 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: BE096214.D
 Acq: 30 Apr 2018 10:35

Instrument :
 BNA_E
 ClientSampleId :

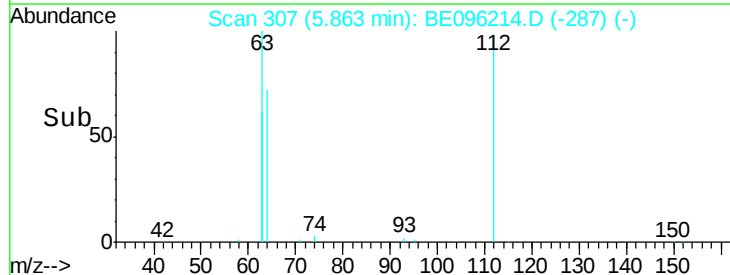
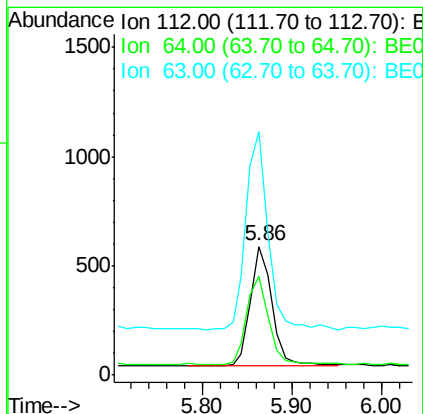
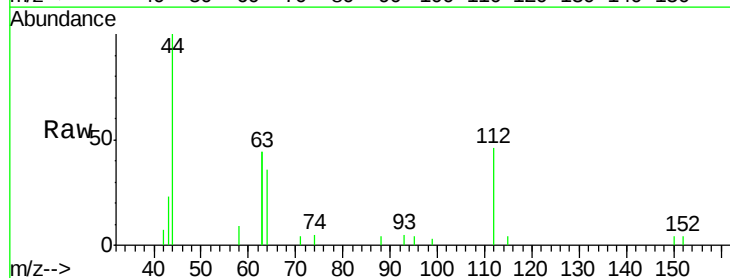
Tot Ion: 42 Resp: 652
 Ion Ratio Lower Upper
 42 100
 74 92.5 96.0 144.0#
 44 14.9 12.0 18.0

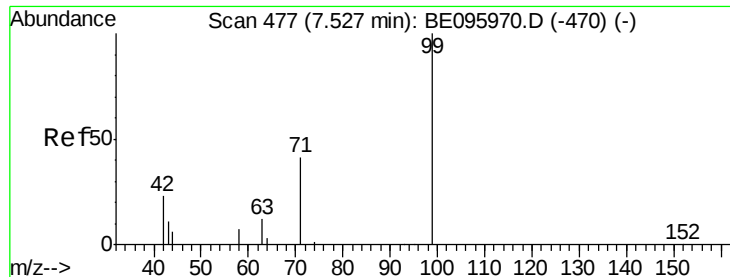


#4

2-Fluorophenol
 Concen: 0.347 ng
 RT: 5.86 min Scan# 307
 Delta R.T. -0.00 min
 Lab File: BE096214.D
 Acq: 30 Apr 2018 10:35

Tgt Ion: 112 Resp: 897
 Ion Ratio Lower Upper
 112 100
 64 78.4 60.1 90.1
 63 169.7 116.8 175.2





#5

Phenol-d6

Concen: 0.353 ng

RT: 7.51 min Scan# 475

Delta R.T. -0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampled :

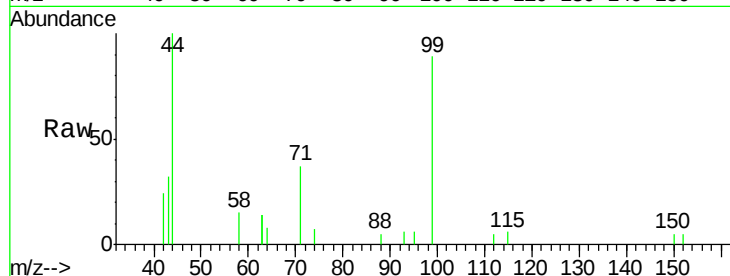
Tot Ion: 99 Resp: 1259

Ion Ratio Lower Upper

99 100

42 25.7 20.2 30.2

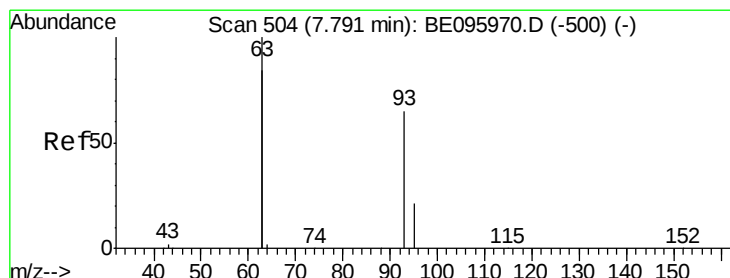
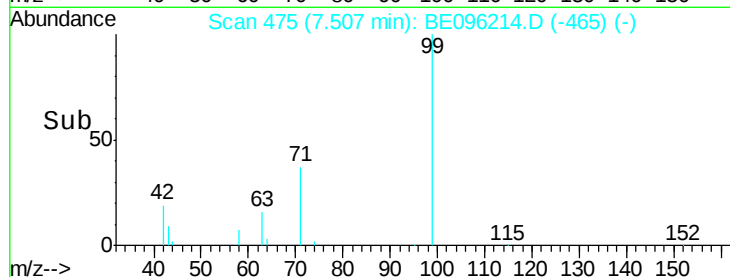
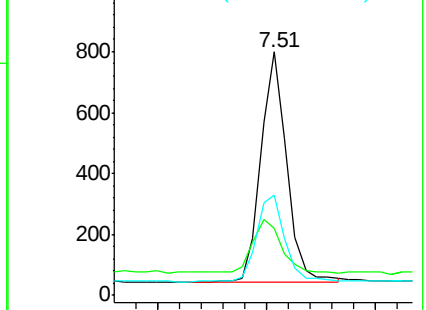
71 41.4 28.4 42.6



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: 0.325 ng

RT: 7.76 min Scan# 501

Delta R.T. -0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

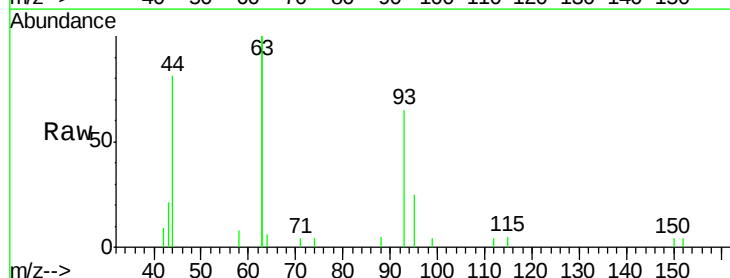
Tgt Ion: 93 Resp: 1019

Ion Ratio Lower Upper

93 100

63 338.2 275.3 412.9

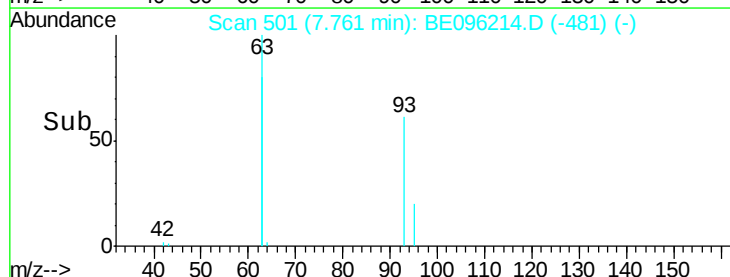
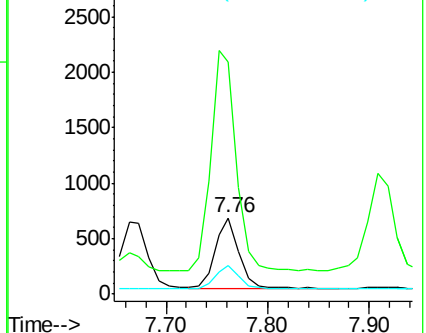
95 33.1 25.2 37.8



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: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2942

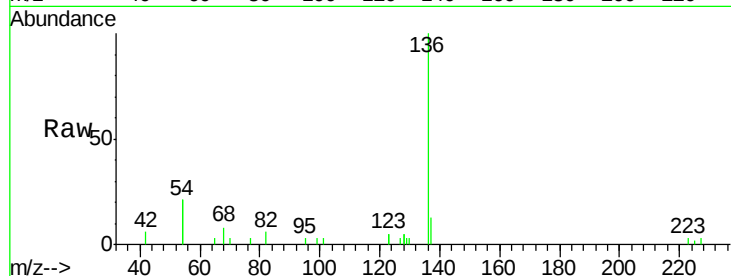
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 42.7 29.1 43.7

68 8.5 6.2 9.2

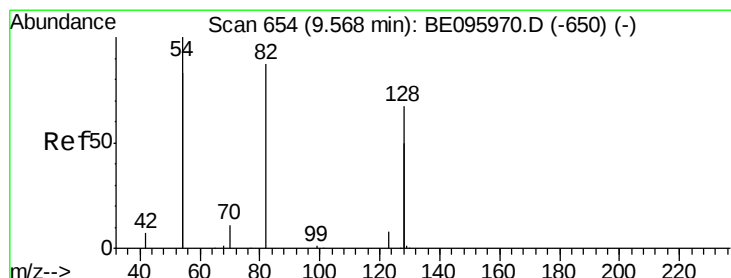
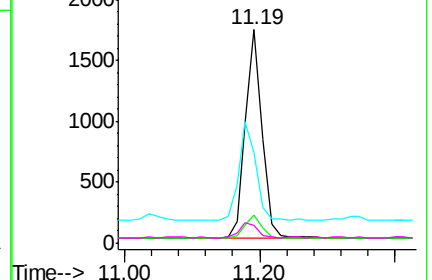
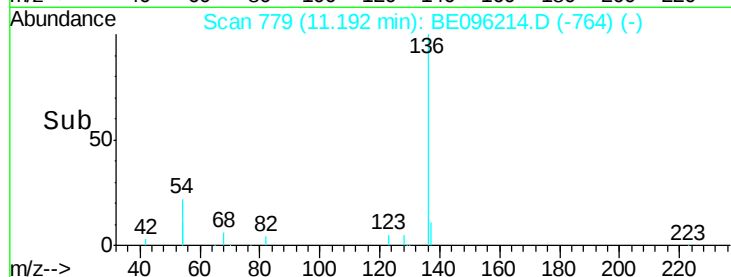


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.363 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

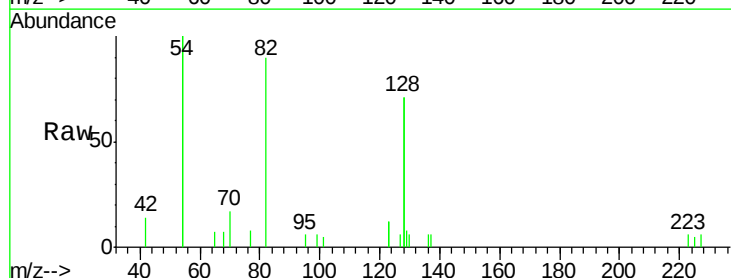
Tgt Ion: 82 Resp: 1252

Ion Ratio Lower Upper

82 100

128 158.3 150.0 225.0

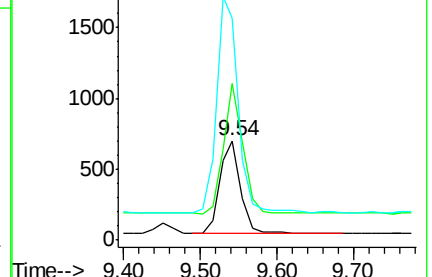
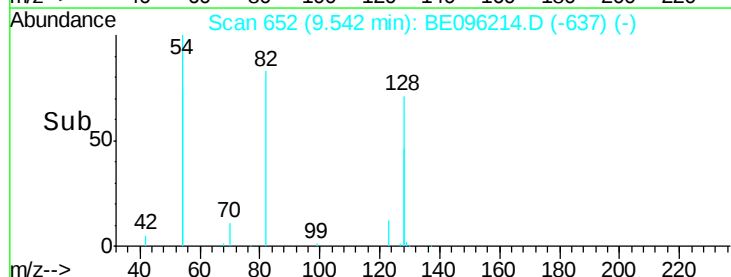
54 223.4 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.364 ng

RT: 11.24 min Scan# 783

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

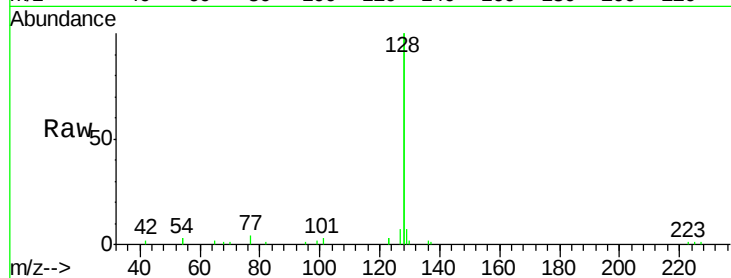
Tot Ion:128 Resp: 11279

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

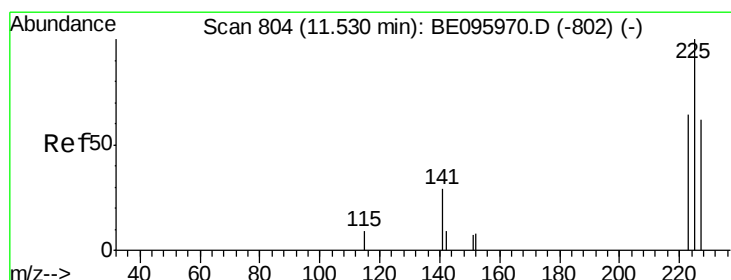
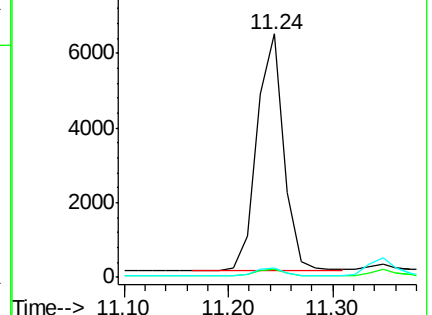
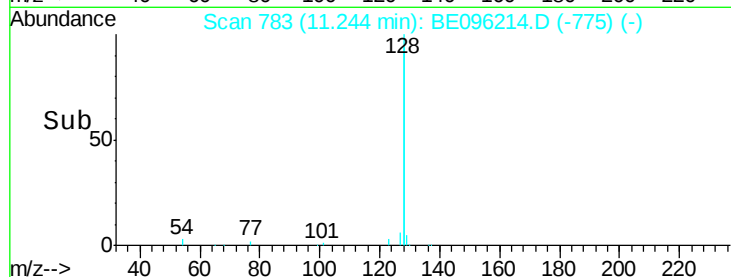
127 3.7 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.212 ng

RT: 11.50 min Scan# 803

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

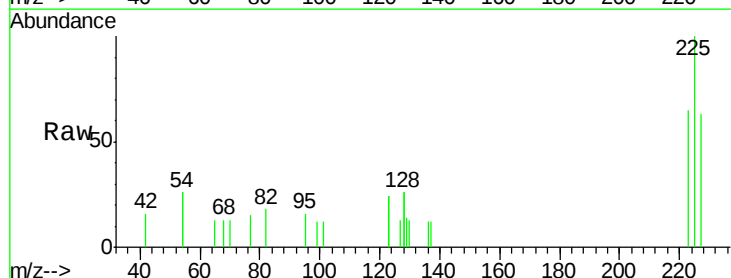
Tgt Ion:225 Resp: 291

Ion Ratio Lower Upper

225 100

223 55.0 53.0 79.6

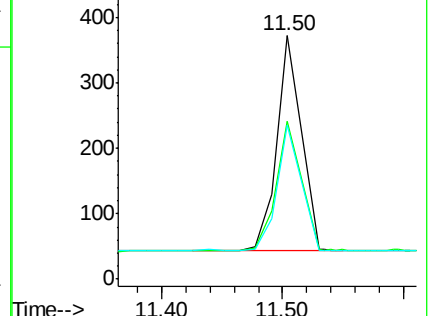
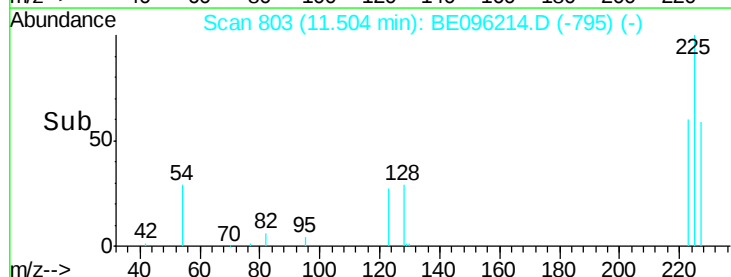
227 71.5 51.4 77.2

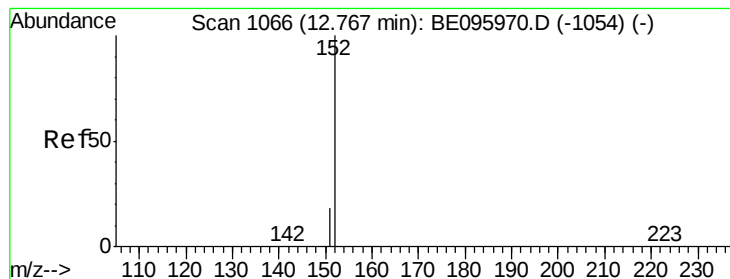


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

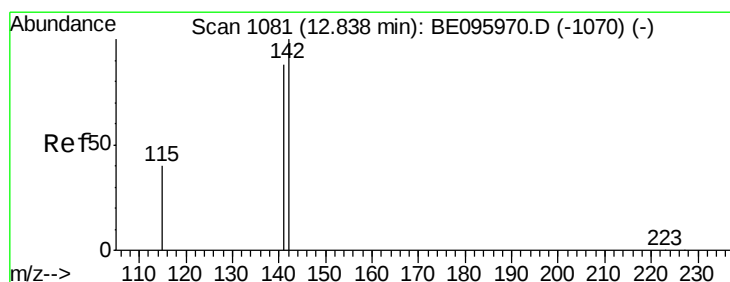
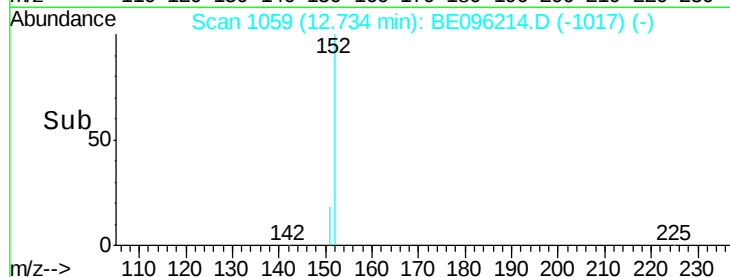
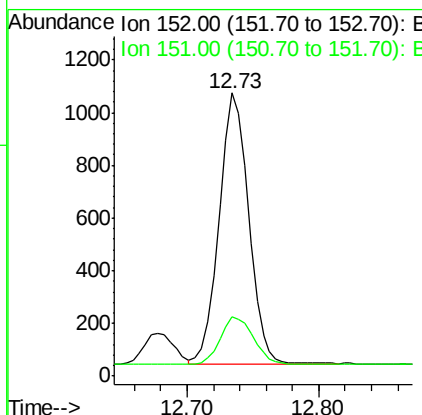
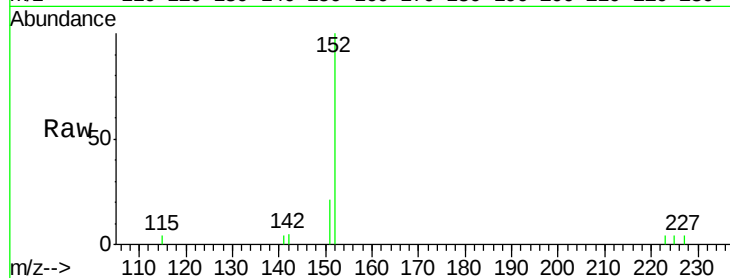




#11
 2-Methylnaphthalene-d10
 Concen: 0.344 ng
 RT: 12.73 min Scan# 1059
 Delta R.T. -0.00 min
 Lab File: BE096214.D
 Acq: 30 Apr 2018 10:35

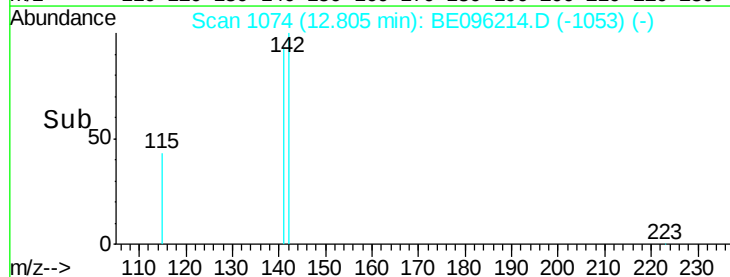
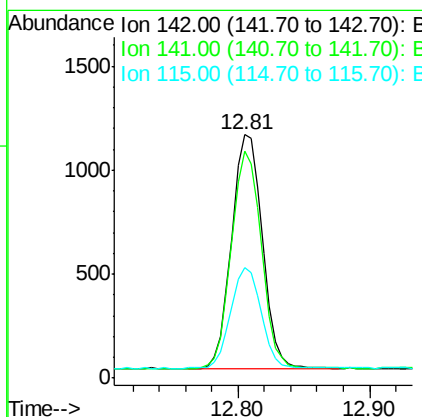
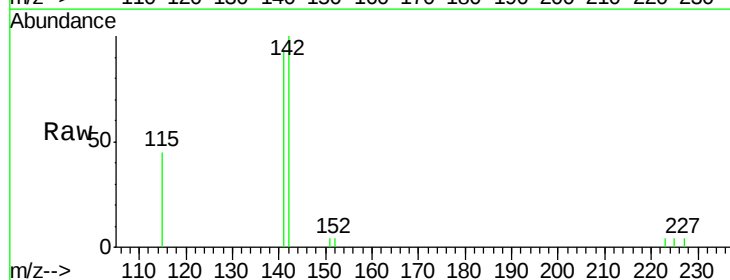
Instrument :
 BNA_E
 ClientSampleId :

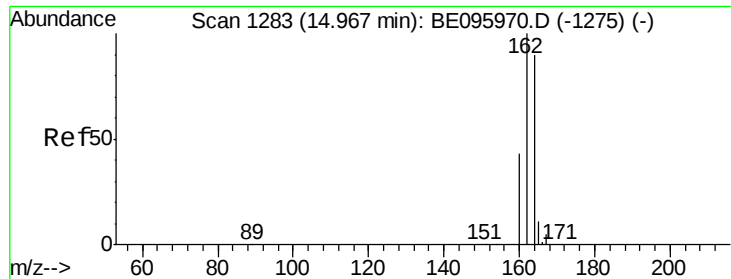
Tot Ion:152 Resp: 1602
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.355 ng
 RT: 12.81 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: BE096214.D
 Acq: 30 Apr 2018 10:35

Tgt Ion:142 Resp: 1822
 Ion Ratio Lower Upper
 142 100
 141 93.3 70.4 105.6
 115 45.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

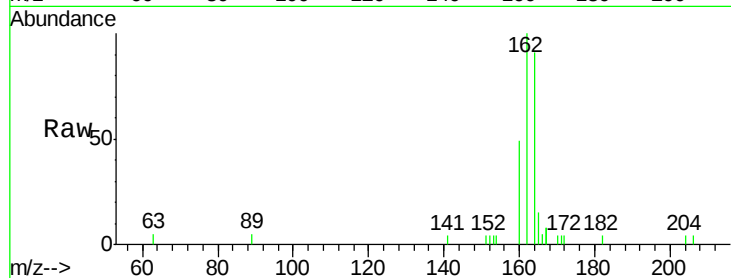
Tot Ion:164 Resp: 1405

Ion Ratio Lower Upper

164 100

162 109.9 83.1 124.7

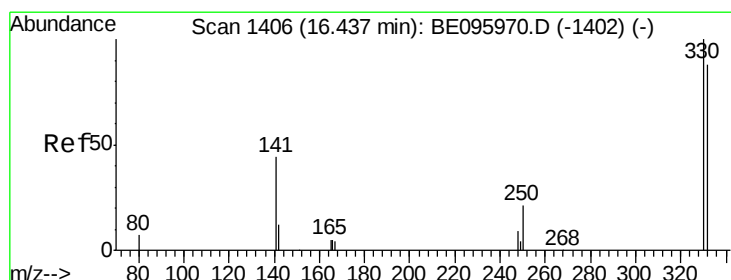
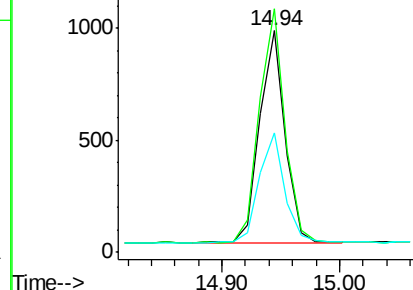
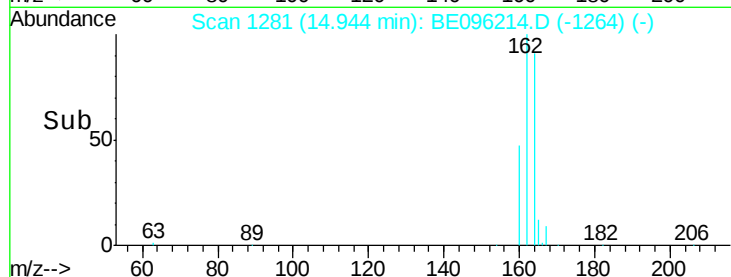
160 53.9 37.1 55.7



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: 0.279 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

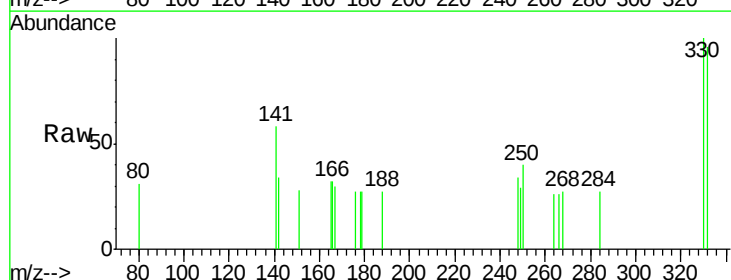
Tgt Ion:330 Resp: 189

Ion Ratio Lower Upper

330 100

332 96.8 152.7 229.1#

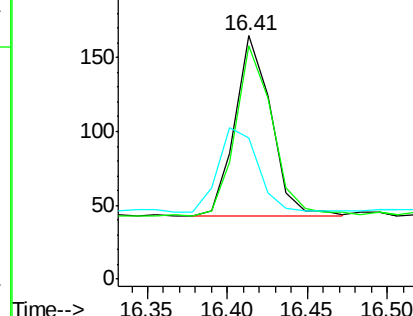
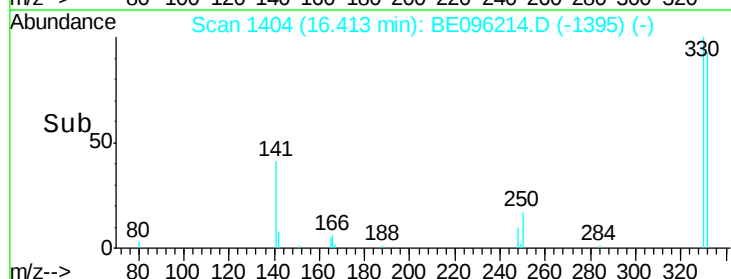
141 53.4 33.7 50.5#

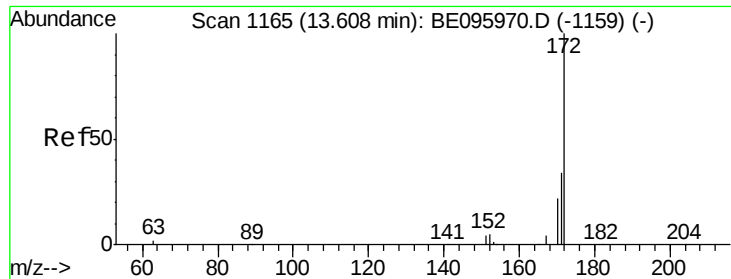


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

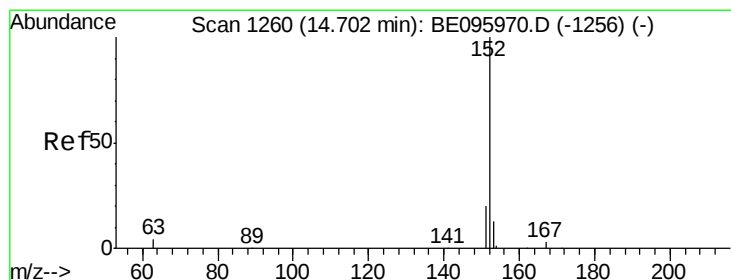
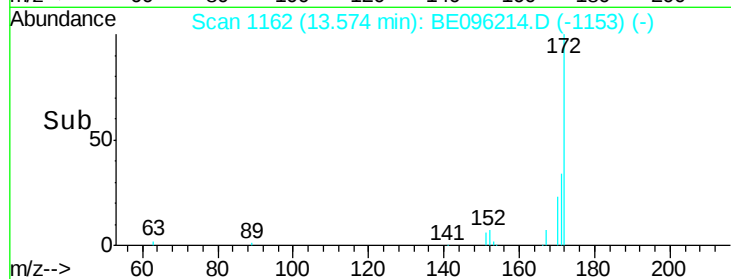
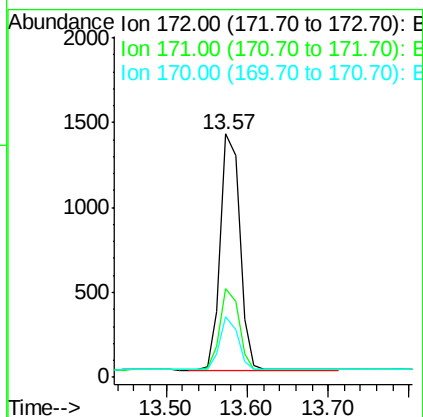
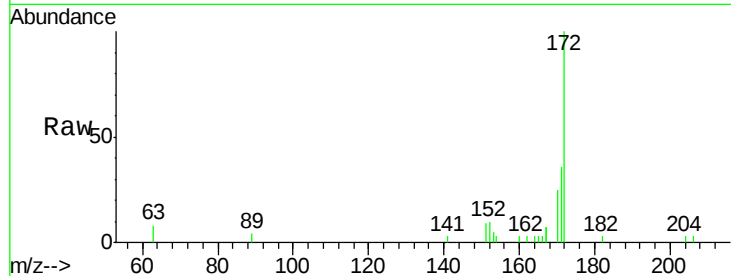




#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

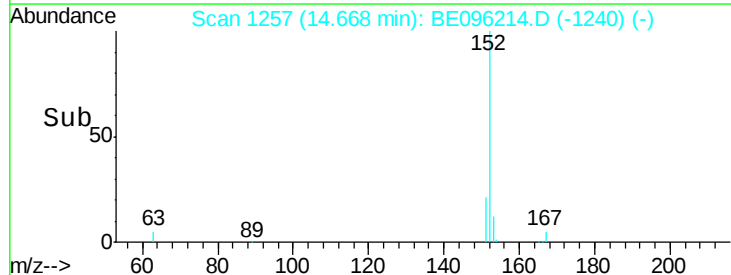
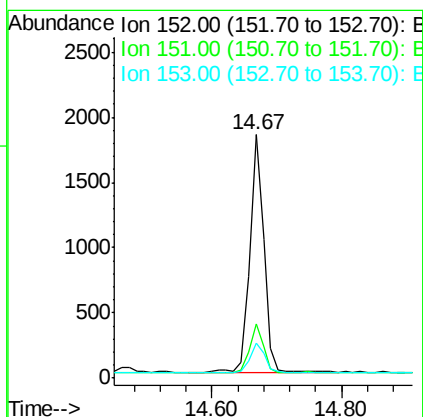
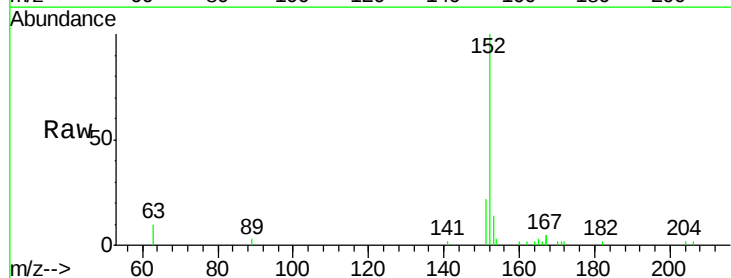
Instrument :
BNA_E
ClientSampleId :

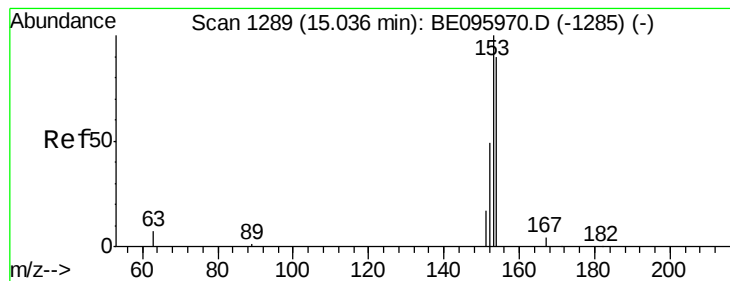
Tot Ion:172 Resp: 2336
Ion Ratio Lower Upper
172 100
171 36.5 29.9 44.9
170 25.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.361 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:152 Resp: 2711
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 12.7 10.5 15.7





#17

Acenaphthene

Concen: 0.357 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

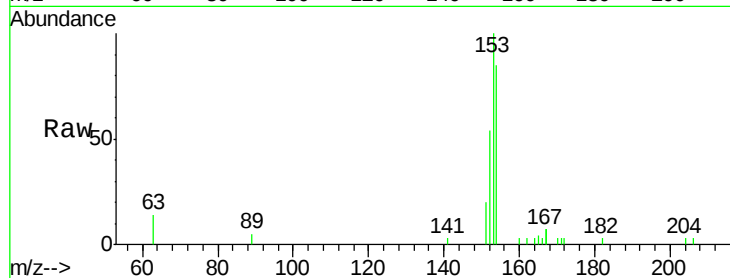
Tot Ion:154 Resp: 1611

Ion Ratio Lower Upper

154 100

153 116.8 89.2 133.8

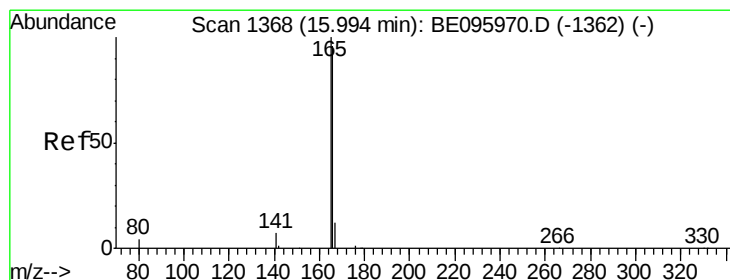
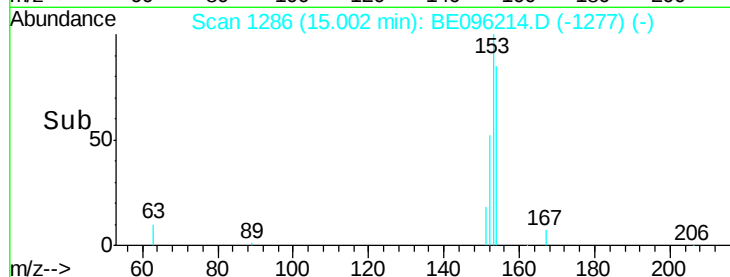
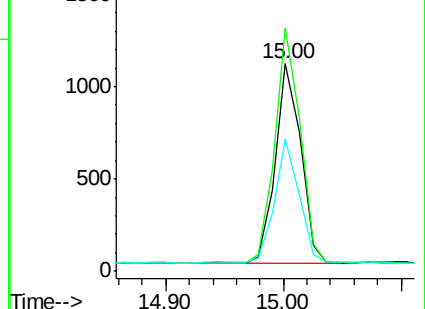
152 59.8 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.365 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

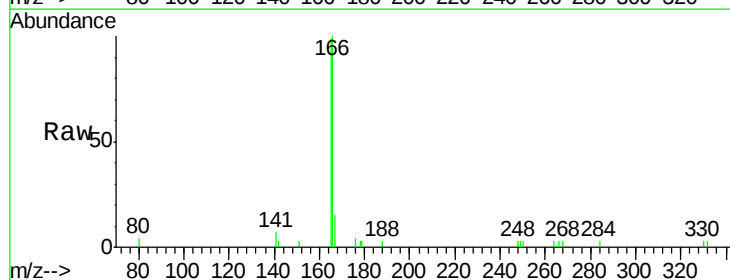
Tgt Ion:166 Resp: 2036

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.6

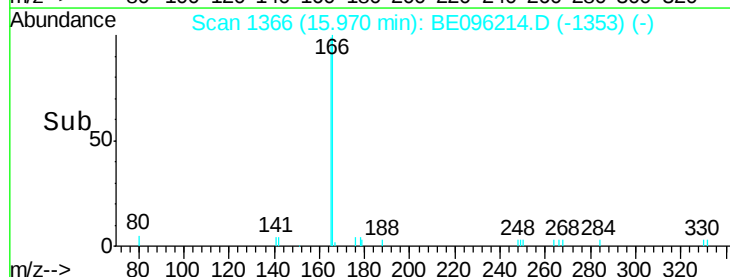
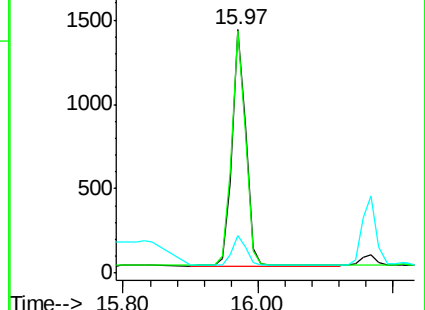
167 13.6 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

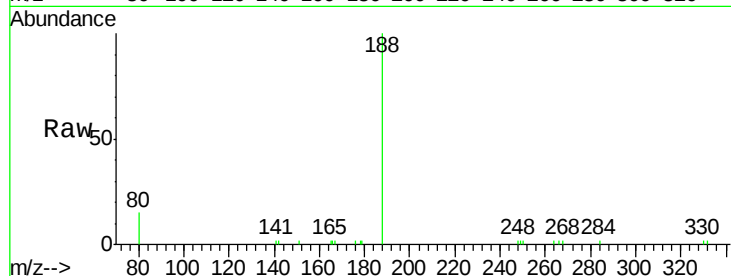
Tot Ion:188 Resp: 3312

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

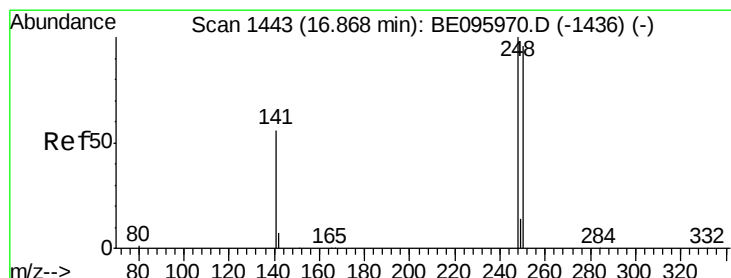
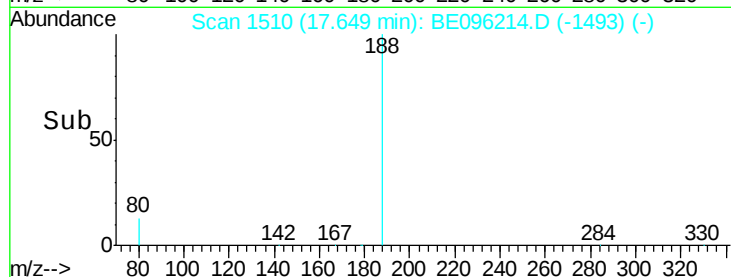
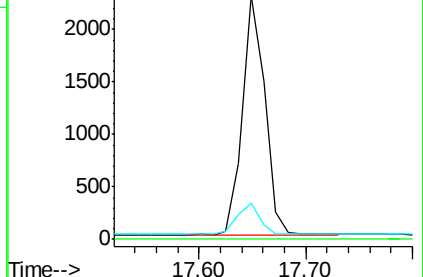
80 14.7 3.6 5.4#



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: 0.310 ng

RT: 16.84 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

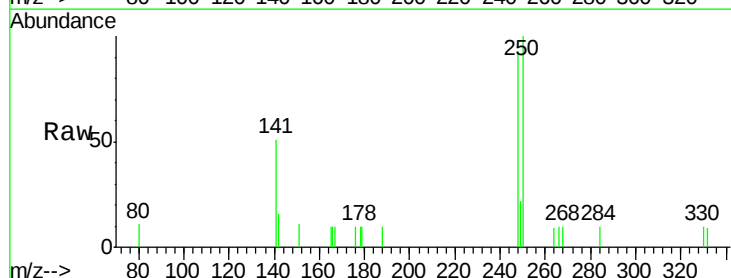
Tgt Ion:248 Resp: 610

Ion Ratio Lower Upper

248 100

250 107.1 62.7 94.1#

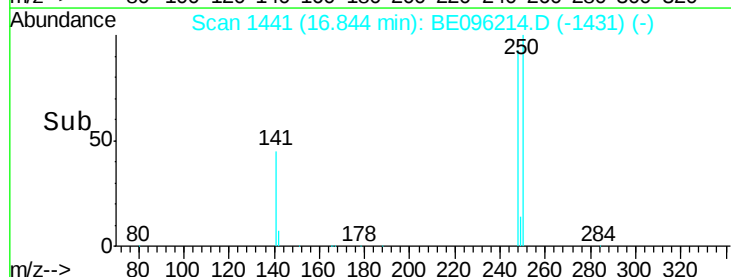
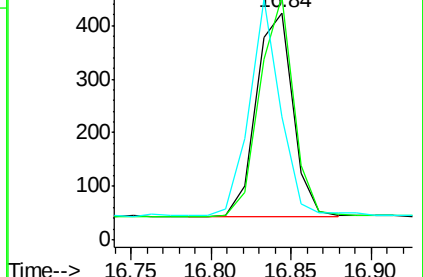
141 54.5 48.2 72.2



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: 0.322 ng

RT: 16.97 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

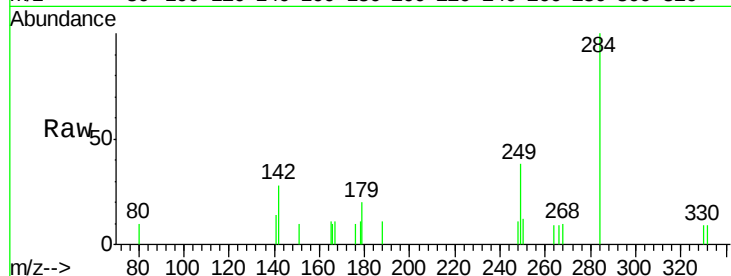
Tot Ion:284 Resp: 631

Ion Ratio Lower Upper

284 100

142 44.4 22.1 33.1#

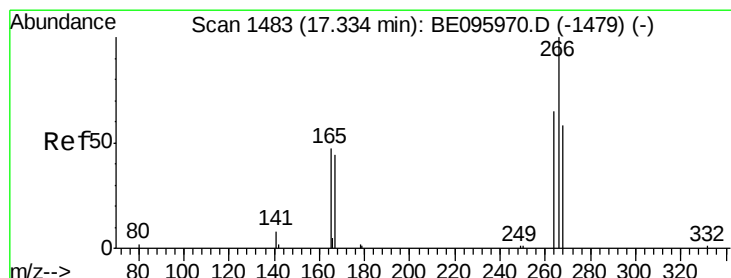
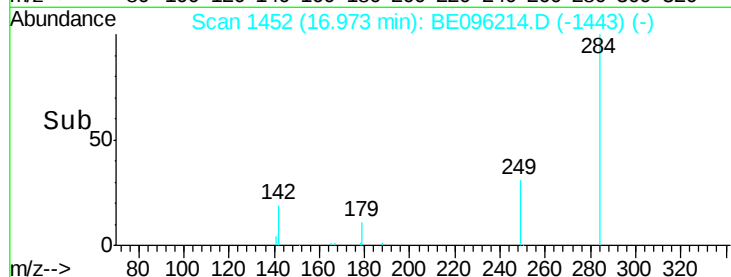
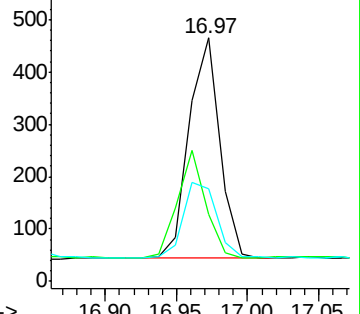
249 38.0 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.462 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

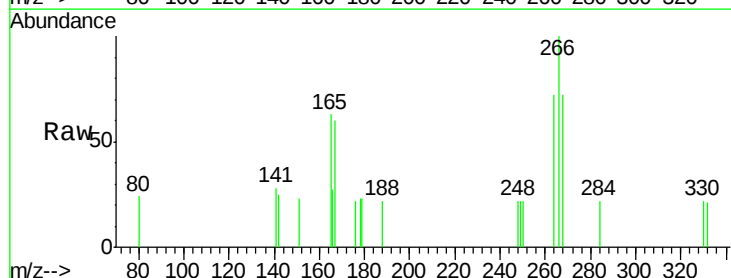
Tgt Ion:266 Resp: 295

Ion Ratio Lower Upper

266 100

264 71.9 72.5 108.7#

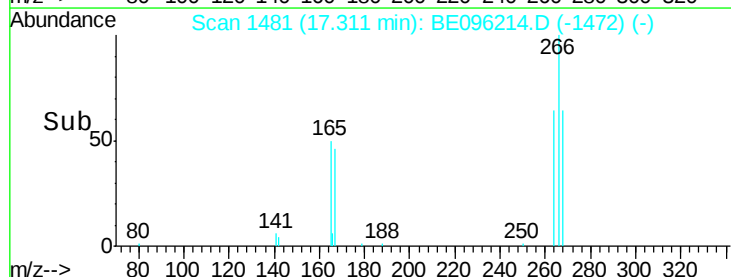
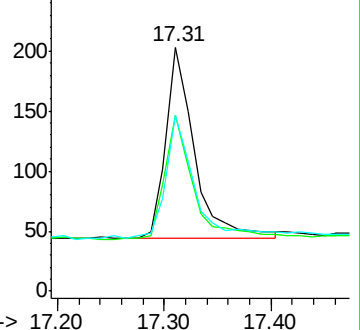
268 72.4 73.8 110.6#

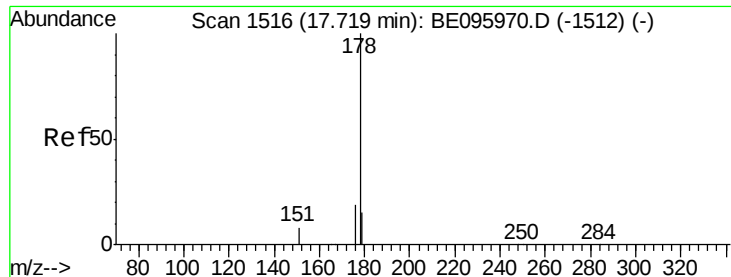


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.359 ng

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

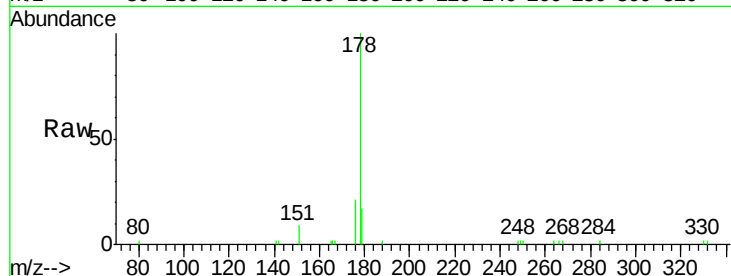
Tot Ion:178 Resp: 3336

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

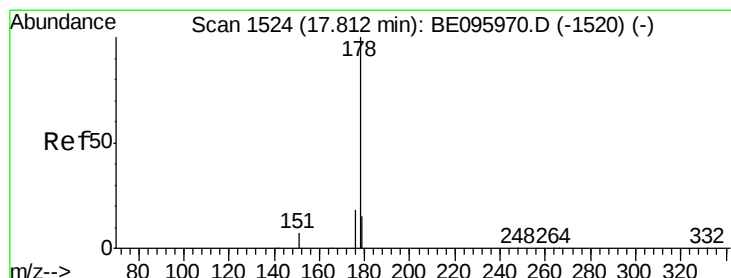
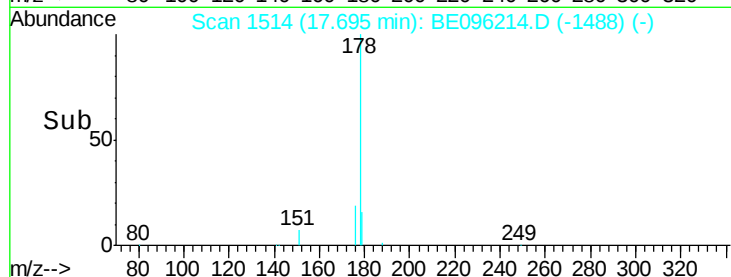
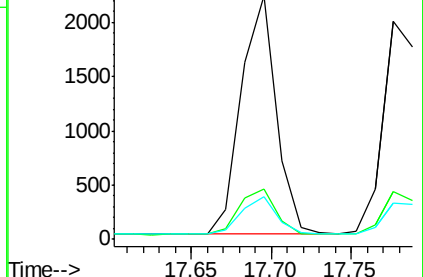
179 15.8 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.361 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

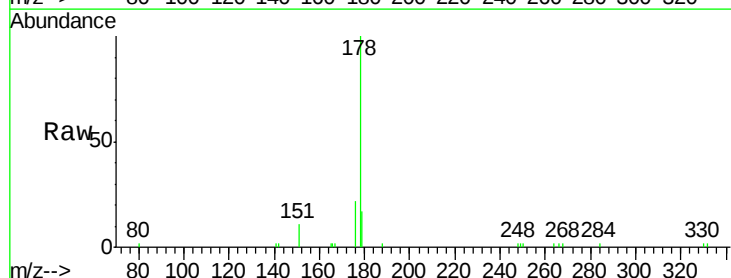
Tgt Ion:178 Resp: 3211

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2

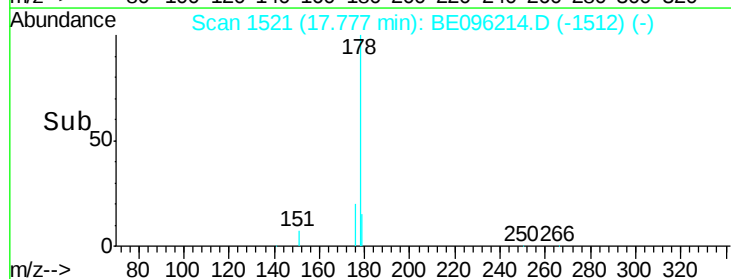
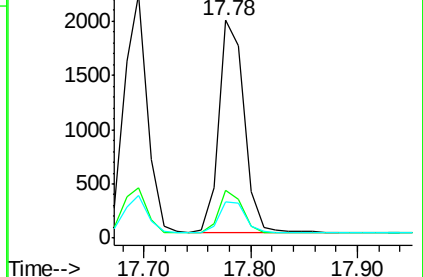
179 15.2 13.0 19.6

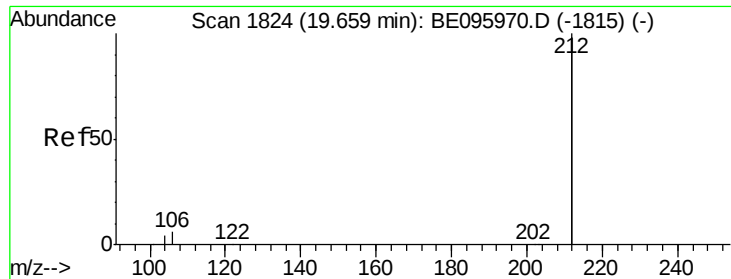


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

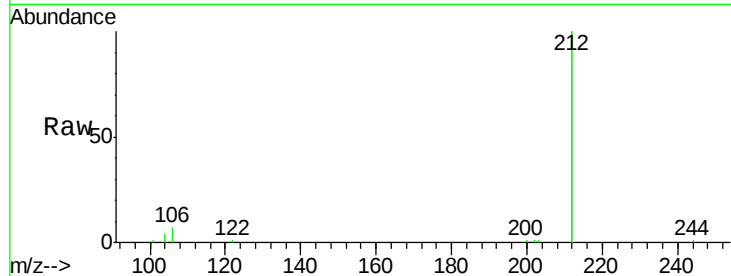
Tot Ion:212 Resp: 15481

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

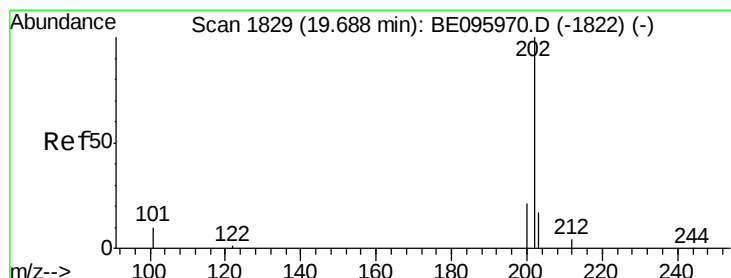
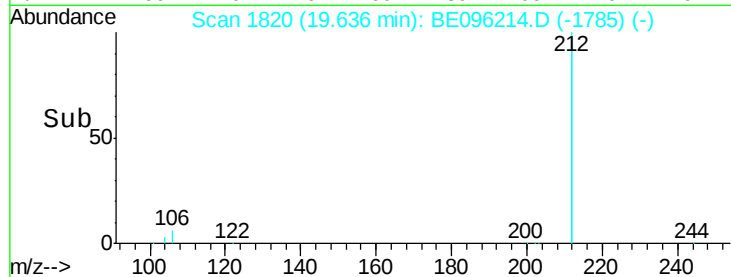
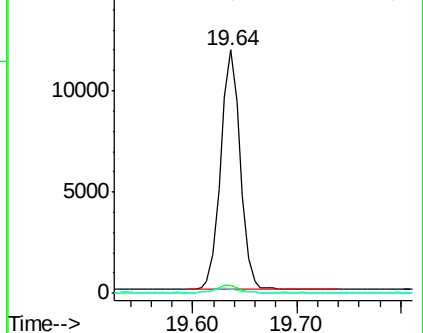
104 1.8 1.6 2.4



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: 0.359 ng

RT: 19.66 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

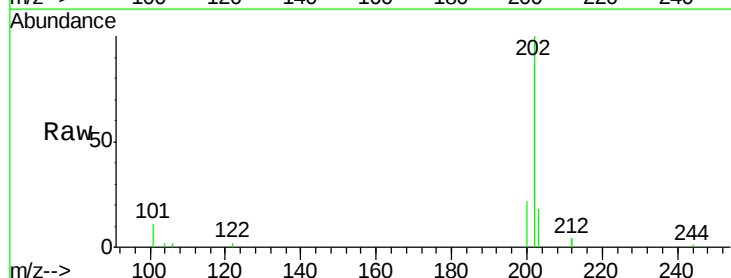
Tgt Ion:202 Resp: 4385

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

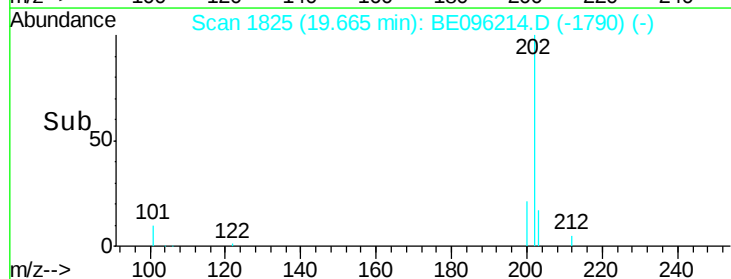
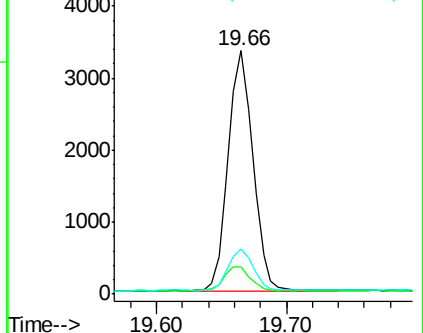
203 17.7 13.7 20.5



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: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

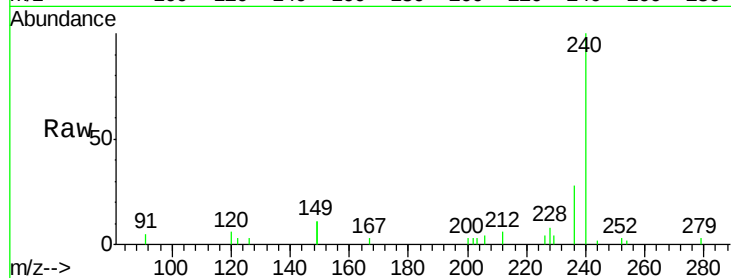
Tot Ion:240 Resp: 3690

Ion Ratio Lower Upper

240 100

120 6.5 5.5 8.3

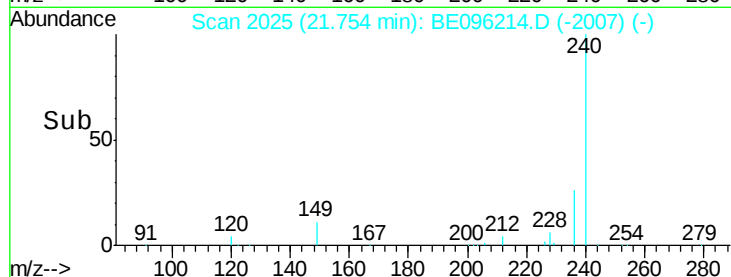
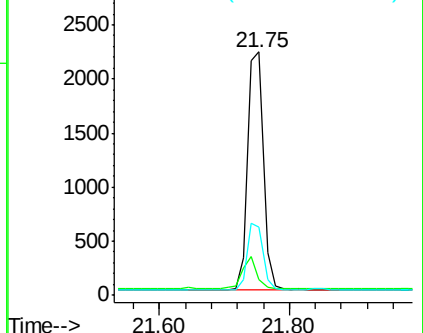
236 27.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.029 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

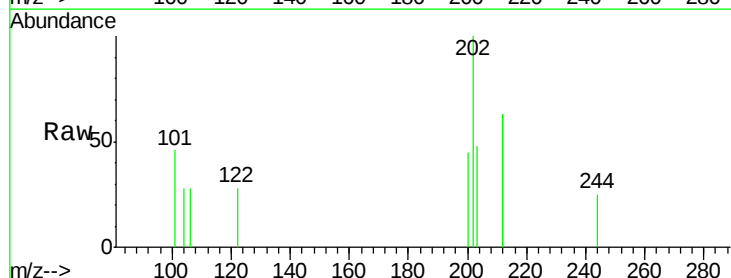
Tgt Ion:202 Resp: 213

Ion Ratio Lower Upper

202 100

200 22.5 16.6 25.0

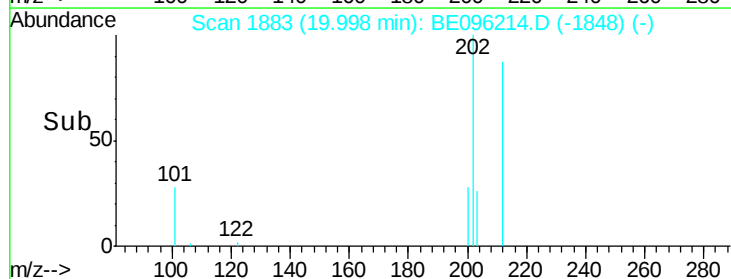
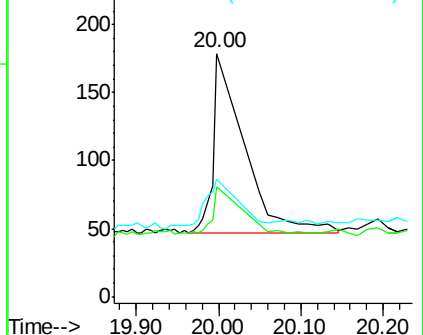
203 36.6 13.8 20.8#



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: 0.335 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

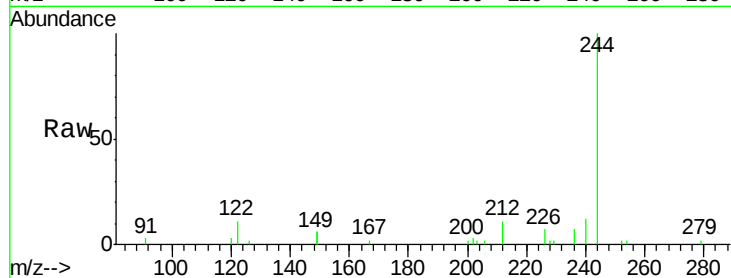
Tot Ion:244 Resp: 2735

Ion Ratio Lower Upper

244 100

212 11.3 25.4 38.0#

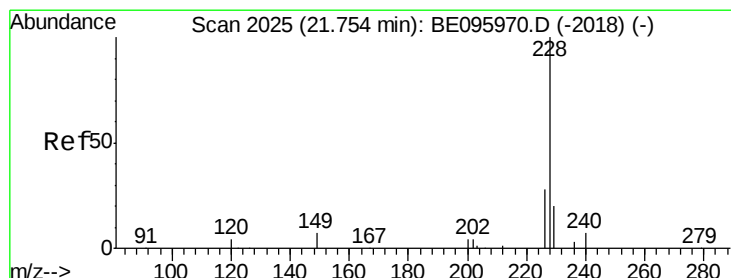
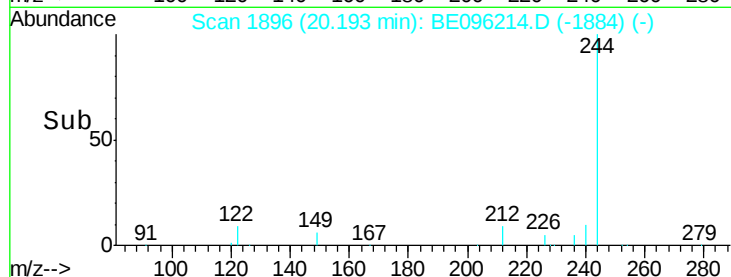
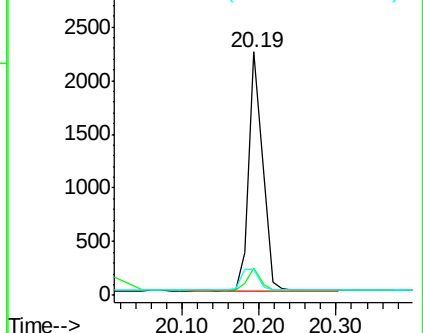
122 10.9 8.1 12.1



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: 0.365 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

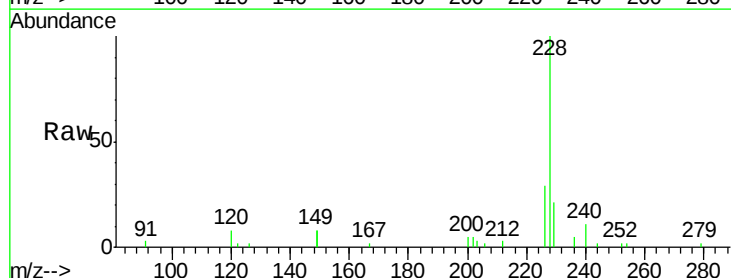
Tgt Ion:228 Resp: 4321

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

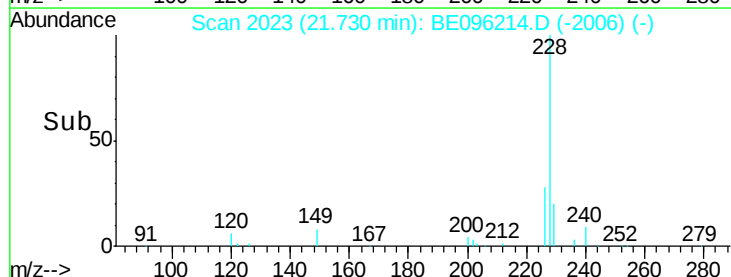
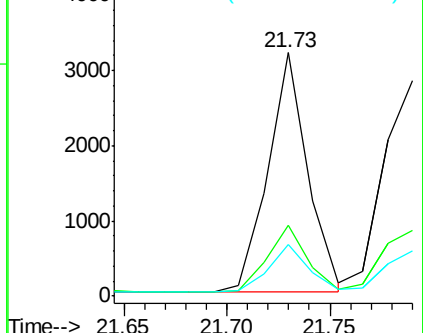
229 21.0 16.0 24.0



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: 0.373 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

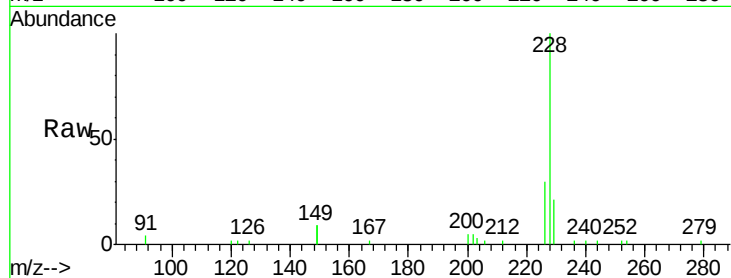
Tot Ion:228 Resp: 4266

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

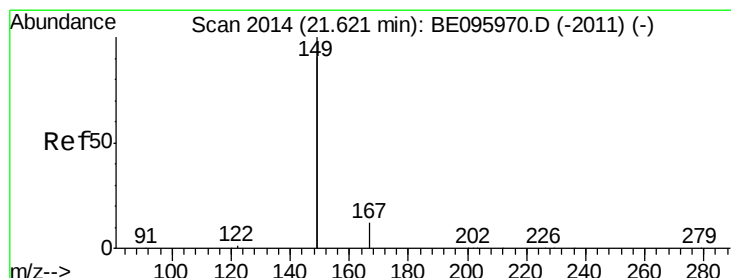
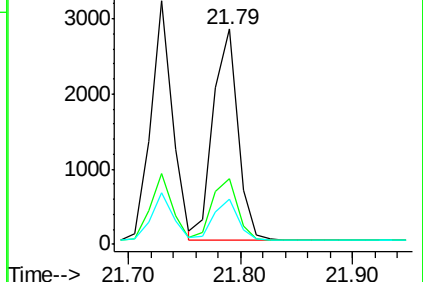
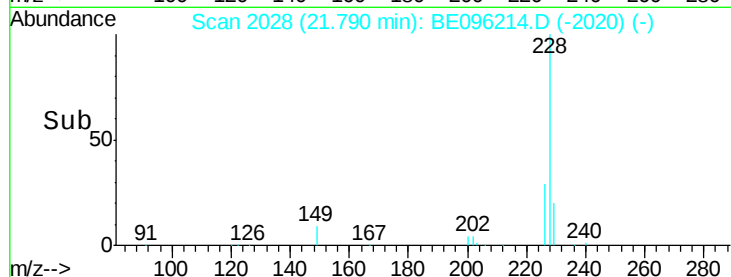
229 21.3 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.346 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

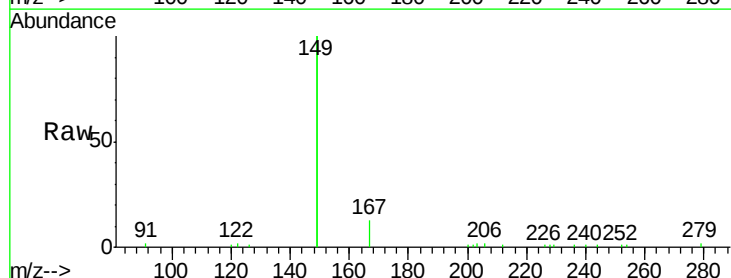
Tgt Ion:149 Resp: 10575

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

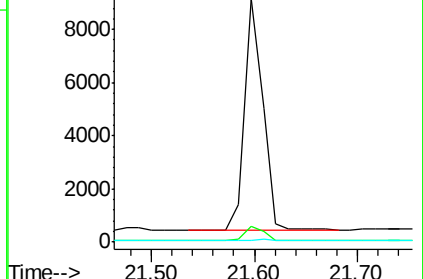
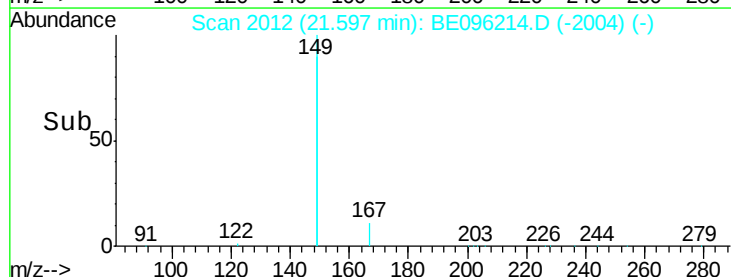
279 0.8 0.7 1.1



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

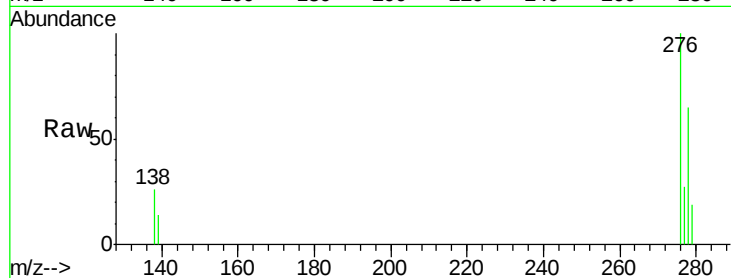




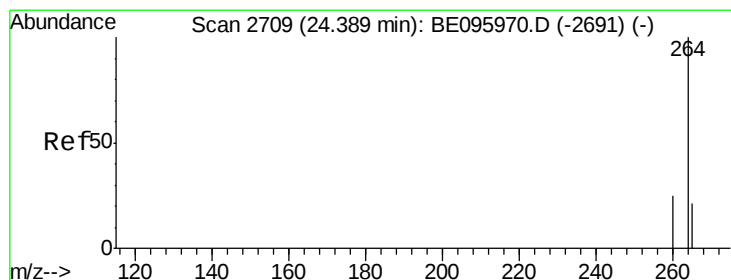
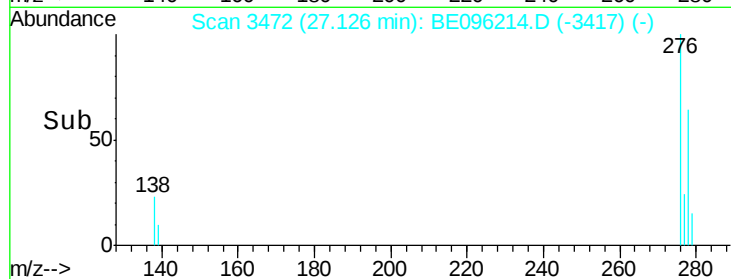
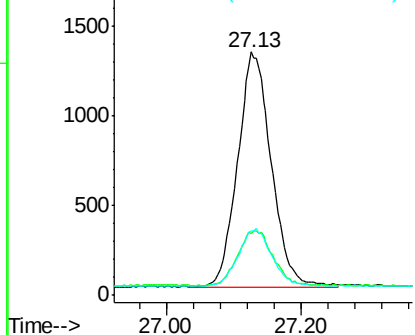
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.407 ng
 RT: 27.13 min Scan# 3472
 Delta R.T. -0.00 min
 Lab File: BE096214.D
 Acq: 30 Apr 2018 10:35

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 4516
 Ion Ratio Lower Upper
 276 100
 138 24.1 22.5 33.7
 277 24.8 19.9 29.9

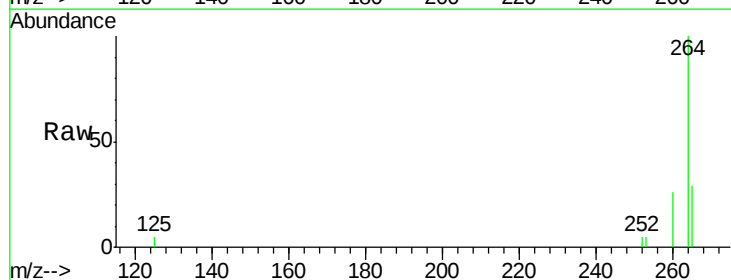


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

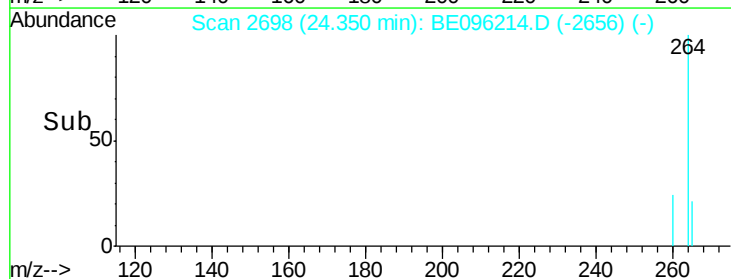
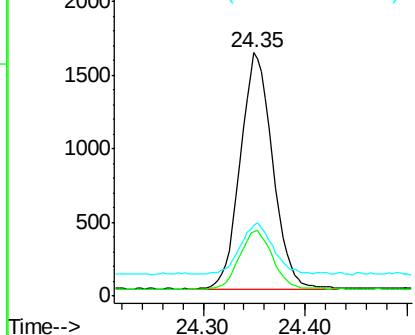


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.35 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE096214.D
 Acq: 30 Apr 2018 10:35

Tgt Ion:264 Resp: 3545
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.5 30.7
 265 29.2 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

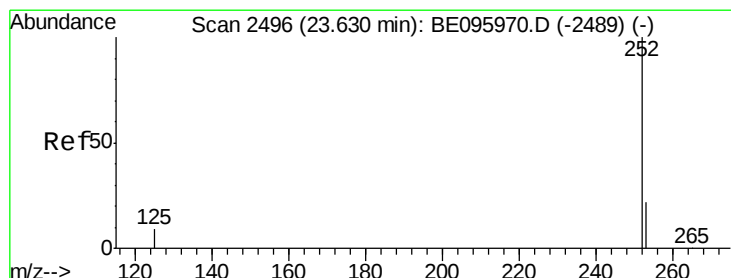
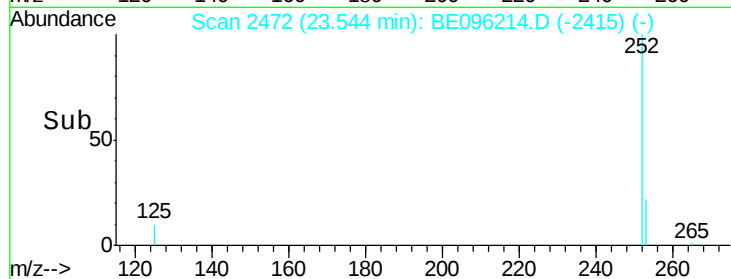
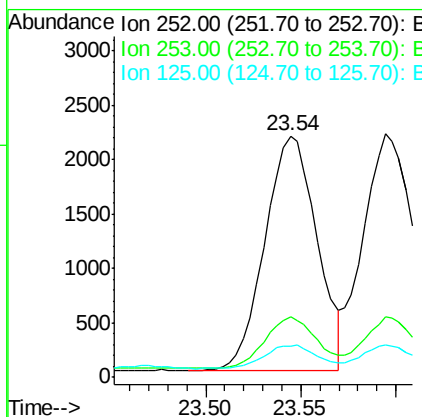
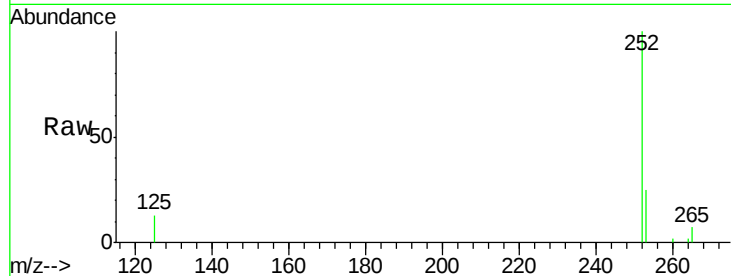




#35
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 23.54 min Scan# 2472
Delta R.T. 0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

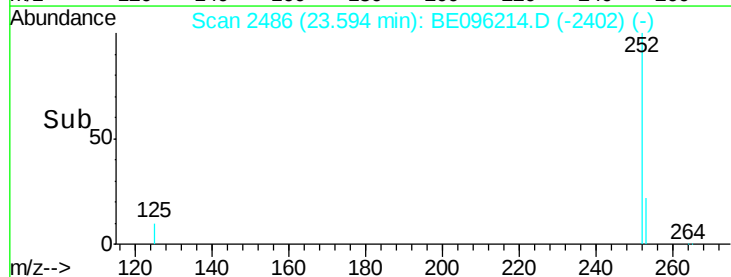
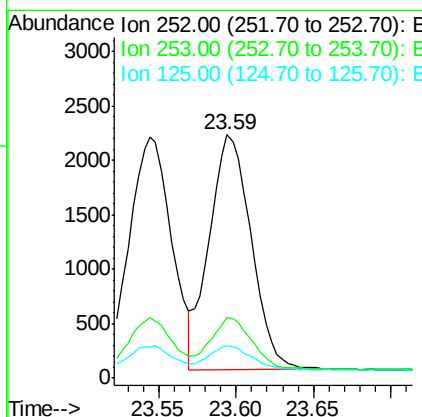
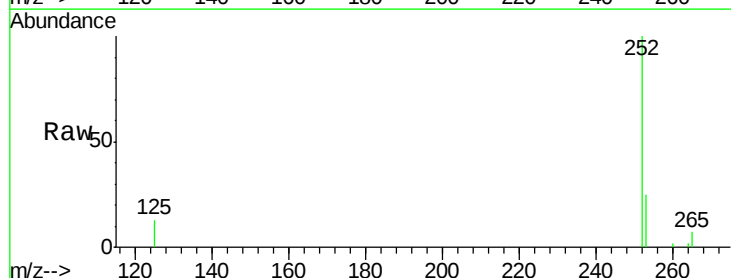
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 4088
Ion Ratio Lower Upper
252 100
253 25.0 20.0 30.0
125 13.1 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 23.59 min Scan# 2486
Delta R.T. -0.00 min
Lab File: BE096214.D
Acq: 30 Apr 2018 10:35

Tgt Ion:252 Resp: 4077
Ion Ratio Lower Upper
252 100
253 24.7 16.0 24.0#
125 13.4 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.382 ng

RT: 24.24 min Scan# 2666

Delta R.T. 0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :

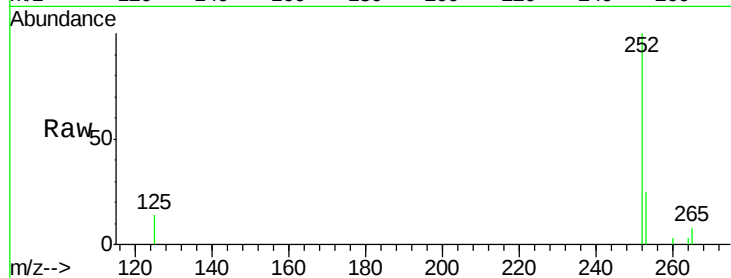
Tot Ion:252 Resp: 3902

Ion Ratio Lower Upper

252 100

253 24.5 16.0 24.0#

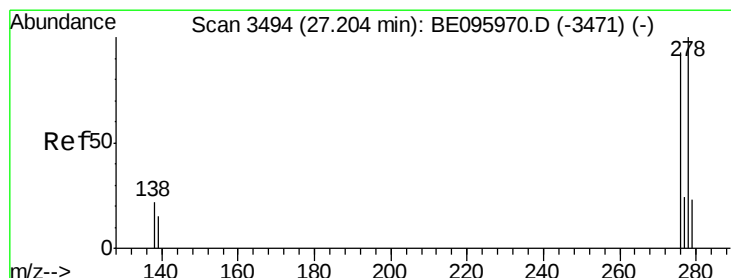
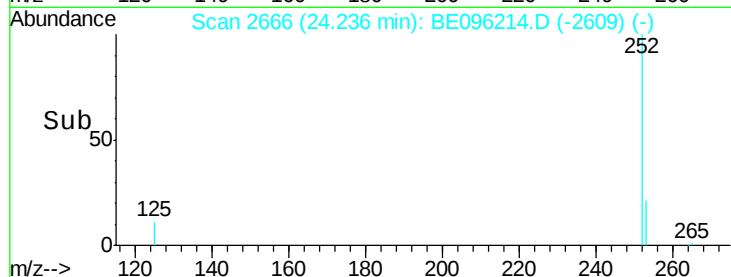
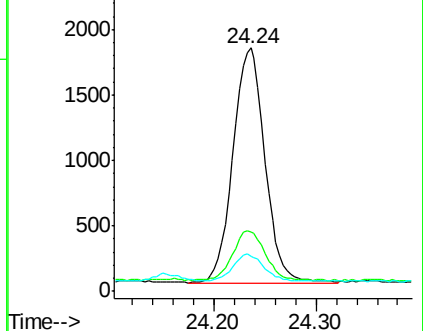
125 14.5 12.0 18.0



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: 0.405 ng

RT: 27.14 min Scan# 3476

Delta R.T. -0.00 min

Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

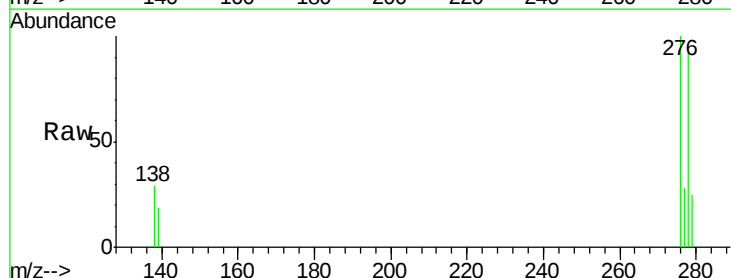
Tgt Ion:278 Resp: 3650

Ion Ratio Lower Upper

278 100

139 20.3 16.0 24.0

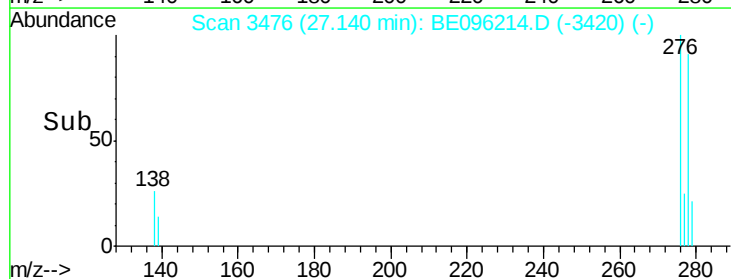
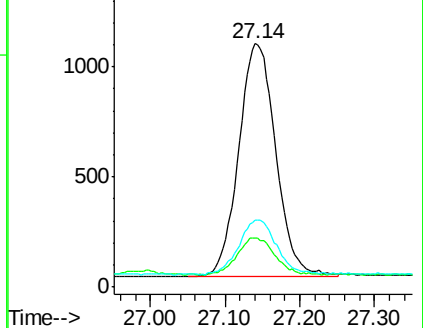
279 27.7 20.0 30.0



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: 0.395 ng

RT: 27.99 min Scan# 3715

Delta R.T. -0.00 min

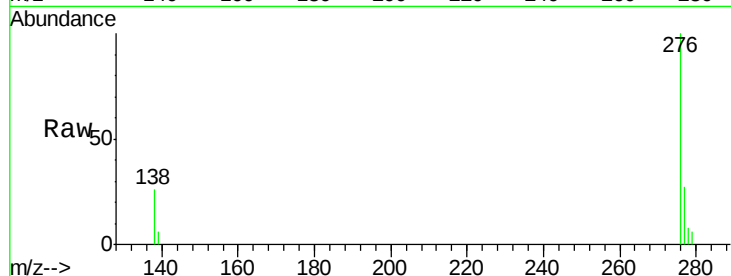
Lab File: BE096214.D

Acq: 30 Apr 2018 10:35

Instrument :

BNA_E

ClientSampleId :



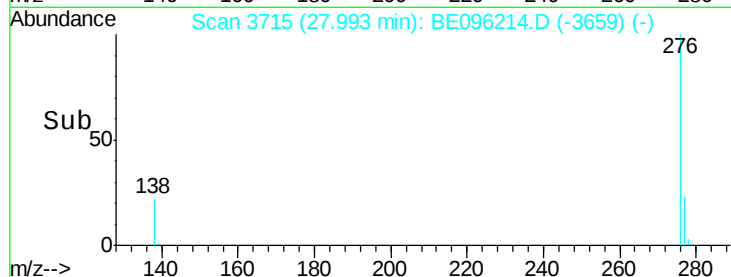
Tot Ion: 276 Resp: 3761

Ion Ratio Lower Upper

276 100

277 27.1 16.0 24.0#

138 25.7 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

