

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
 Data File : BE096313.D
 Acq On : 3 May 2018 2:52
 Operator : SJ/JU
 Sample : J2662-02MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 03 03:44:41 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	884	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3370	0.40	ng	0.00
13) Acenaphthene-d10	14.93	164	1808	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	4015	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3904	0.40	ng	0.00
34) Perylene-d12	24.34	264	3606	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.87	112	493	0.18	ng	0.00
5) Phenol-d6	7.52	99	417	0.11	ng	0.00
8) Nitrobenzene-d5	9.45	82	143	0.04	ng	-0.09
11) 2-Methylnaphthalene-d10	12.73	152	2156	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	341	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	5569	0.72	ng	0.00
25) Fluoranthene-d10	19.63	212	22948	0.42	ng	0.00
29) Terphenyl-d14	20.19	244	5619	0.65	ng	0.00

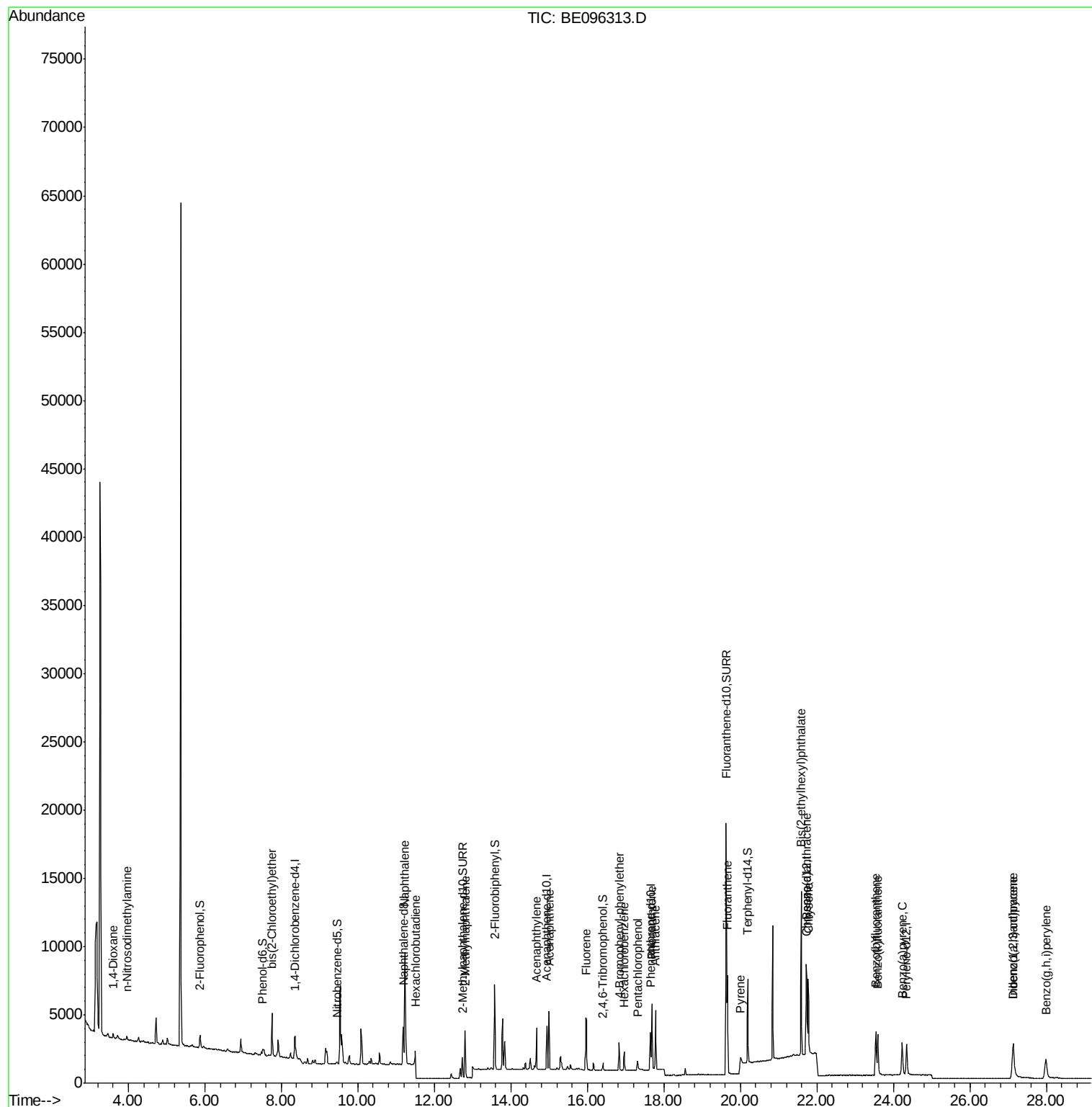
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.60	88	222	0.163	ng	# 82
3) n-Nitrosodimethylamine	3.96	42	268	0.160	ng	# 68
6) bis(2-Chloroethyl)ether	7.76	93	1125	0.339	ng	99
9) Naphthalene	11.23	128	14338	0.404	ng	99
10) Hexachlorobutadiene	11.50	225	588	0.373	ng	# 87
12) 2-Methylnaphthalene	12.80	142	2414	0.411	ng	95
16) Acenaphthylene	14.67	152	3803	0.394	ng	100
17) Acenaphthene	15.00	154	2261	0.390	ng	93
18) Fluorene	15.97	166	3048	0.425	ng	# 78
20) 4-Bromophenyl-phenylether	16.83	248	929	0.389	ng	# 81
21) Hexachlorobenzene	16.96	284	928	0.391	ng	# 80
22) Pentachlorophenol	17.31	266	418	0.517	ng	# 81
23) Phenanthrene	17.68	178	4883	0.433	ng	98
24) Anthracene	17.78	178	4605	0.427	ng	# 95
26) Fluoranthene	19.66	202	6212	0.419	ng	# 97
28) Pyrene	20.00	202	604	0.079	ng	# 79
30) Benzo(a)anthracene	21.73	228	5241	0.419	ng	97
31) Chrysene	21.78	228	5141	0.425	ng	97
32) Bis(2-ethylhexyl)phthalate	21.60	149	12994	0.402	ng	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	4237	0.361	ng	94
35) Benzo(b)fluoranthene	23.54	252	4751	0.439	ng	# 93
36) Benzo(k)fluoranthene	23.59	252	4970	0.447	ng	# 91
37) Benzo(a)pyrene	24.23	252	4373	0.421	ng	# 92
38) Dibenzo(a,h)anthracene	27.14	278	3242	0.354	ng	92
39) Benzo(g,h,i)perylene	27.99	276	3938	0.406	ng	# 92

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

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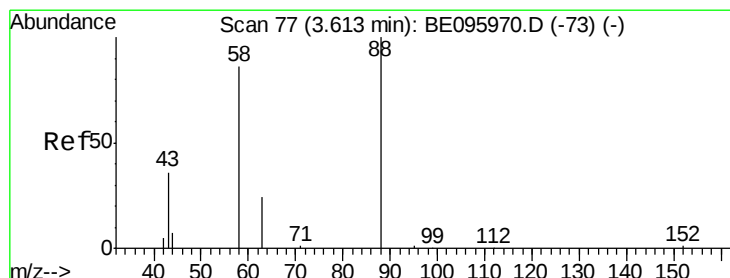
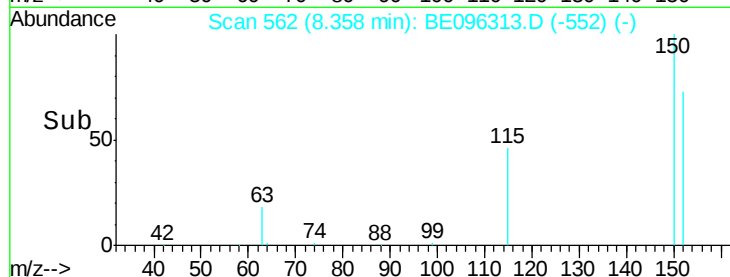
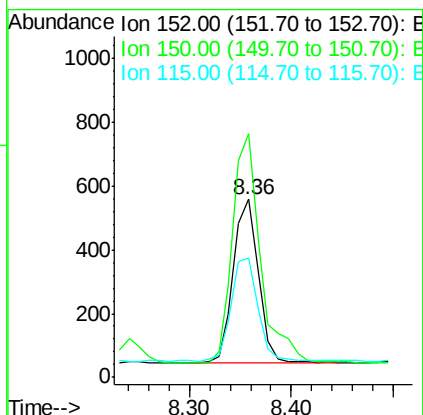
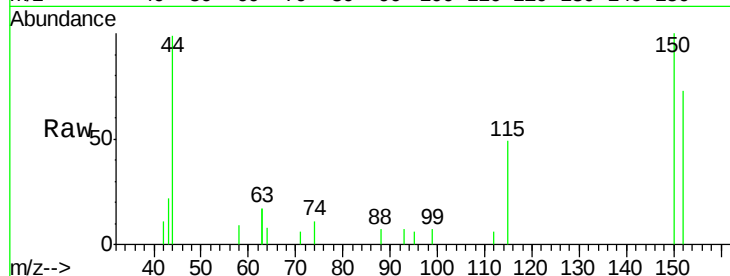


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: BE096313.D
 Acq: 3 May 2018 2:52

Instrument :
 BNA_E
 ClientSampled :

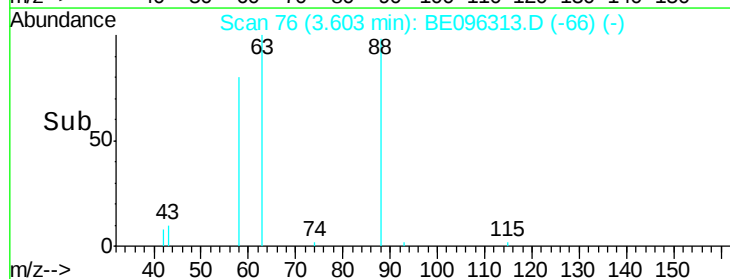
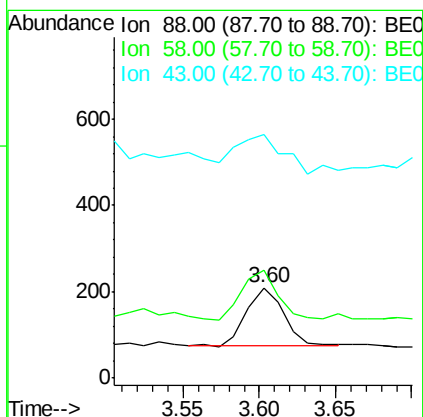
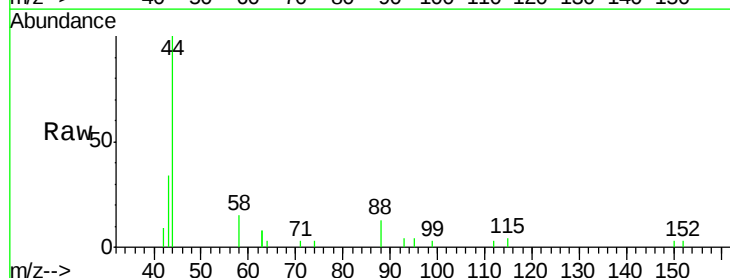
Tot Ion:152 Resp: 884
 Ion Ratio Lower Upper
 152 100
 150 136.9 117.2 175.8
 115 67.2 57.0 85.6

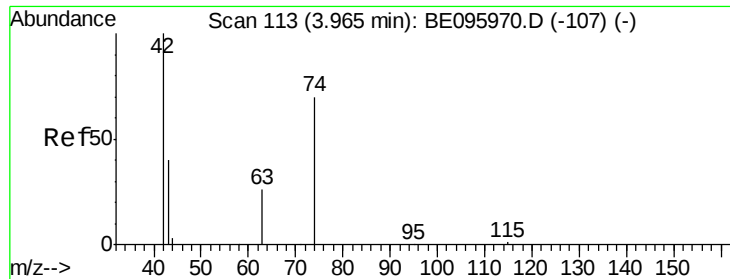


#2

1,4-Dioxane
 Concen: 0.163 ng
 RT: 3.60 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: BE096313.D
 Acq: 3 May 2018 2:52

Tgt Ion: 88 Resp: 222
 Ion Ratio Lower Upper
 88 100
 58 86.0 63.2 94.8
 43 74.8 41.2 61.8#



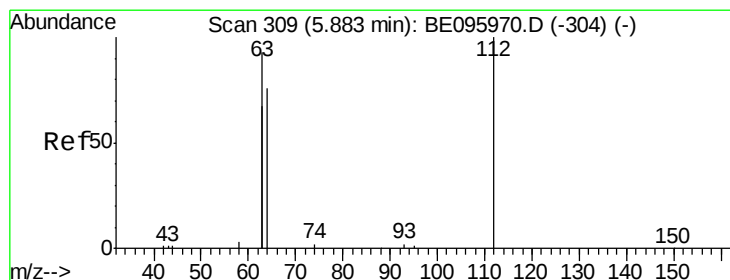
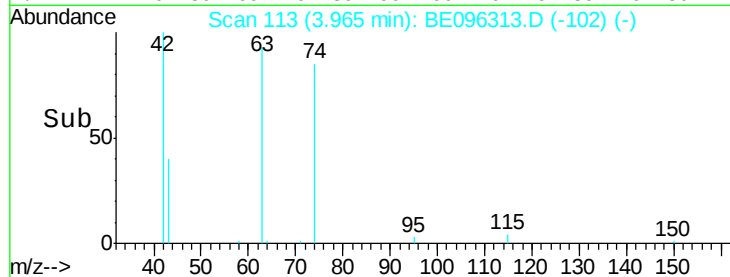
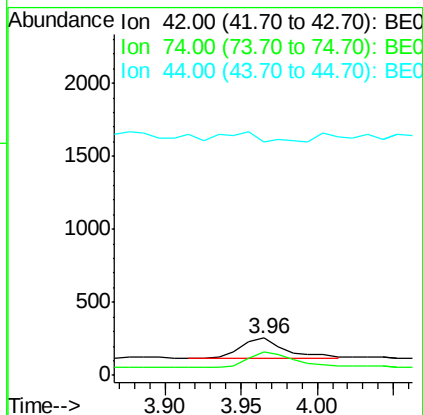
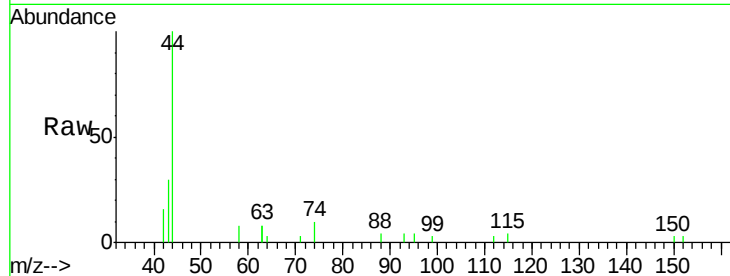


#3

n-Nitrosodimethylamine
 Concen: 0.160 ng
 RT: 3.96 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BE096313.D
 Acq: 3 May 2018 2:52

Instrument :
 BNA_E
 ClientSampled :

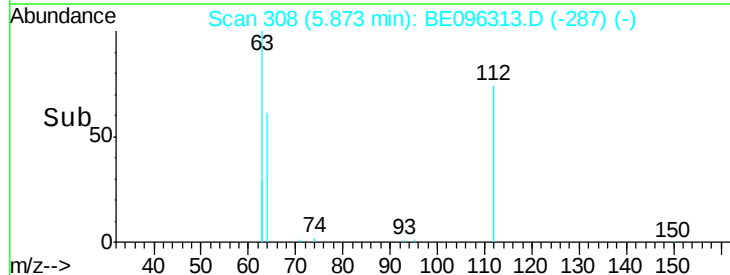
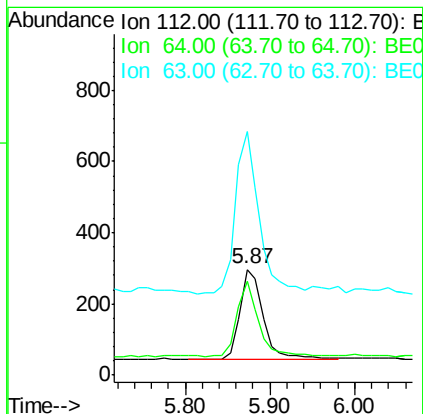
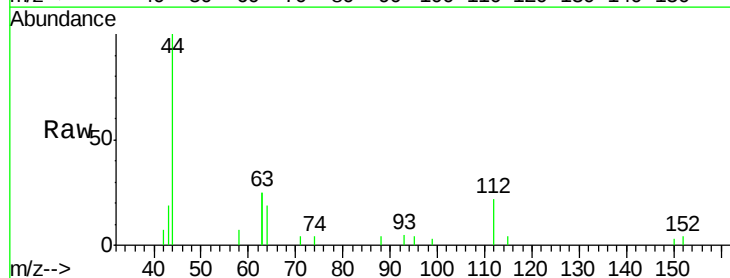
Tot Ion: 42 Resp: 268
 Ion Ratio Lower Upper
 42 100
 74 84.7 96.0 144.0#
 44 29.5 12.0 18.0#

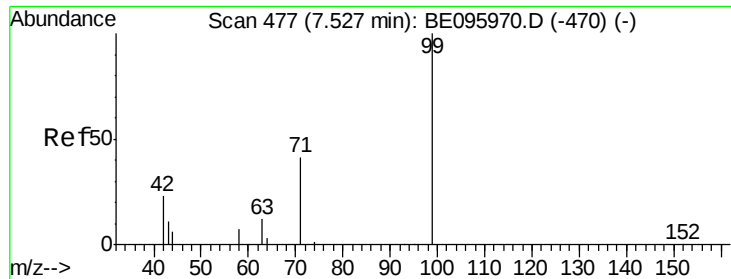


#4

2-Fluorophenol
 Concen: 0.180 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096313.D
 Acq: 3 May 2018 2:52

Tgt Ion: 112 Resp: 493
 Ion Ratio Lower Upper
 112 100
 64 78.1 60.1 90.1
 63 179.7 116.8 175.2#





#5

Phenol-d6

Concen: 0.111 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

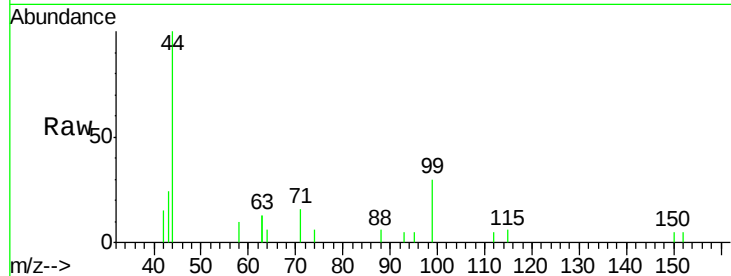
Tot Ion: 99 Resp: 417

Ion Ratio Lower Upper

99 100

42 27.6 20.2 30.2

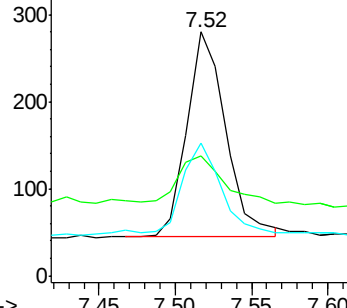
71 46.8 28.4 42.6#



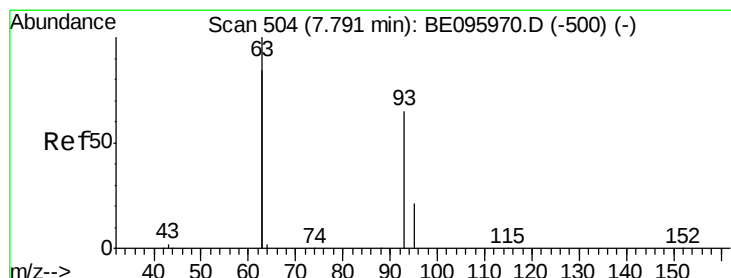
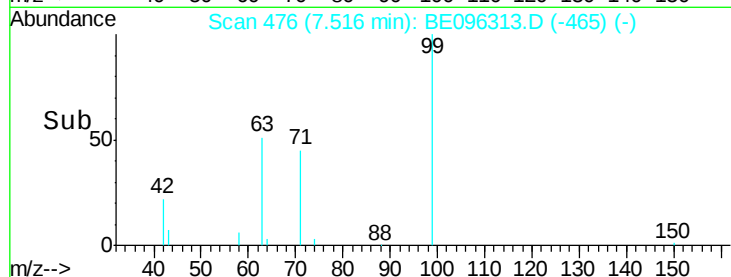
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.339 ng

RT: 7.76 min Scan# 501

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

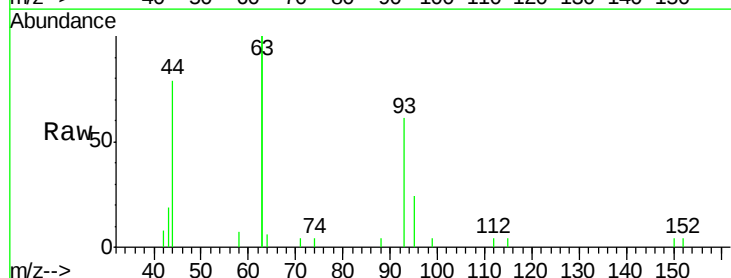
Tgt Ion: 93 Resp: 1125

Ion Ratio Lower Upper

93 100

63 346.6 275.3 412.9

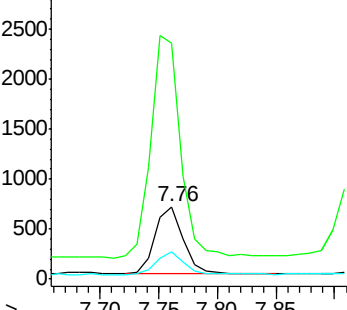
95 33.1 25.2 37.8



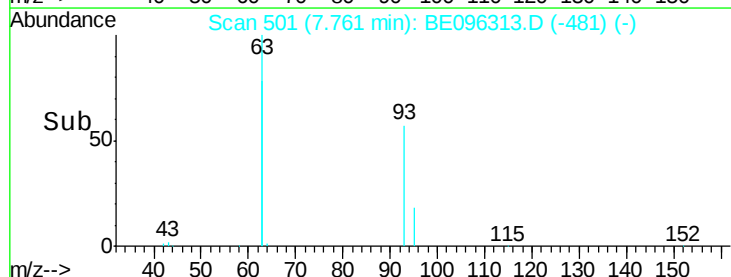
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 3370

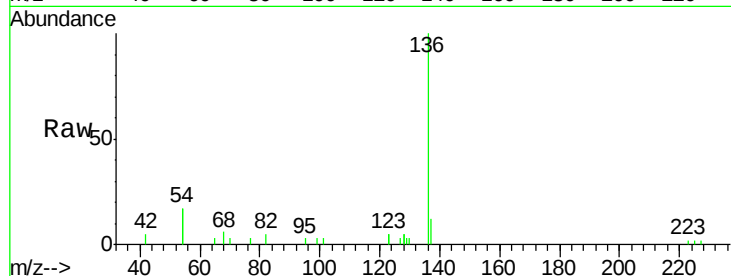
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 33.5 29.1 43.7

68 6.5 6.2 9.2

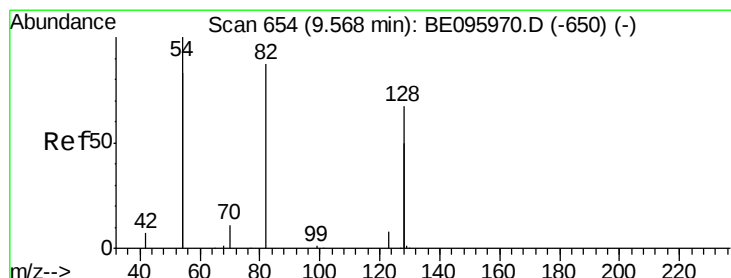
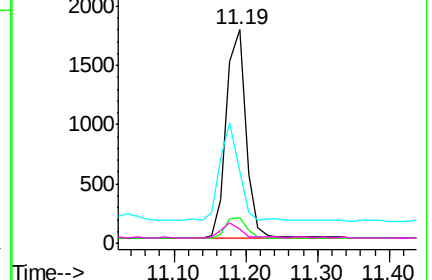
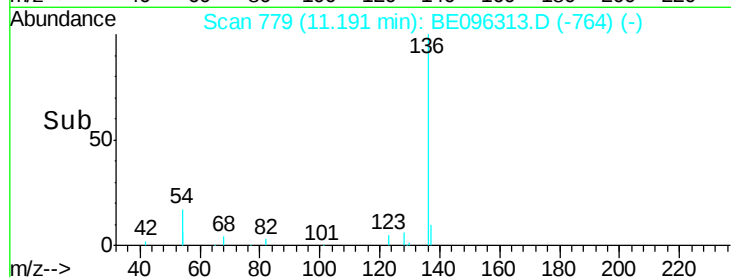


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.036 ng

RT: 9.45 min Scan# 645

Delta R.T. -0.09 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

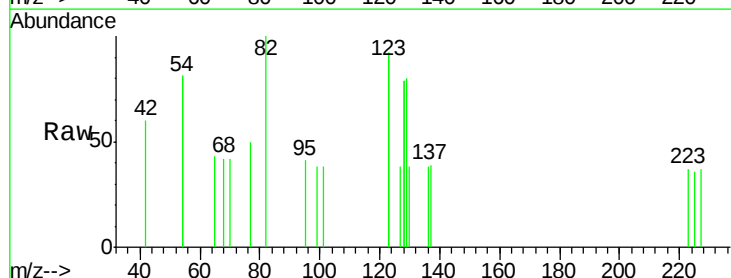
Tgt Ion: 82 Resp: 143

Ion Ratio Lower Upper

82 100

128 158.3 150.0 225.0

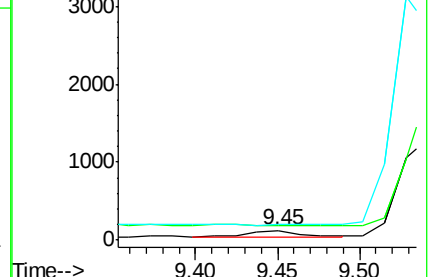
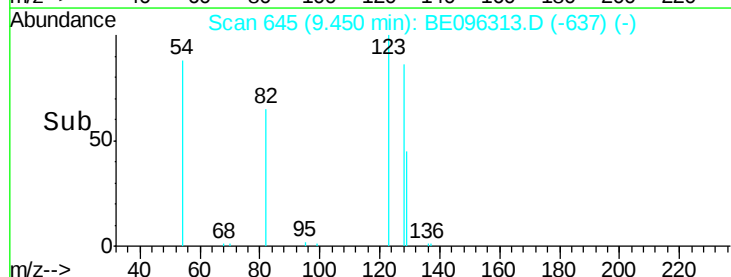
54 161.7 154.2 231.4



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: 0.404 ng

RT: 11.23 min Scan# 782

Delta R.T. -0.01 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

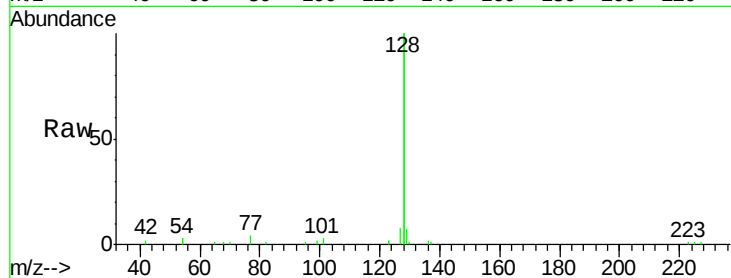
Tot Ion:128 Resp: 14338

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

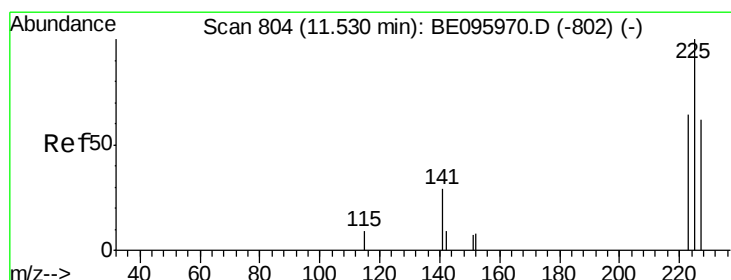
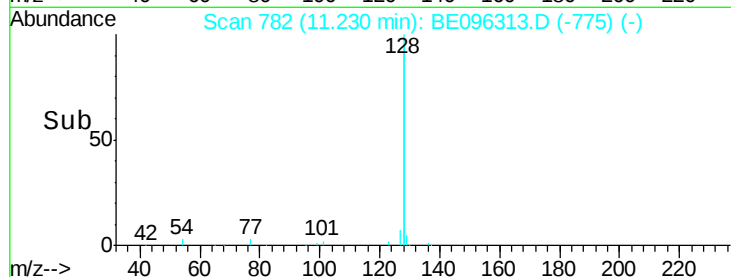
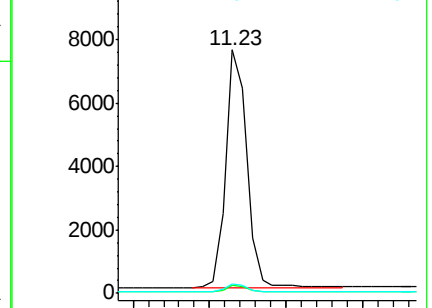
127 4.1 2.8 4.2



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: 0.373 ng

RT: 11.50 min Scan# 803

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

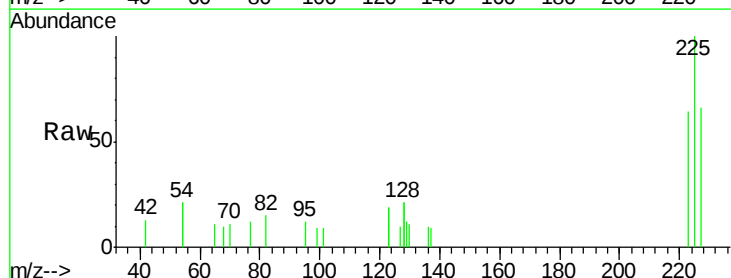
Tgt Ion:225 Resp: 588

Ion Ratio Lower Upper

225 100

223 49.0 53.0 79.6#

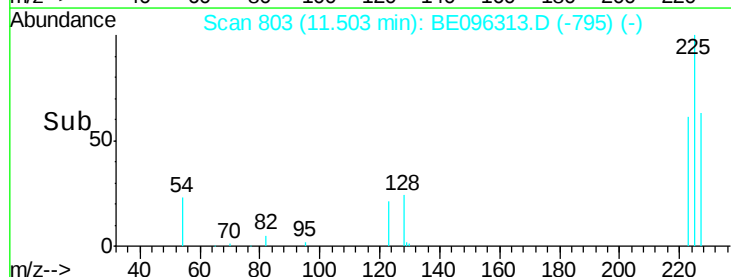
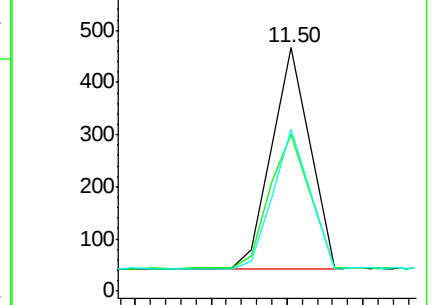
227 60.5 51.4 77.2

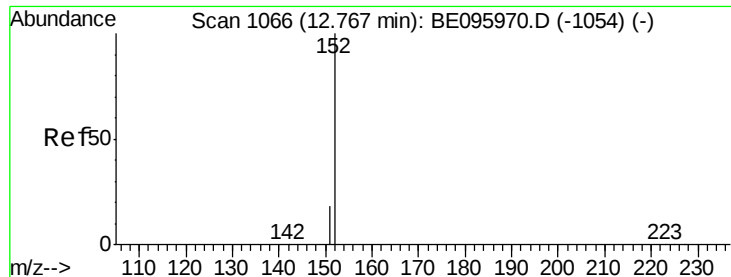


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

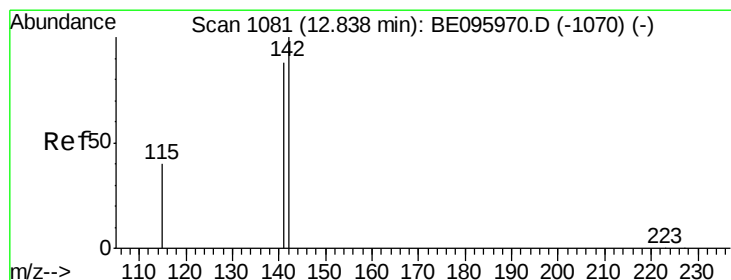
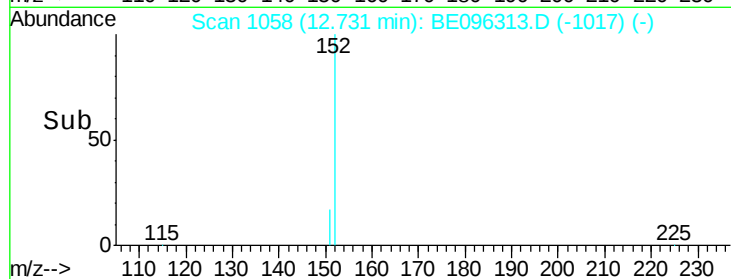
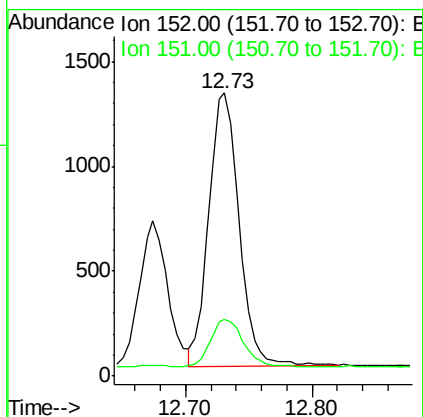
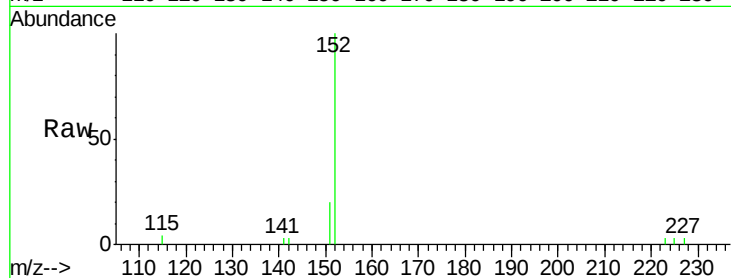




#11
 2-Methylnaphthalene-d10
 Concen: 0.404 ng
 RT: 12.73 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: BE096313.D
 Acq: 3 May 2018 2:52

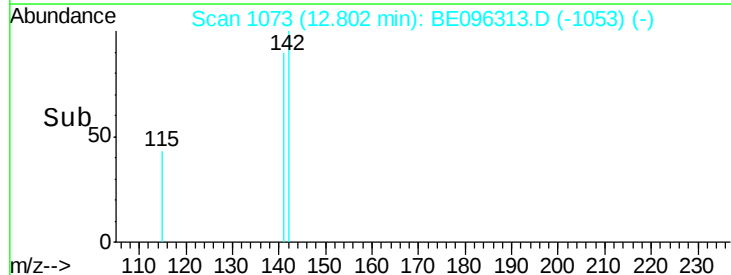
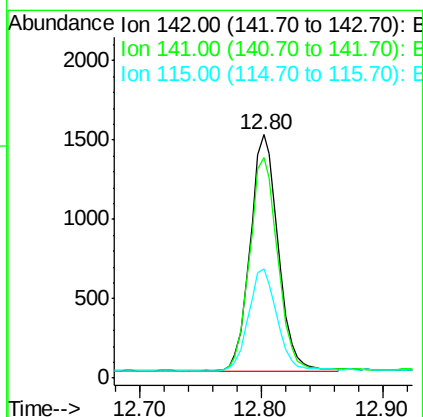
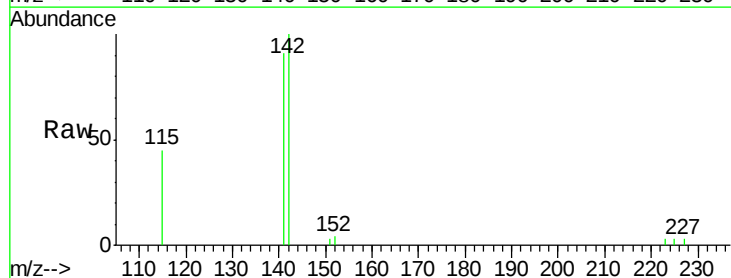
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 2156
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.411 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE096313.D
 Acq: 3 May 2018 2:52

Tgt Ion:142 Resp: 2414
 Ion Ratio Lower Upper
 142 100
 141 90.6 70.4 105.6
 115 44.9 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.93 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

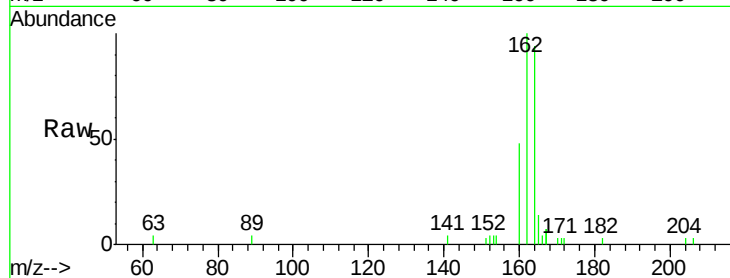
Tot Ion:164 Resp: 1808

Ion Ratio Lower Upper

164 100

162 106.8 83.1 124.7

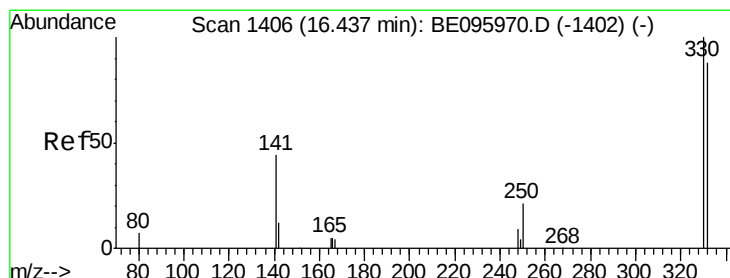
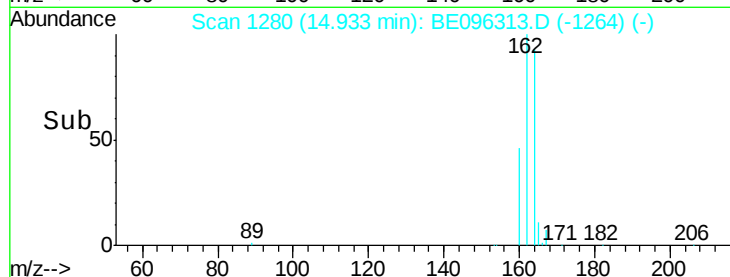
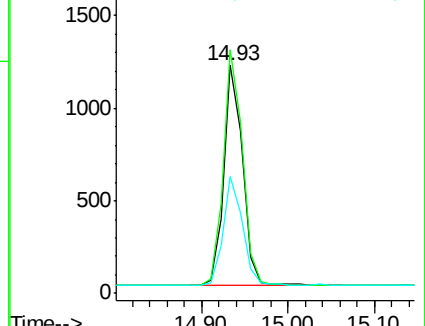
160 51.1 37.1 55.7



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: 0.391 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

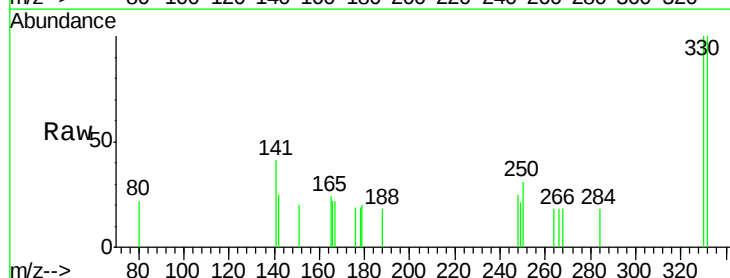
Tgt Ion:330 Resp: 341

Ion Ratio Lower Upper

330 100

332 92.7 152.7 229.1#

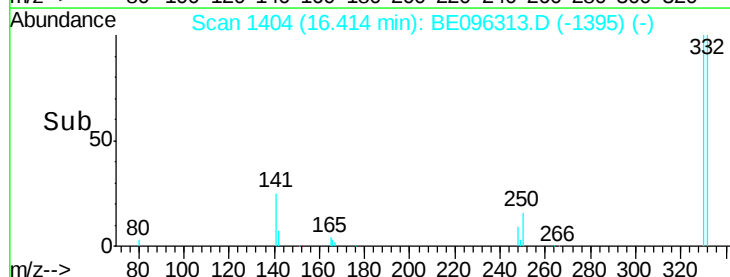
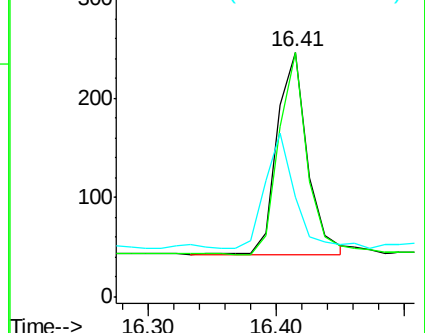
141 55.4 33.7 50.5#

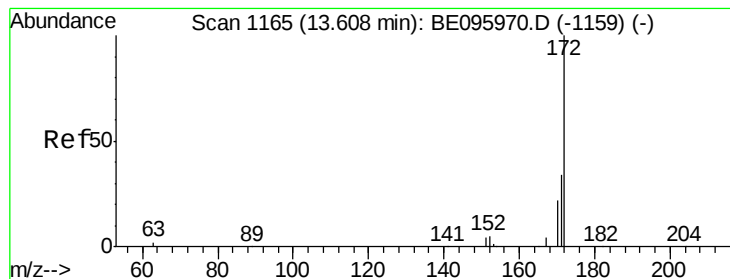


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.720 ng

RT: 13.57 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

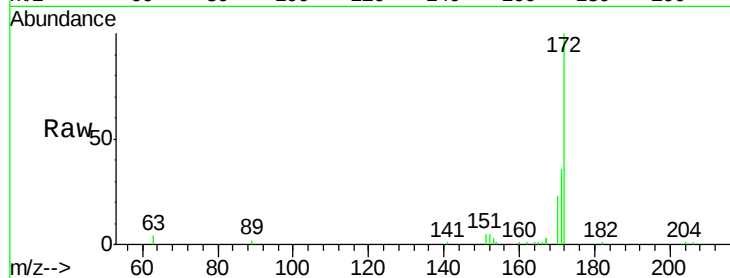
Tot Ion:172 Resp: 5569

Ion Ratio Lower Upper

172 100

171 35.6 29.9 44.9

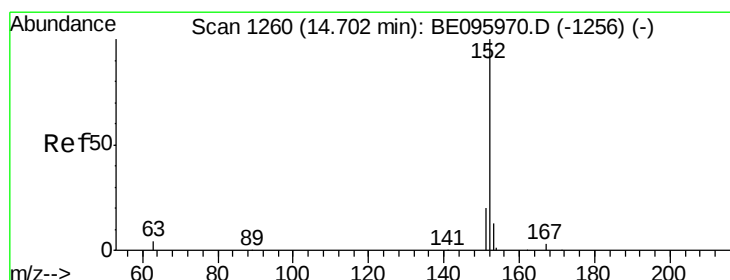
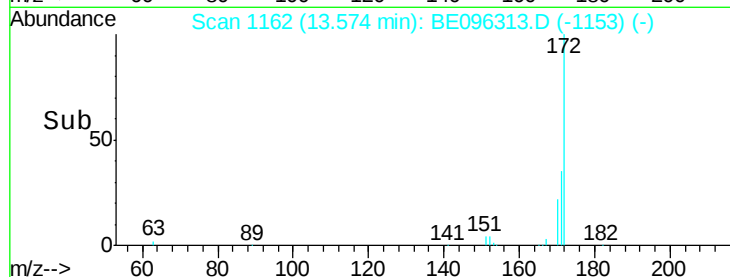
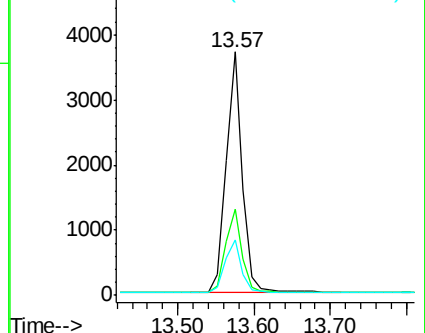
170 22.6 21.8 32.8



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



#16

Acenaphthylene

Concen: 0.394 ng

RT: 14.67 min Scan# 1257

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

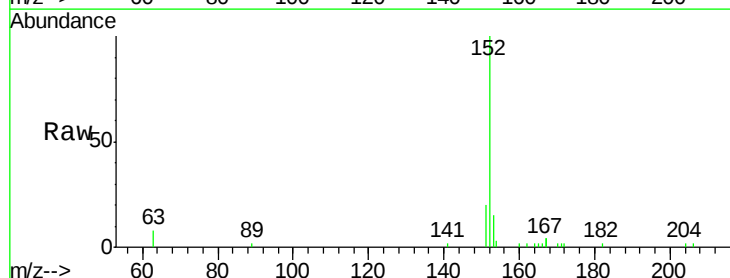
Tgt Ion:152 Resp: 3803

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

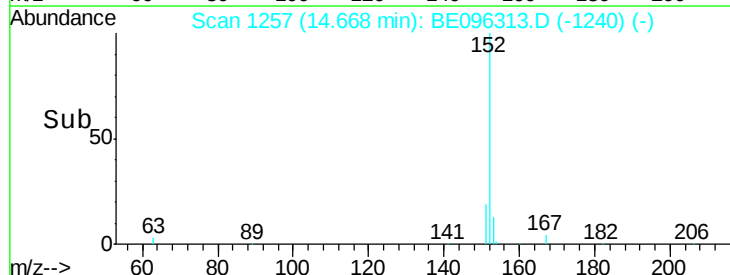
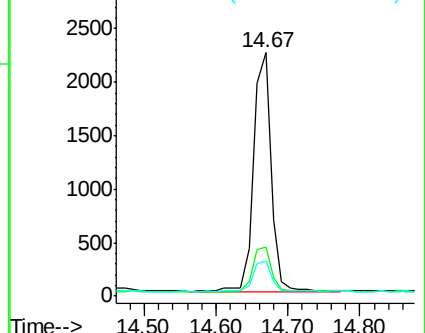
153 13.0 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.390 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

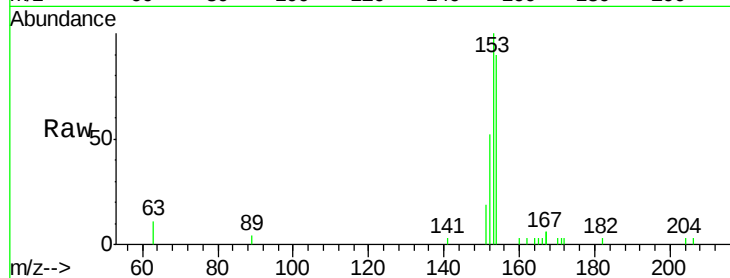
Tot Ion:154 Resp: 2261

Ion Ratio Lower Upper

154 100

153 117.1 89.2 133.8

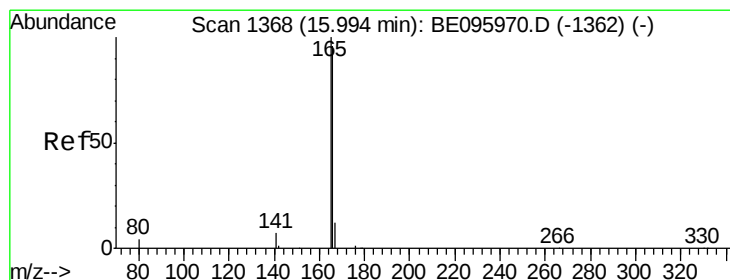
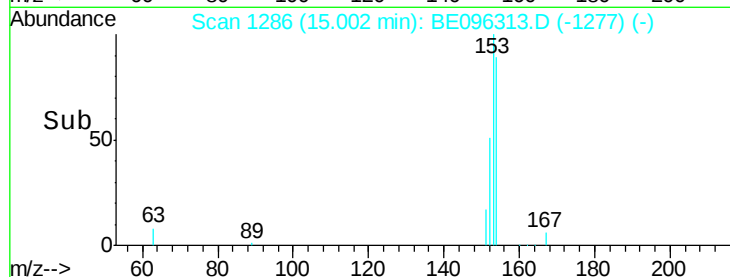
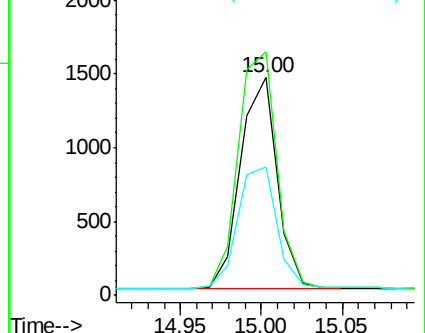
152 60.5 42.0 63.0



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: 0.425 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

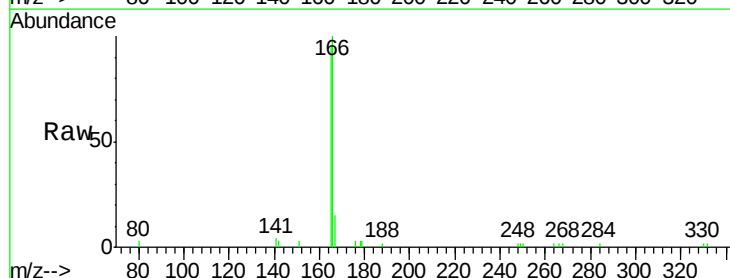
Tgt Ion:166 Resp: 3048

Ion Ratio Lower Upper

166 100

165 100.2 77.8 116.6

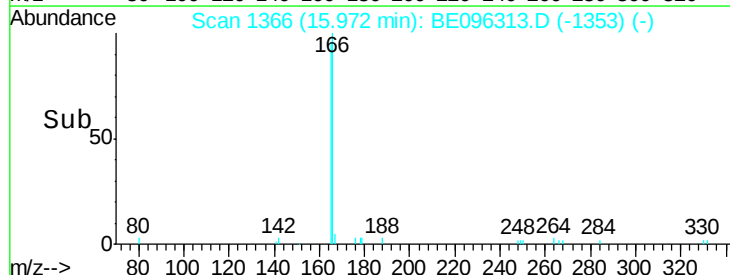
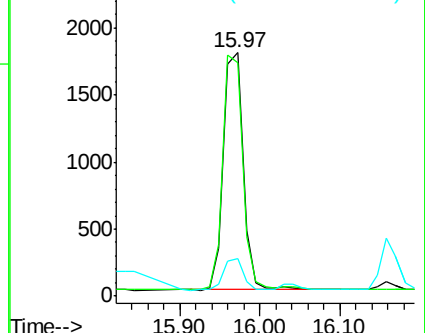
167 13.1 42.4 63.6#



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: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

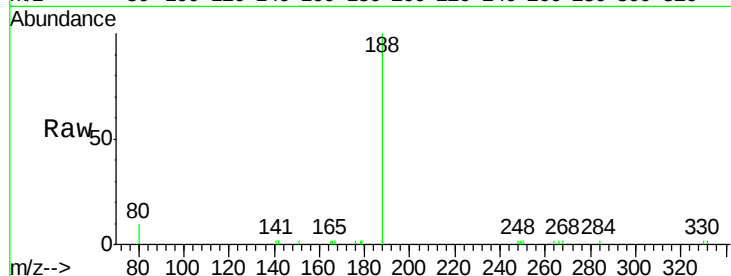
Tot Ion:188 Resp: 4015

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

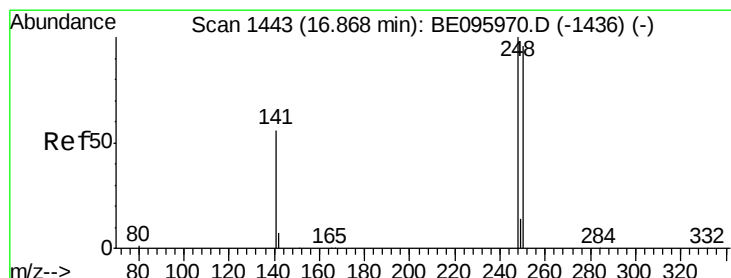
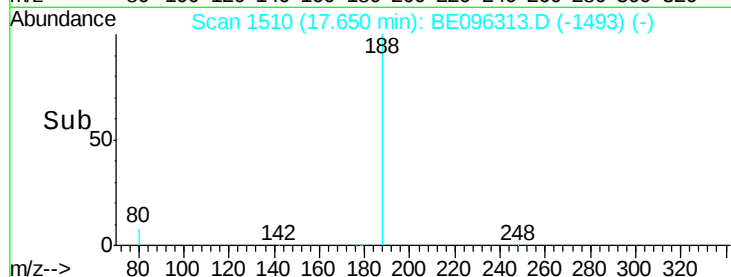
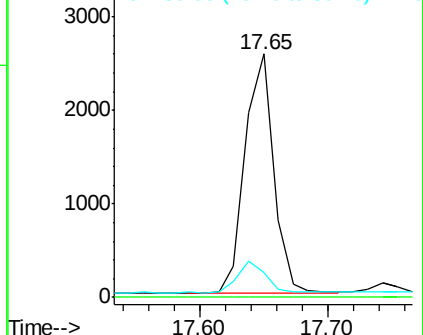
80 10.1 3.6 5.4#



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: 0.389 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

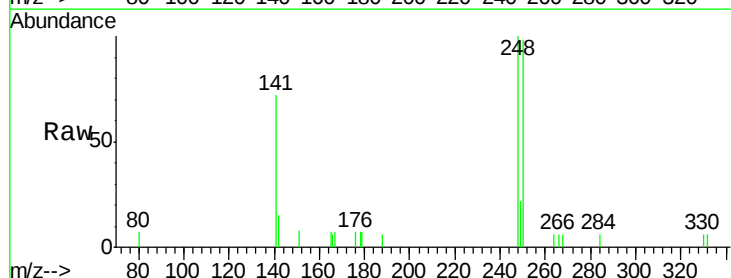
Tgt Ion:248 Resp: 929

Ion Ratio Lower Upper

248 100

250 97.7 62.7 94.1#

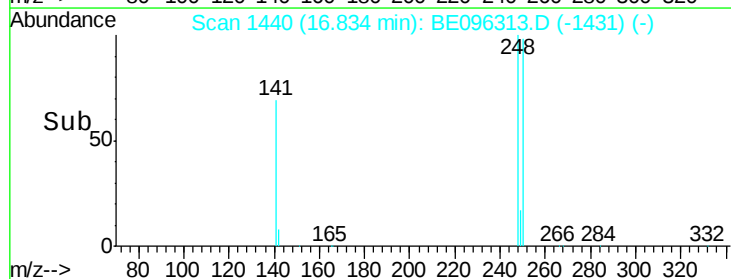
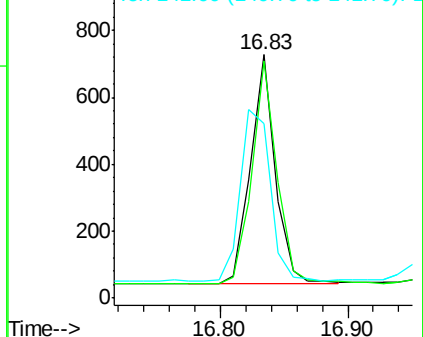
141 71.7 48.2 72.2

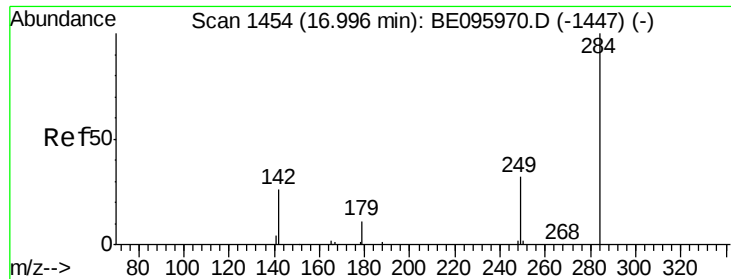


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.391 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

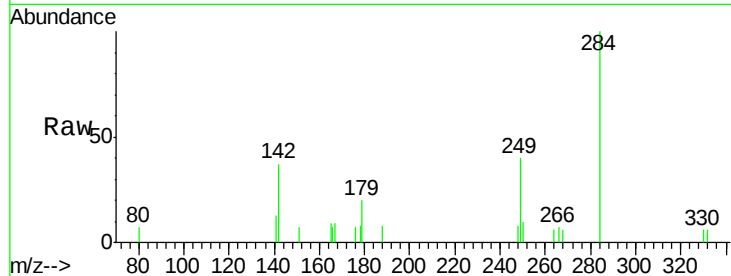
Tot Ion:284 Resp: 928

Ion Ratio Lower Upper

284 100

142 47.1 22.1 33.1#

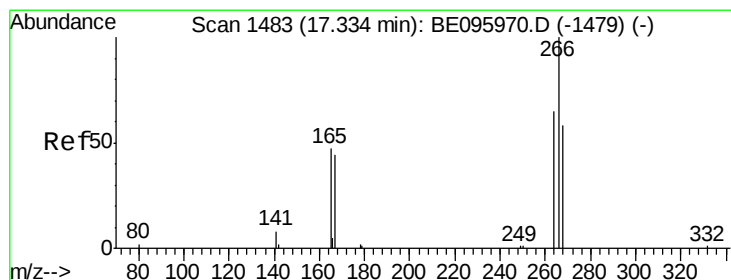
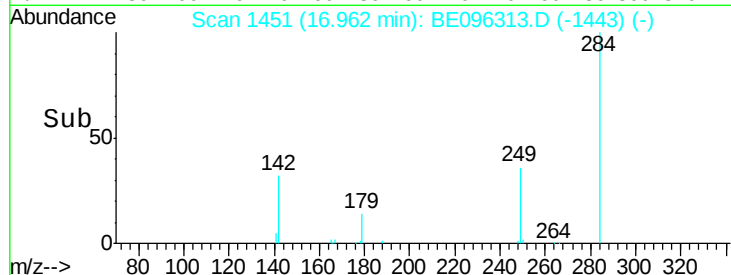
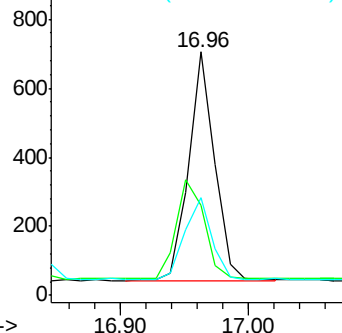
249 38.1 34.8 52.2



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: 0.517 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

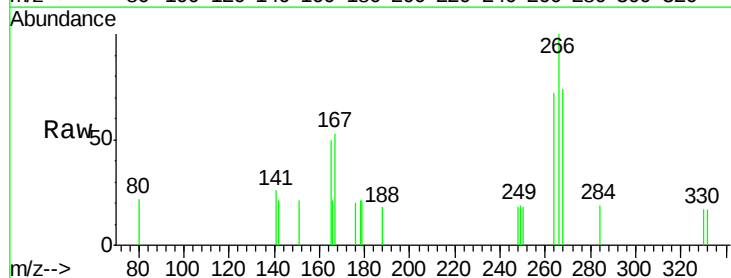
Tgt Ion:266 Resp: 418

Ion Ratio Lower Upper

266 100

264 72.2 72.5 108.7#

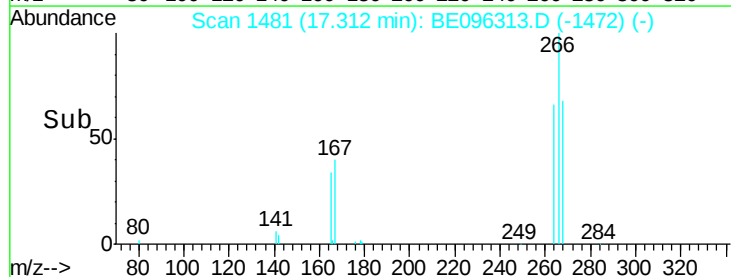
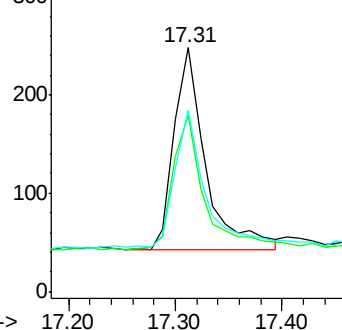
268 74.2 73.8 110.6

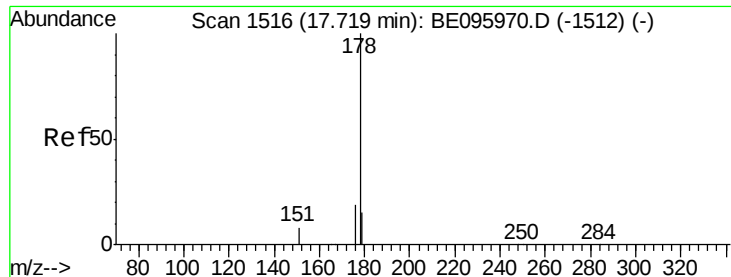


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.433 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

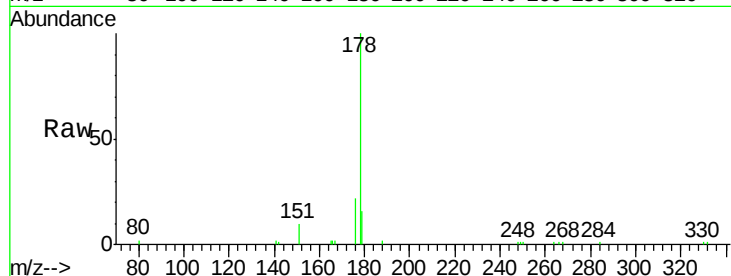
Tot Ion:178 Resp: 4883

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

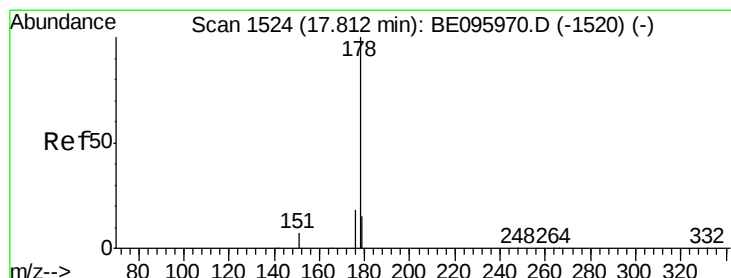
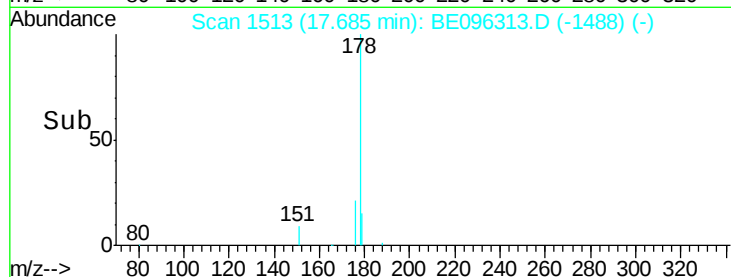
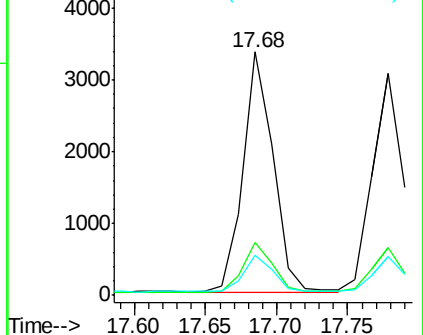
179 14.9 11.8 17.6



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: 0.427 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

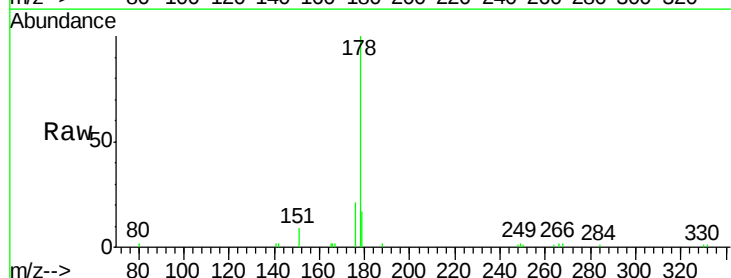
Tgt Ion:178 Resp: 4605

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

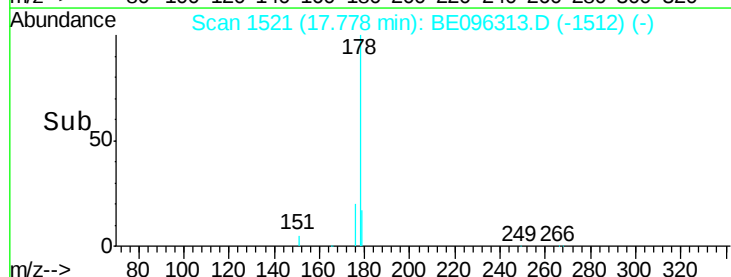
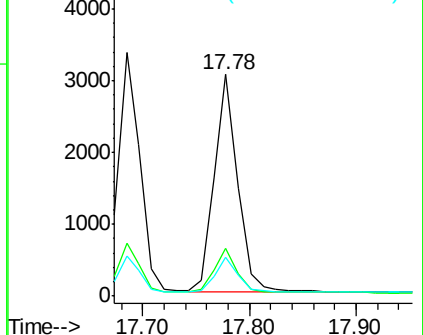
179 15.2 13.0 19.6

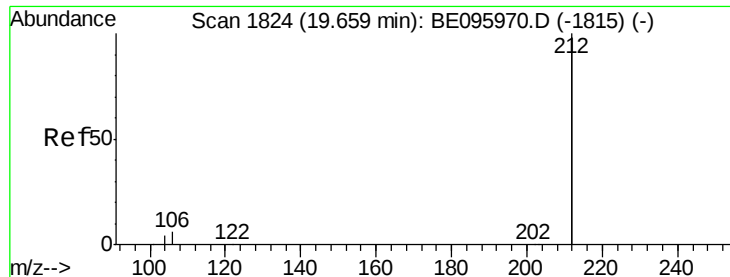


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.421 ng

RT: 19.63 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

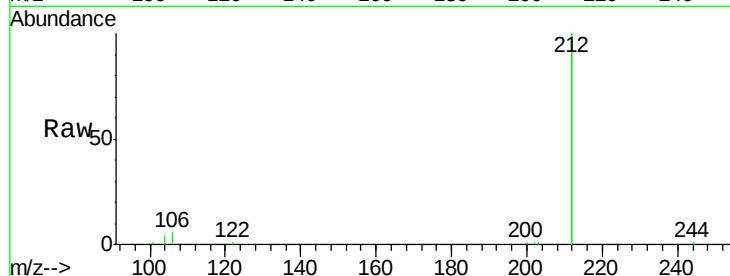
Tot Ion:212 Resp: 22948

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

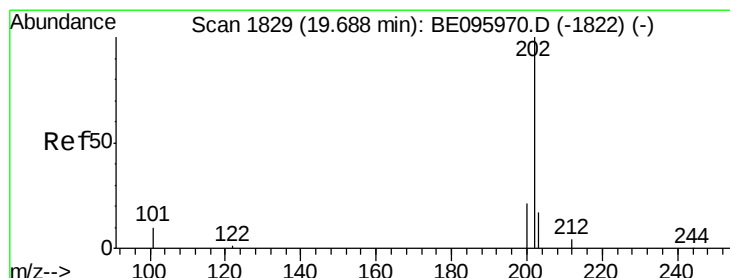
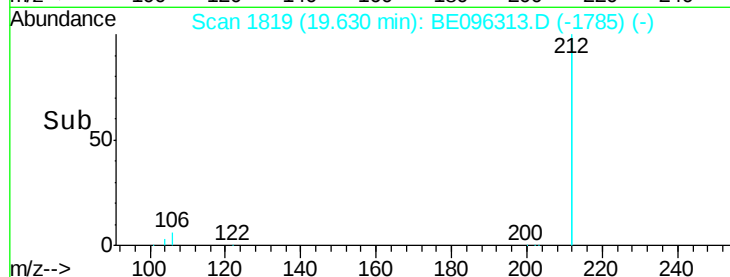
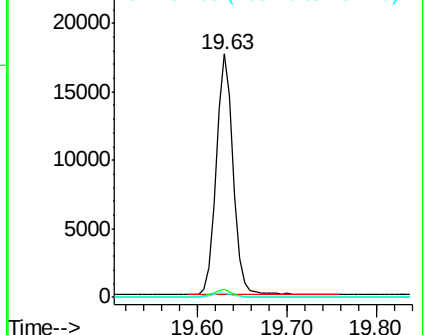
104 1.8 1.6 2.4



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: 0.419 ng

RT: 19.66 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

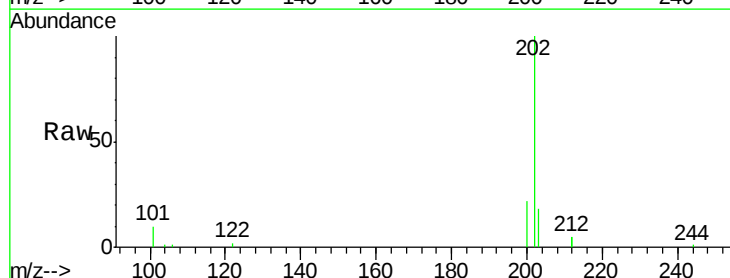
Tgt Ion:202 Resp: 6212

Ion Ratio Lower Upper

202 100

101 9.7 9.8 14.8#

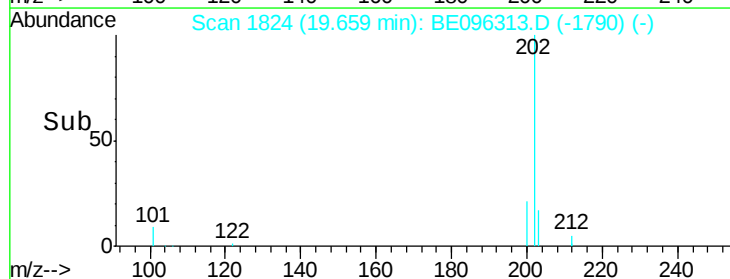
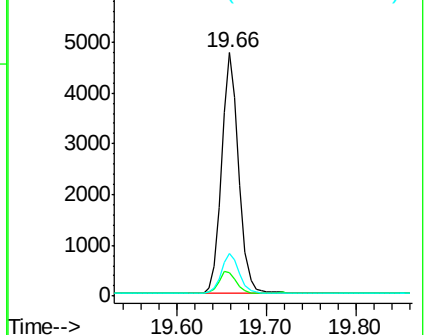
203 17.1 13.7 20.5



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: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

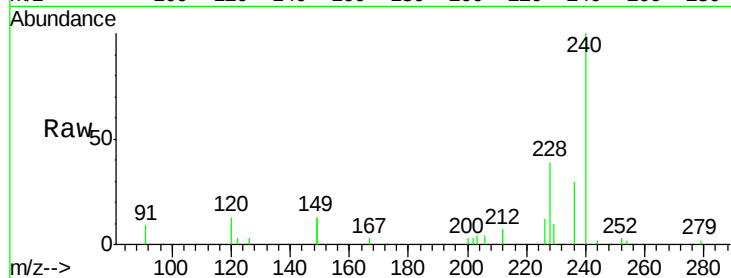
Tot Ion:240 Resp: 3904

Ion Ratio Lower Upper

240 100

120 13.2 5.5 8.3#

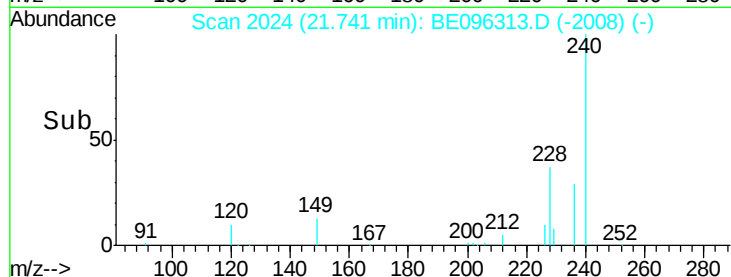
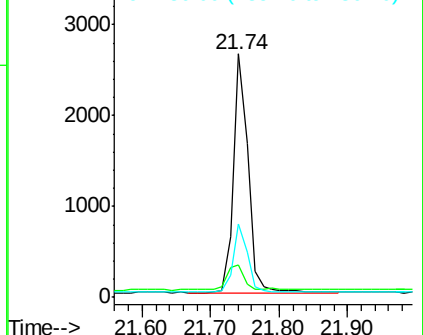
236 30.2 20.7 31.1



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: 0.079 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

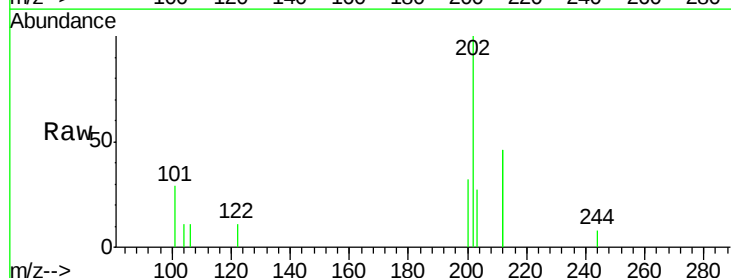
Tgt Ion:202 Resp: 604

Ion Ratio Lower Upper

202 100

200 26.8 16.6 25.0#

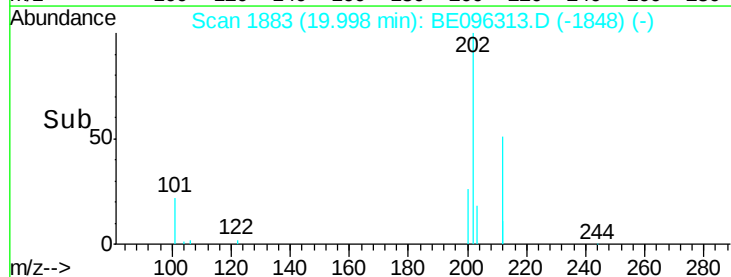
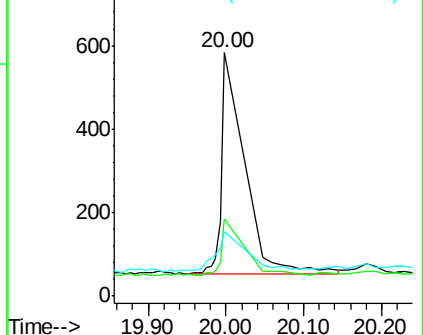
203 31.0 13.8 20.8#



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: 0.651 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

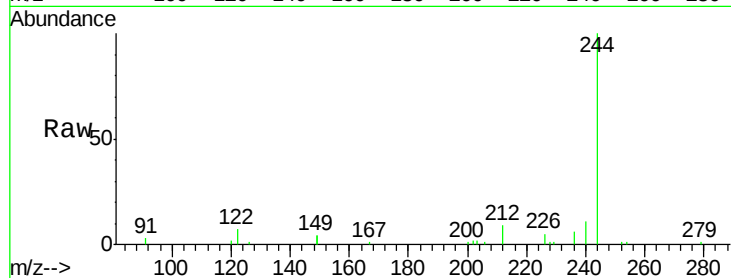
Tot Ion:244 Resp: 5619

Ion Ratio Lower Upper

244 100

212 9.4 25.4 38.0#

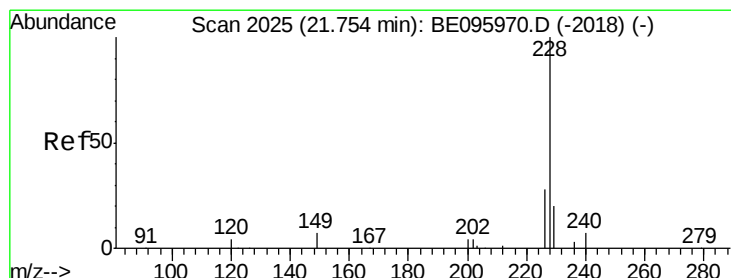
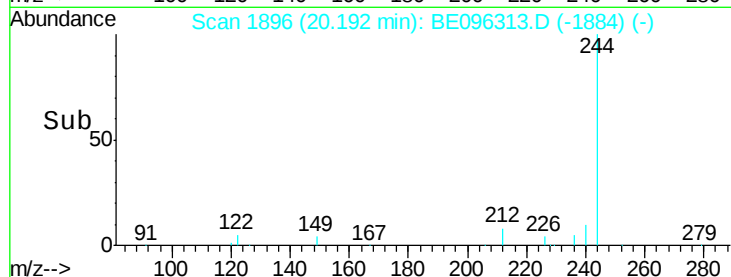
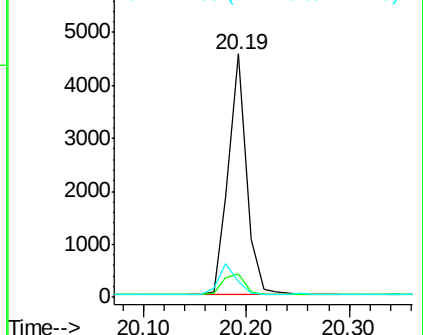
122 6.7 8.1 12.1#



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: 0.419 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

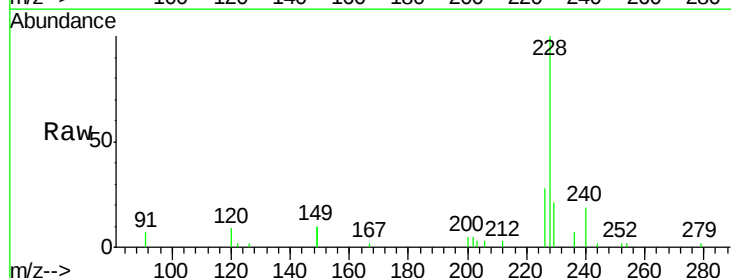
Tgt Ion:228 Resp: 5241

Ion Ratio Lower Upper

228 100

226 28.2 24.0 36.0

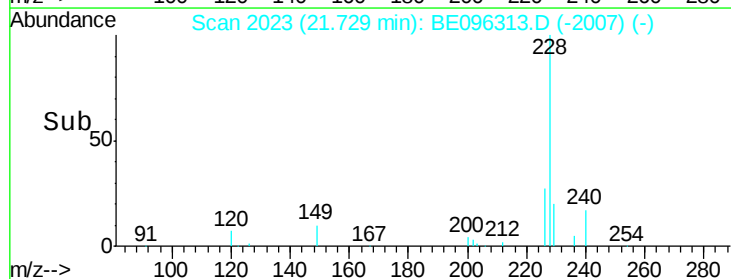
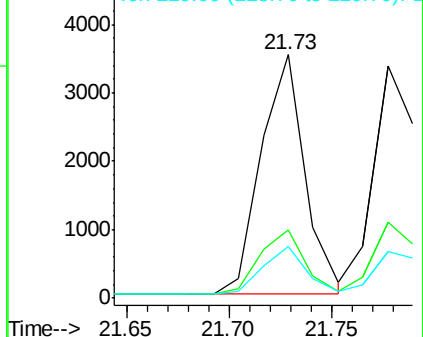
229 21.3 16.0 24.0



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





#31

Chrysene

Concen: 0.425 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

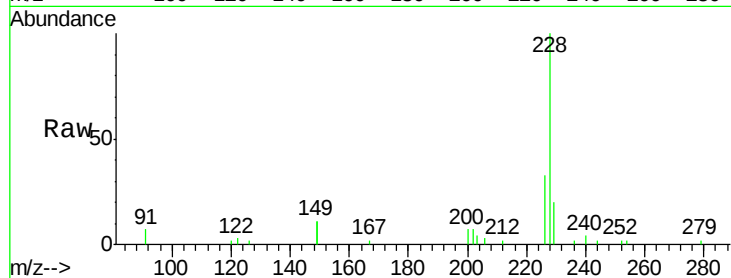
Tot Ion:228 Resp: 5141

Ion Ratio Lower Upper

228 100

226 33.0 24.0 36.0

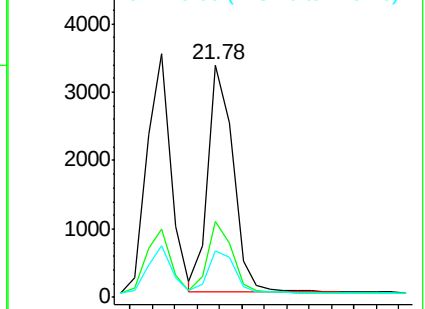
229 20.0 16.0 24.0



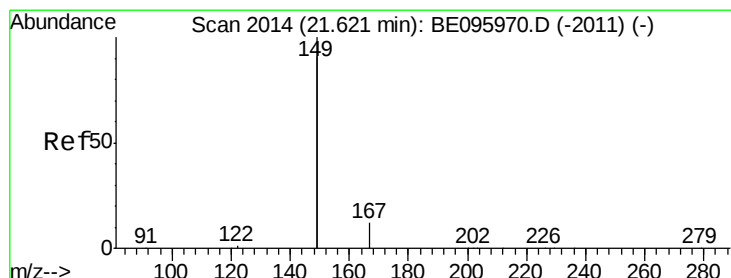
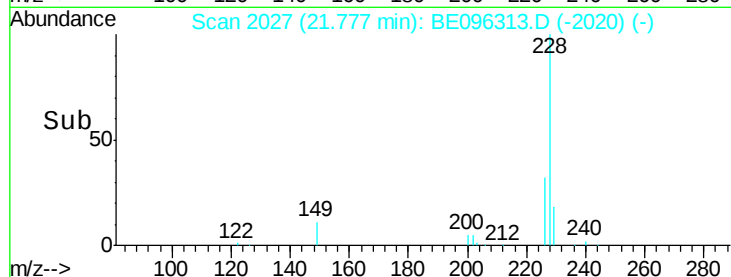
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.70 21.80 21.90



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.402 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

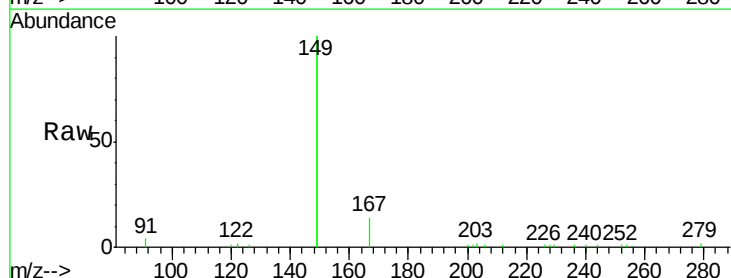
Tgt Ion:149 Resp: 12994

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

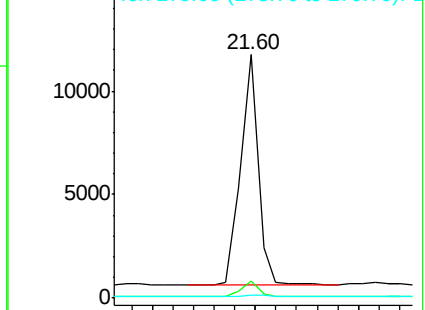
279 0.8 0.7 1.1



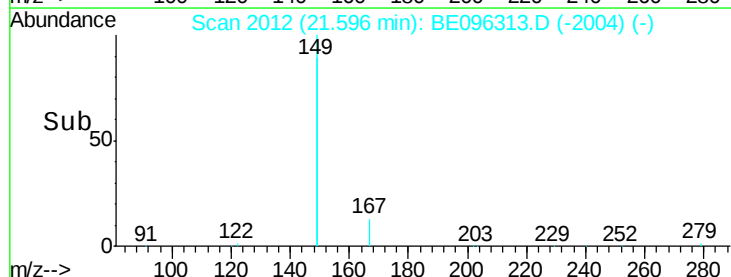
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.50 21.60 21.70

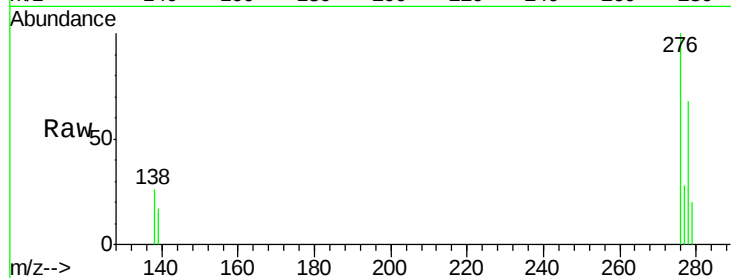




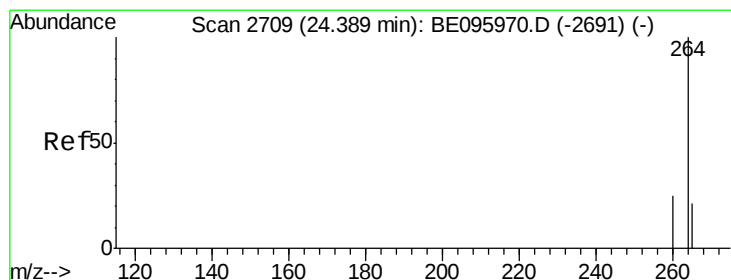
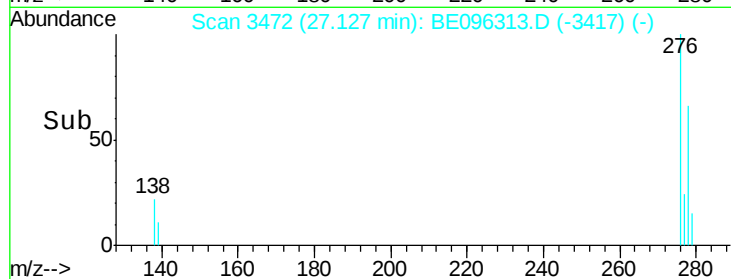
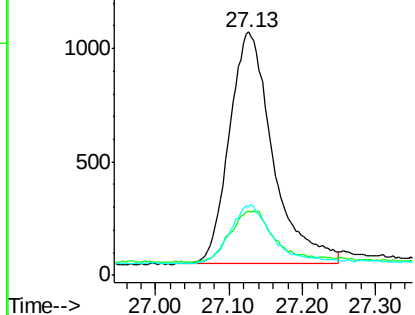
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.361 ng
RT: 27.13 min Scan# 3472
Delta R.T. -0.00 min
Lab File: BE096313.D
Acq: 3 May 2018 2:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 4237
Ion Ratio Lower Upper
276 100
138 22.7 22.5 33.7
277 25.0 19.9 29.9

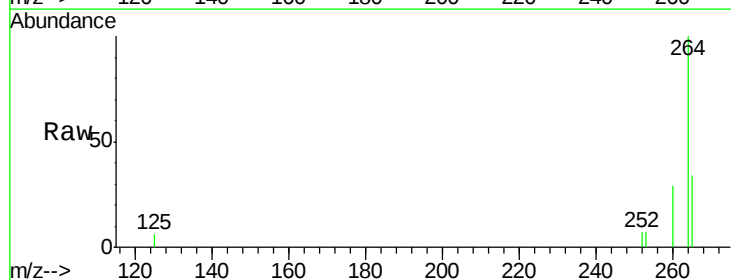


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

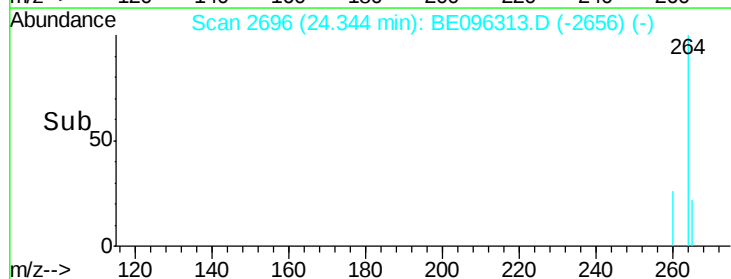
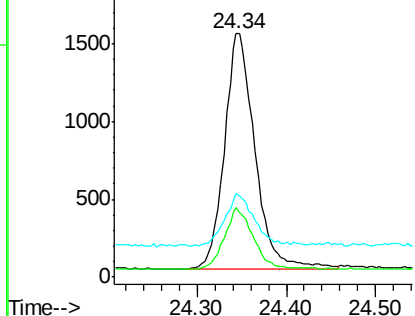


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.34 min Scan# 2696
Delta R.T. -0.01 min
Lab File: BE096313.D
Acq: 3 May 2018 2:52

Tgt Ion:264 Resp: 3606
Ion Ratio Lower Upper
264 100
260 28.8 20.5 30.7
265 34.2 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: 0.439 ng

RT: 23.54 min Scan# 2470

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

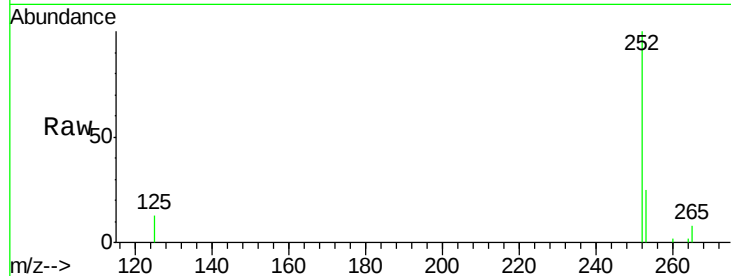
Tot Ion:252 Resp: 4751

Ion Ratio Lower Upper

252 100

253 25.0 20.0 30.0

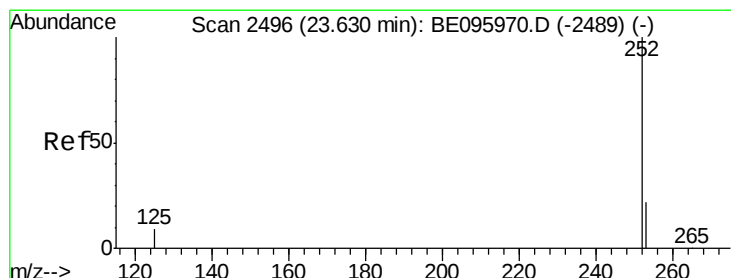
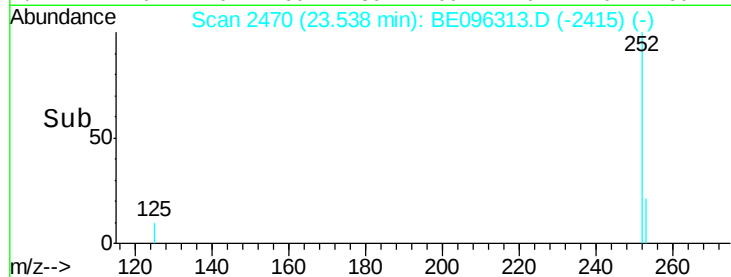
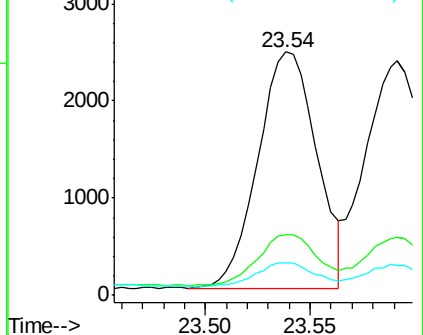
125 13.2 16.0 24.0#



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: 0.447 ng

RT: 23.59 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

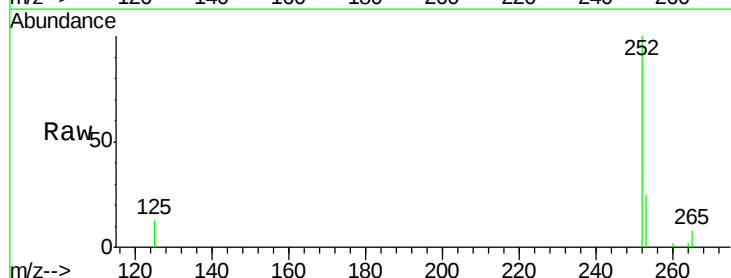
Tgt Ion:252 Resp: 4970

Ion Ratio Lower Upper

252 100

253 24.8 16.0 24.0#

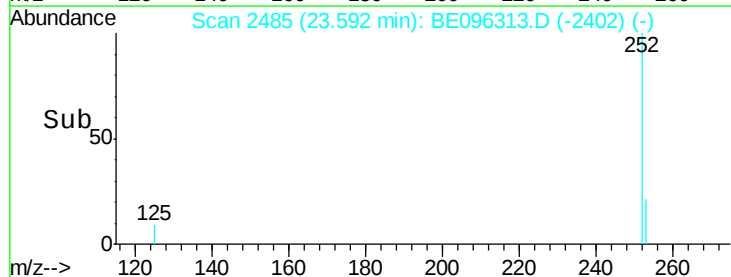
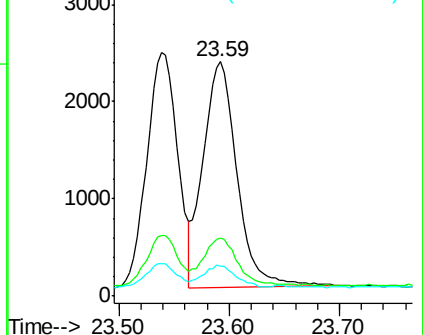
125 12.6 8.0 12.0#



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: 0.421 ng

RT: 24.23 min Scan# 2664

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

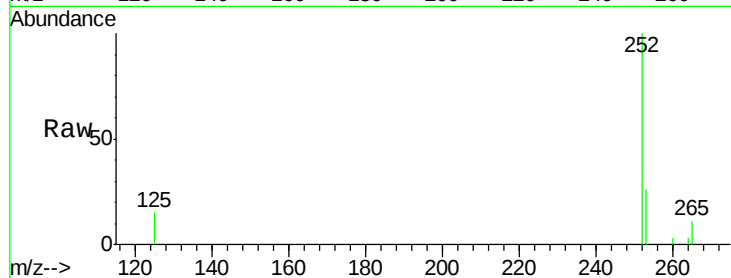
Tot Ion:252 Resp: 4373

Ion Ratio Lower Upper

252 100

253 26.5 16.0 24.0#

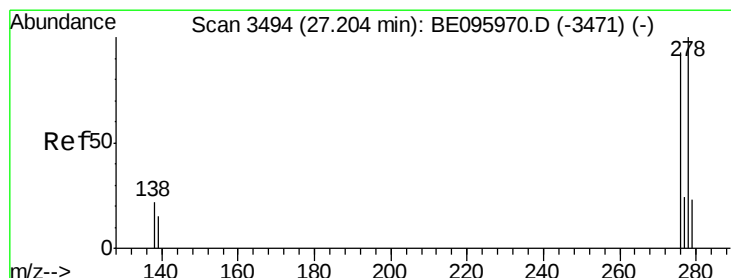
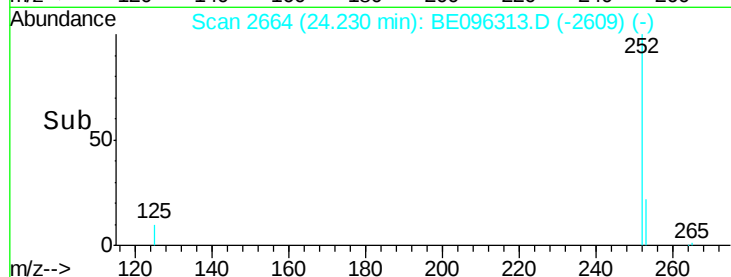
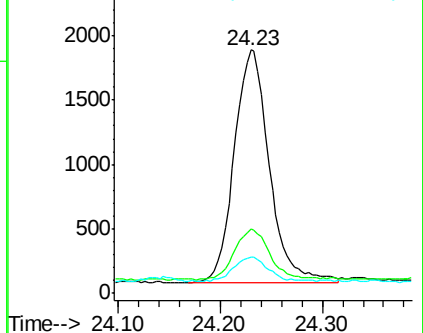
125 14.8 12.0 18.0



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: 0.354 ng

RT: 27.14 min Scan# 3475

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

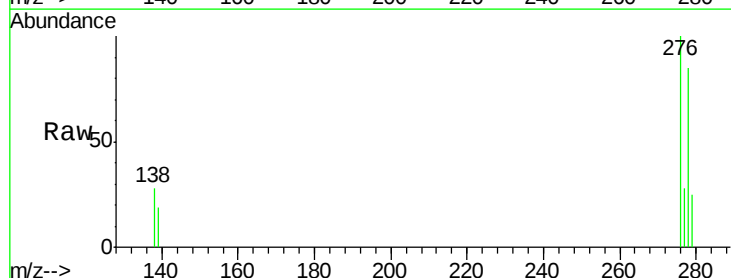
Tgt Ion:278 Resp: 3242

Ion Ratio Lower Upper

278 100

139 22.5 16.0 24.0

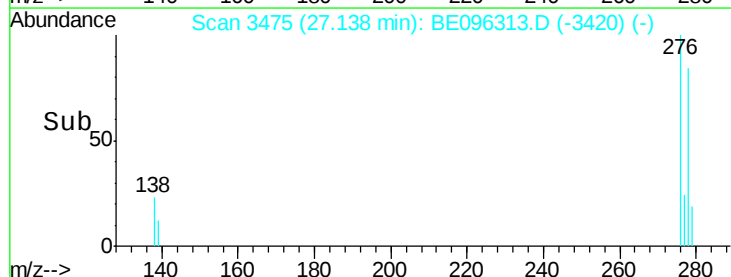
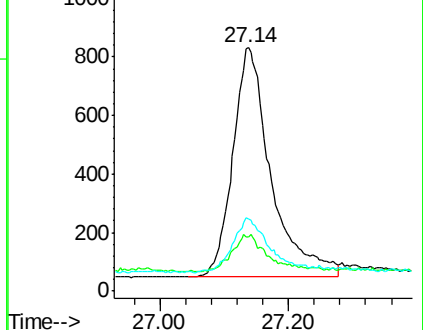
279 29.7 20.0 30.0

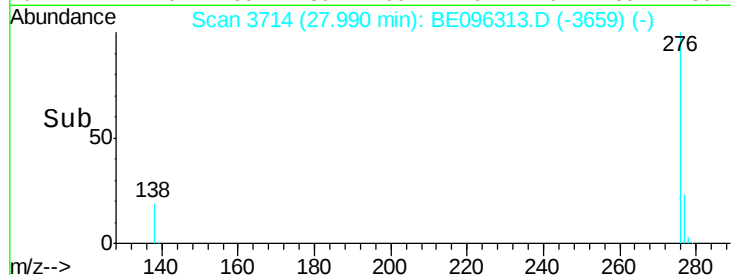
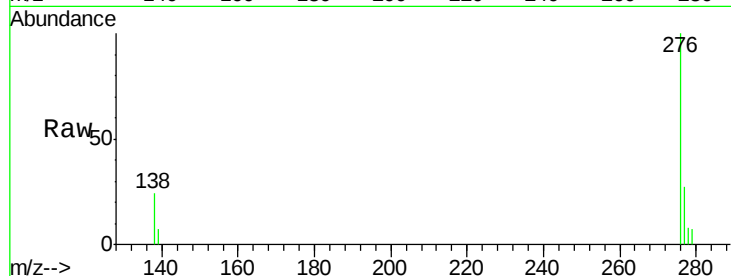


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.406 ng

RT: 27.99 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BE096313.D

Acq: 3 May 2018 2:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 3938

Ion Ratio Lower Upper

276 100

277 27.1 16.0 24.0#

138 23.9 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

