

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
 Data File : BE096260.D
 Acq On : 1 May 2018 16:52
 Operator : SJ/JU
 Sample : PB108594BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 02 01:54:40 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	894	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3304	0.40	ng	0.00
13) Acenaphthene-d10	14.95	164	1681	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3932	0.40	ng	0.00
27) Chrysene-d12	21.74	240	4017	0.40	ng	0.00
34) Perylene-d12	24.35	264	3918	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.88	112	1019	0.37	ng	0.01
5) Phenol-d6	7.52	99	1394	0.37	ng	0.01
8) Nitrobenzene-d5	9.45	82	133	0.03	ng	-0.09
11) 2-Methylnaphthalene-d10	12.73	152	1818	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	212	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	2760	0.38	ng	0.00
25) Fluoranthene-d10	19.64	212	19044	0.36	ng	0.00
29) Terphenyl-d14	20.19	244	2966	0.33	ng	0.00

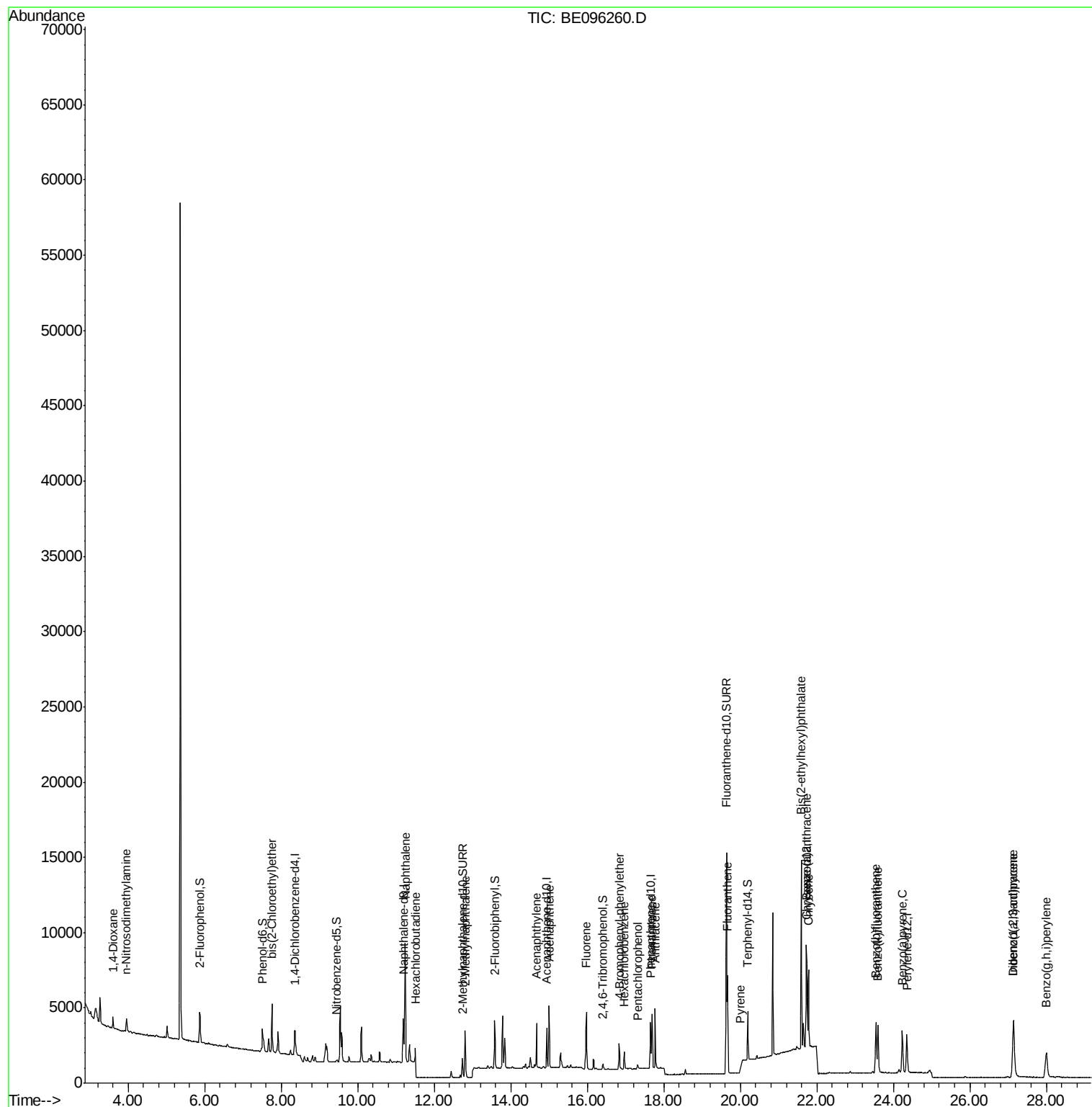
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	400	0.290	ng	# 65
3) n-Nitrosodimethylamine	3.95	42	712	0.421	ng	# 77
6) bis(2-Chloroethyl)ether	7.76	93	1153	0.343	ng	98
9) Naphthalene	11.24	128	13365	0.384	ng	99
10) Hexachlorobutadiene	11.50	225	427	0.277	ng	92
12) 2-Methylnaphthalene	12.81	142	2182	0.378	ng	96
16) Acenaphthylene	14.67	152	3347	0.373	ng	100
17) Acenaphthene	15.00	154	1956	0.363	ng	93
18) Fluorene	15.97	166	2582	0.387	ng	# 61
20) 4-Bromophenyl-phenylether	16.83	248	779	0.333	ng	# 70
21) Hexachlorobenzene	16.96	284	812	0.349	ng	# 81
22) Pentachlorophenol	17.31	266	180	0.303	ng	86
23) Phenanthrene	17.68	178	4268	0.386	ng	99
24) Anthracene	17.78	178	4204	0.398	ng	95
26) Fluoranthene	19.66	202	5628	0.388	ng	98
28) Pyrene	20.00	202	279	0.035	ng	# 65
30) Benzo(a)anthracene	21.73	228	5187	0.403	ng	98
31) Chrysene	21.79	228	5063	0.407	ng	98
32) Bis(2-ethylhexyl)phthalate	21.60	149	13548	0.407	ng	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	5341	0.443	ng	94
35) Benzo(b)fluoranthene	23.54	252	5017	0.427	ng	# 93
36) Benzo(k)fluoranthene	23.60	252	4760	0.394	ng	# 90
37) Benzo(a)pyrene	24.23	252	4675	0.414	ng	# 91
38) Dibenzo(a,h)anthracene	27.15	278	4313	0.433	ng	95
39) Benzo(g,h,i)perylene	28.00	276	4429	0.420	ng	# 93

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

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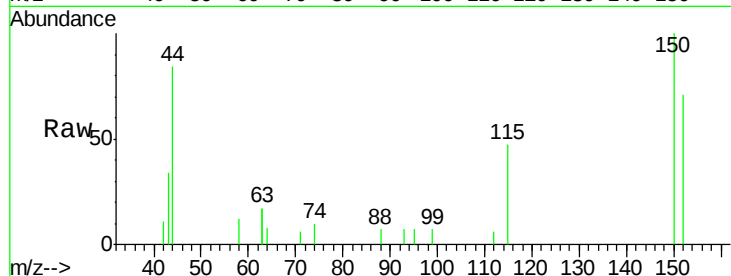


#1

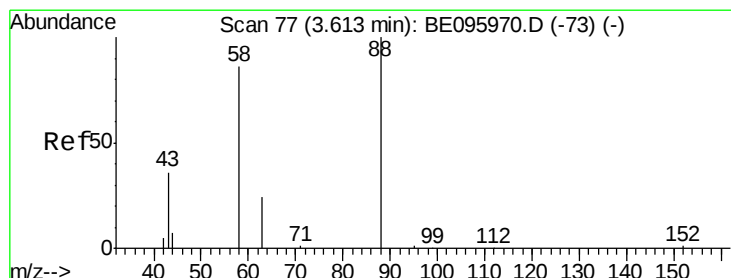
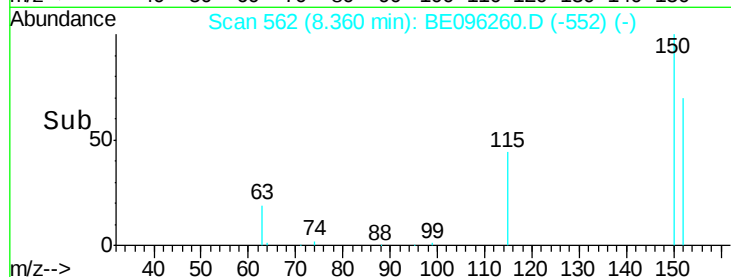
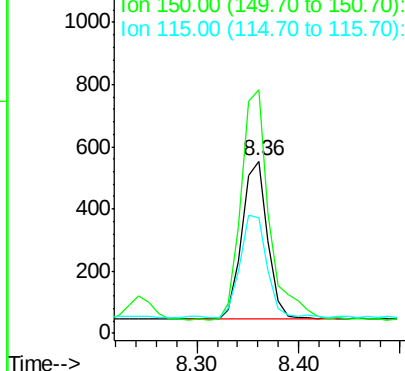
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BE096260.D
 Acq: 1 May 2018 16:52

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 894
 Ion Ratio Lower Upper
 152 100
 150 141.3 117.2 175.8
 115 67.0 57.0 85.6



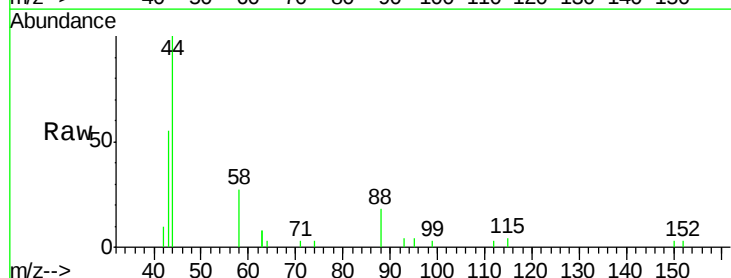
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



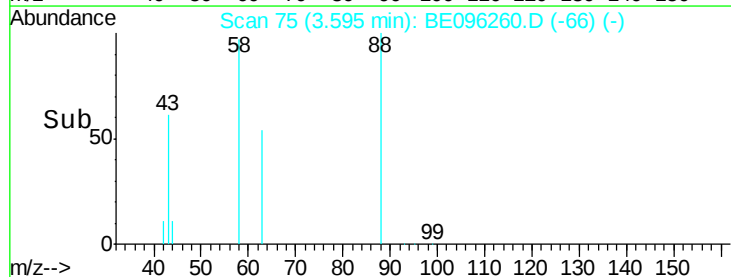
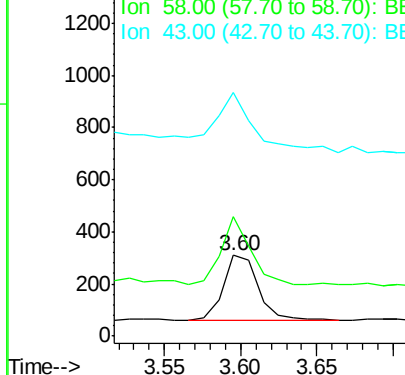
#2

1,4-Dioxane
 Concen: 0.290 ng
 RT: 3.60 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: BE096260.D
 Acq: 1 May 2018 16:52

Tgt Ion: 88 Resp: 400
 Ion Ratio Lower Upper
 88 100
 58 87.3 63.2 94.8
 43 103.8 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



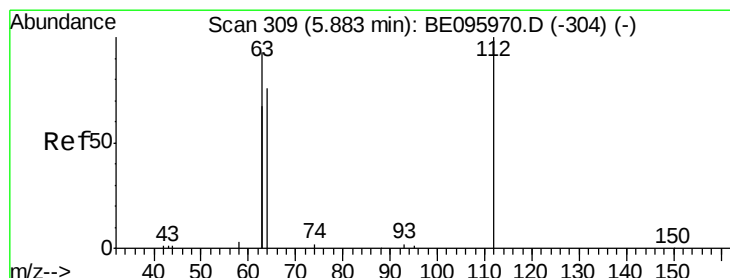
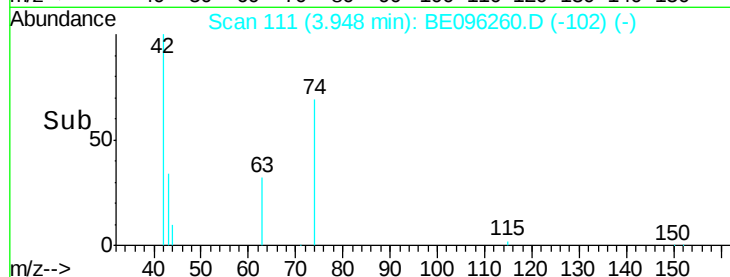
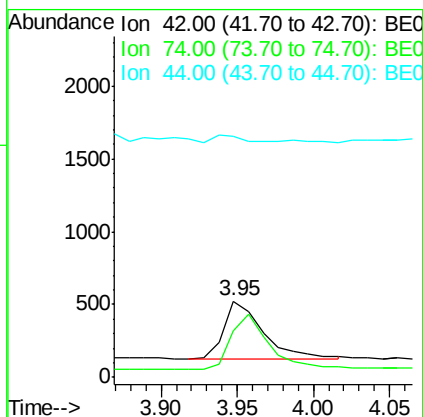
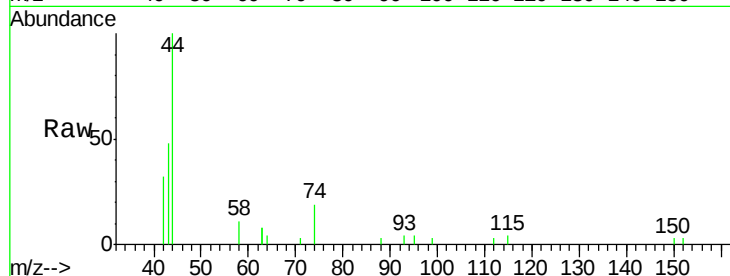


#3

n-Nitrosodimethylamine
 Concen: 0.421 ng
 RT: 3.95 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: BE096260.D
 Acq: 1 May 2018 16:52

Instrument :
 BNA_E
 ClientSampleId :

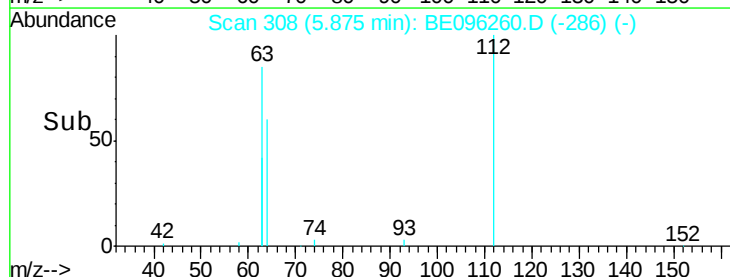
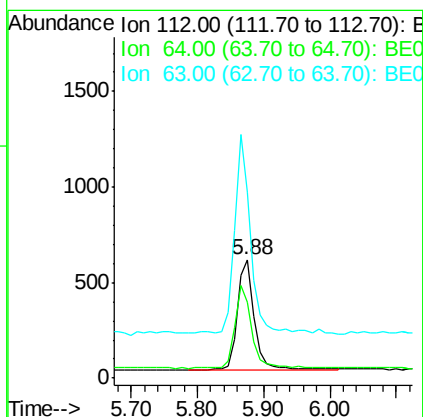
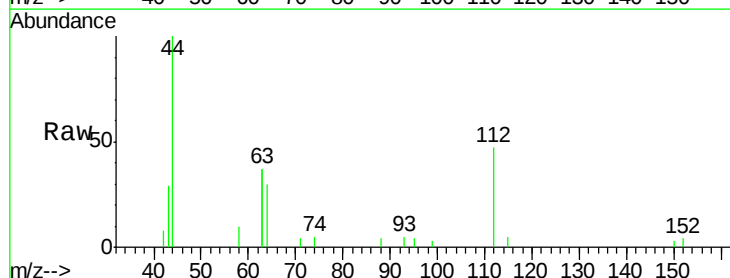
Tot Ion: 42 Resp: 712
 Ion Ratio Lower Upper
 42 100
 74 93.3 96.0 144.0#
 44 10.3 12.0 18.0#

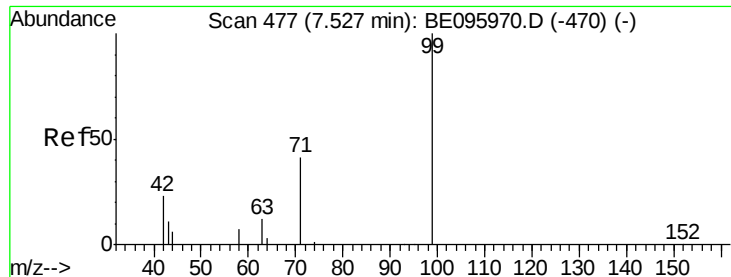


#4

2-Fluorophenol
 Concen: 0.369 ng
 RT: 5.88 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096260.D
 Acq: 1 May 2018 16:52

Tgt Ion: 112 Resp: 1019
 Ion Ratio Lower Upper
 112 100
 64 75.8 60.1 90.1
 63 181.2 116.8 175.2#





#5

Phenol-d6

Concen: 0.365 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

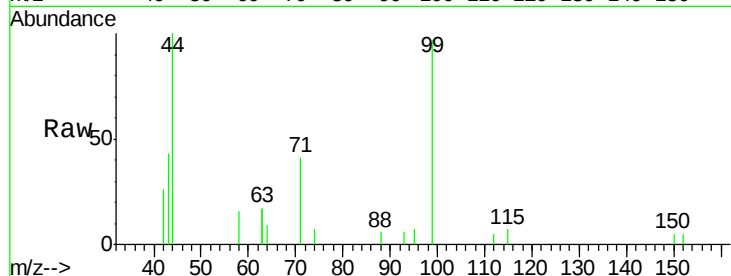
Tot Ion: 99 Resp: 1394

Ion Ratio Lower Upper

99 100

42 29.8 20.2 30.2

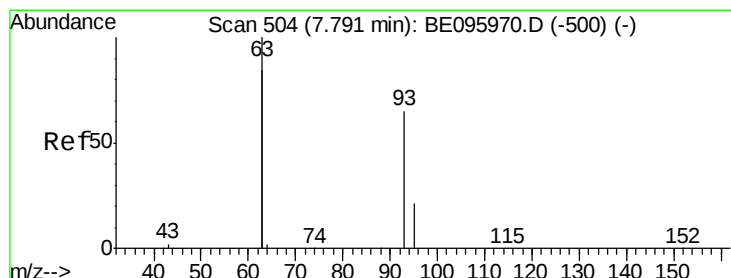
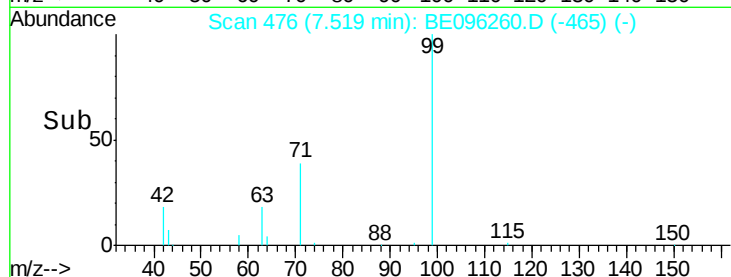
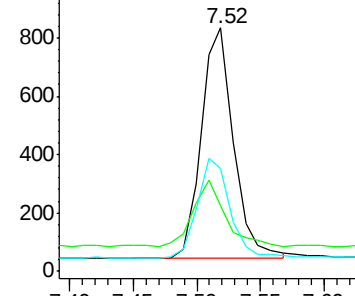
71 44.3 28.4 42.6#



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: 0.343 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

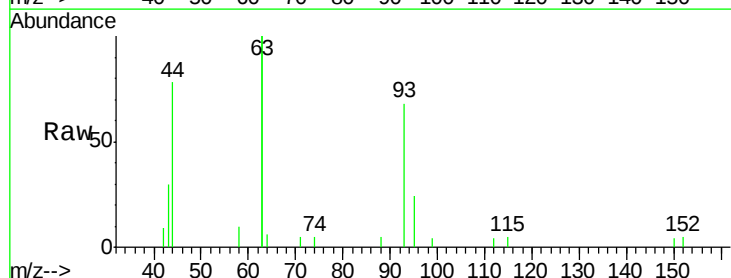
Tgt Ion: 93 Resp: 1153

Ion Ratio Lower Upper

93 100

63 339.9 275.3 412.9

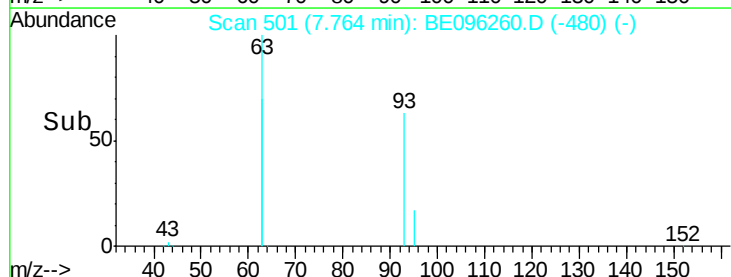
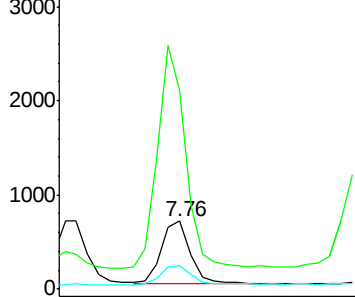
95 32.2 25.2 37.8



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: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3304

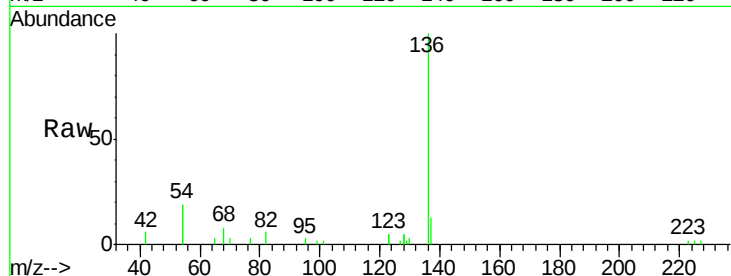
Ion Ratio Lower Upper

136 100

137 13.3 9.5 14.3

54 39.0 29.1 43.7

68 7.7 6.2 9.2

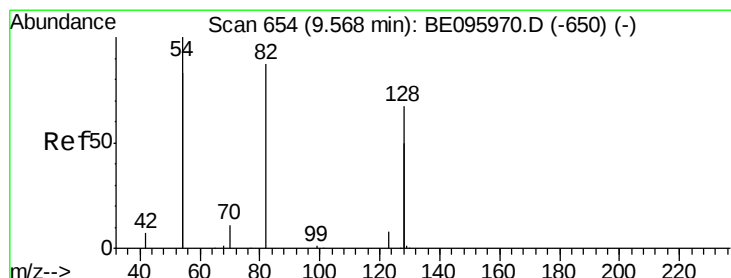
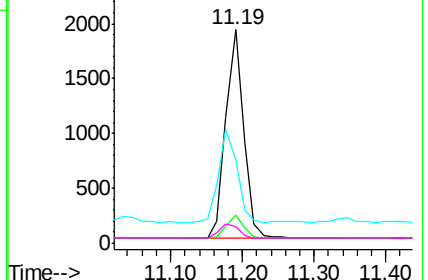
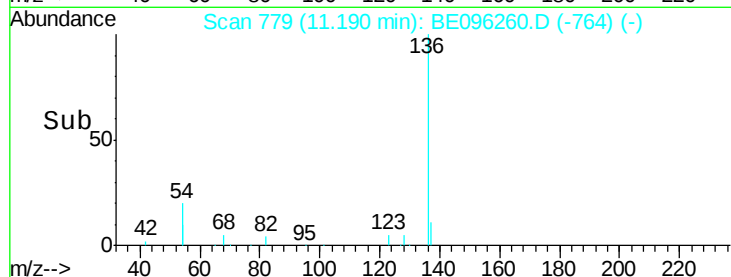


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.034 ng

RT: 9.45 min Scan# 645

Delta R.T. -0.09 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

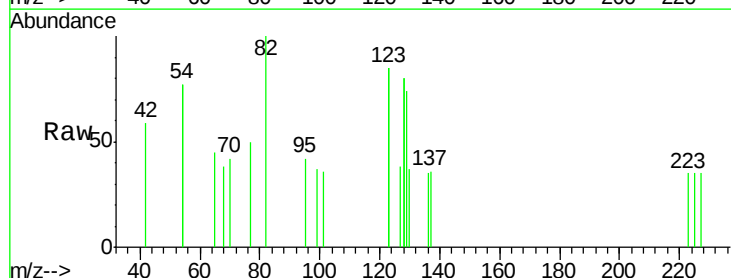
Tgt Ion: 82 Resp: 133

Ion Ratio Lower Upper

82 100

128 159.7 150.0 225.0

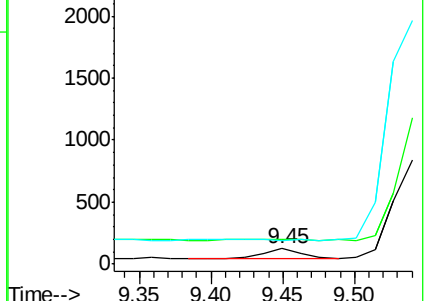
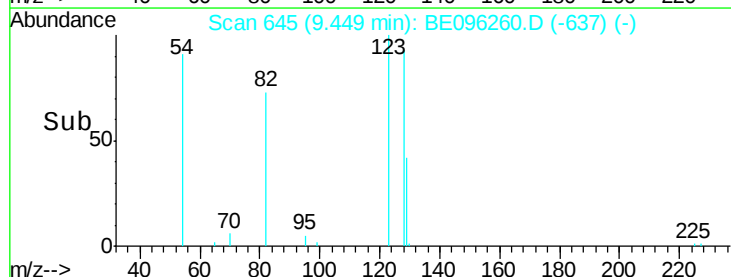
54 154.8 154.2 231.4



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: 0.384 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

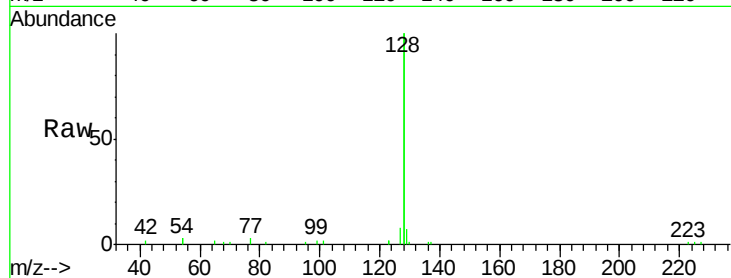
Tot Ion:128 Resp: 13365

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

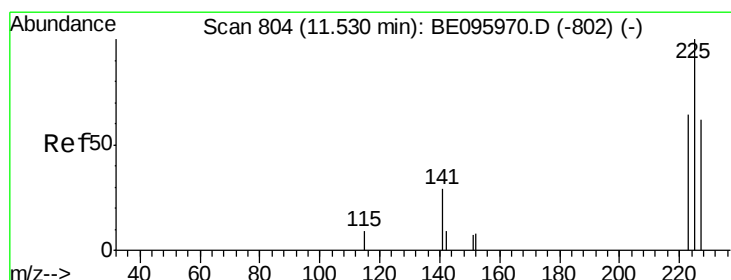
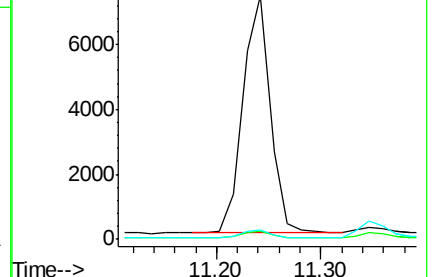
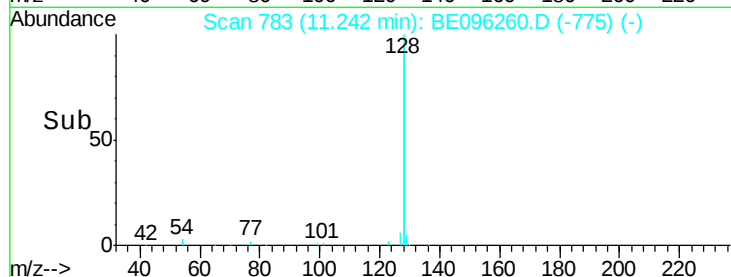
127 3.8 2.8 4.2



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: 0.277 ng

RT: 11.50 min Scan# 803

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

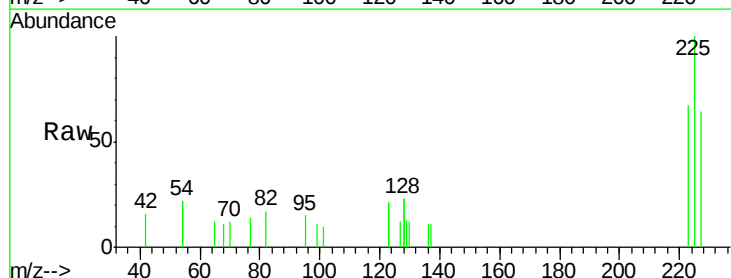
Tgt Ion:225 Resp: 427

Ion Ratio Lower Upper

225 100

223 64.9 53.0 79.6

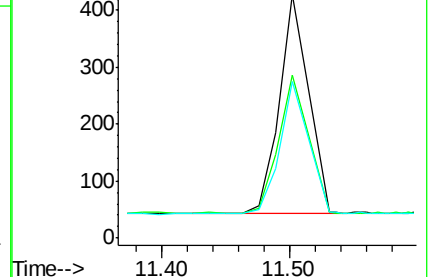
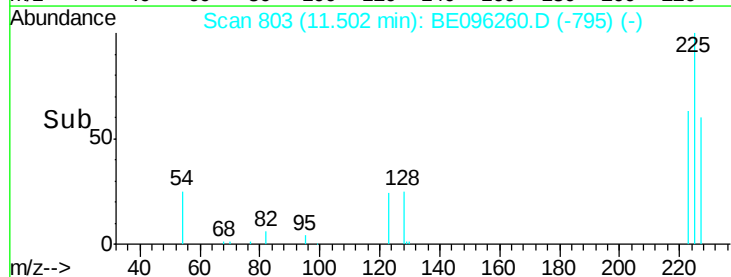
227 52.7 51.4 77.2

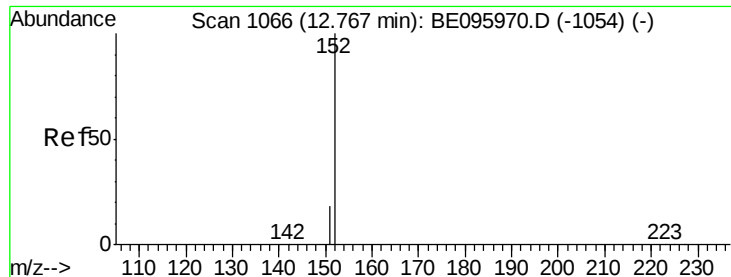


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

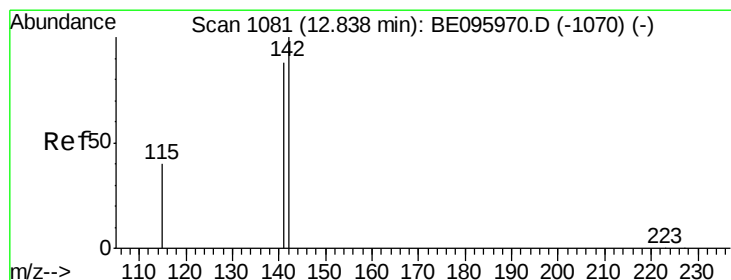
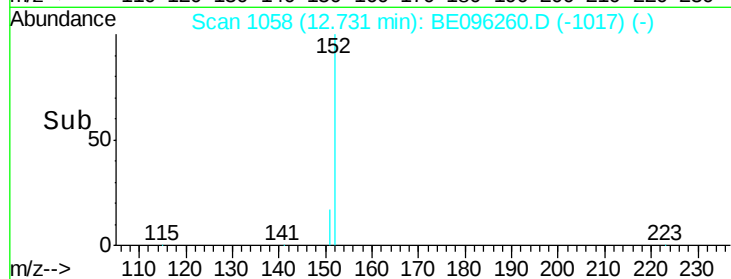
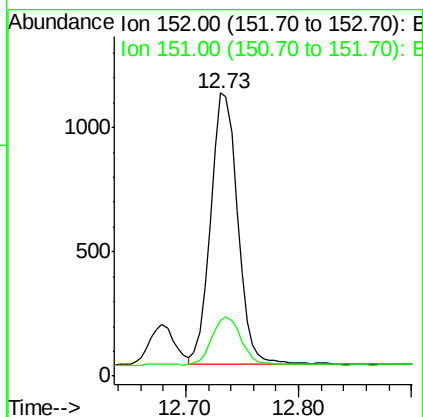
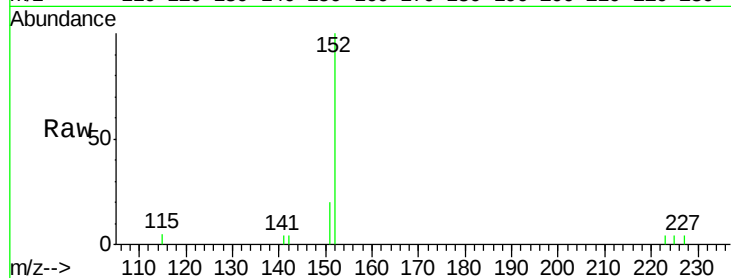




#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 12.73 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE096260.D
Acq: 1 May 2018 16:52

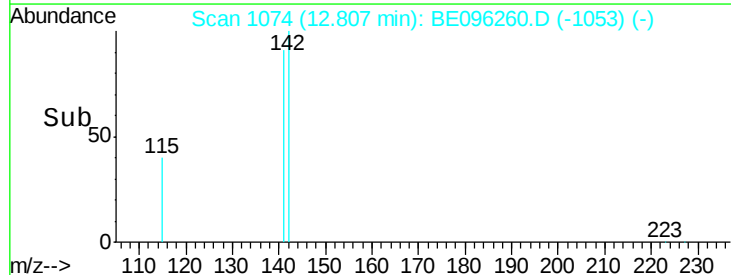
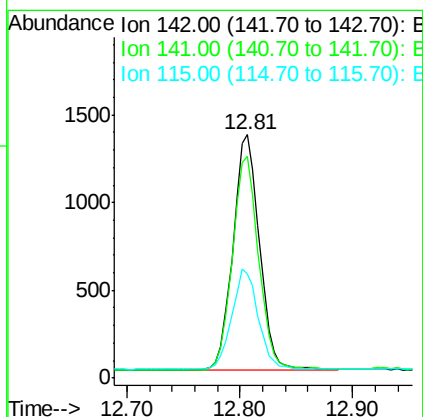
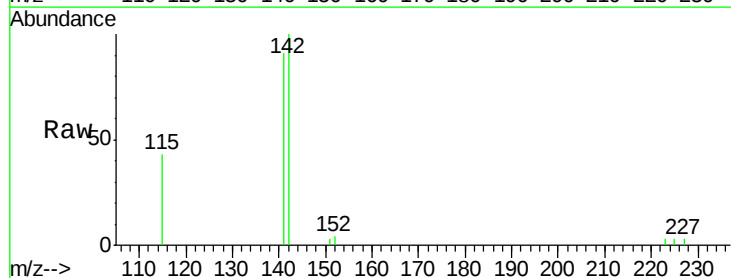
Instrument :
BNA_E
ClientSampled :

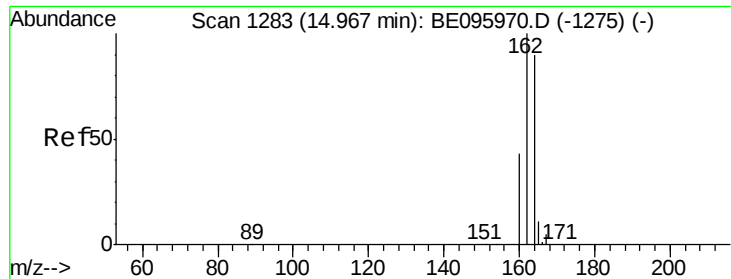
Tot Ion:152 Resp: 1818
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.378 ng
RT: 12.81 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BE096260.D
Acq: 1 May 2018 16:52

Tgt Ion:142 Resp: 2182
Ion Ratio Lower Upper
142 100
141 90.9 70.4 105.6
115 42.9 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.95 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

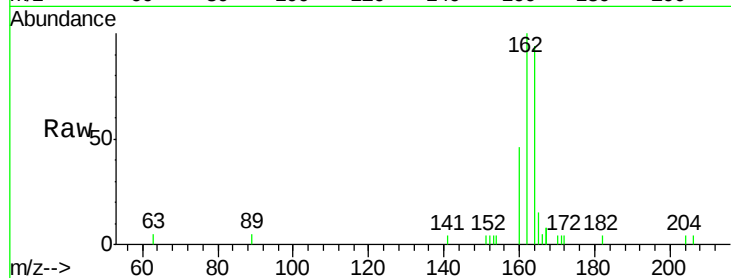
Tot Ion:164 Resp: 1681

Ion Ratio Lower Upper

164 100

162 106.9 83.1 124.7

160 49.5 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

1500

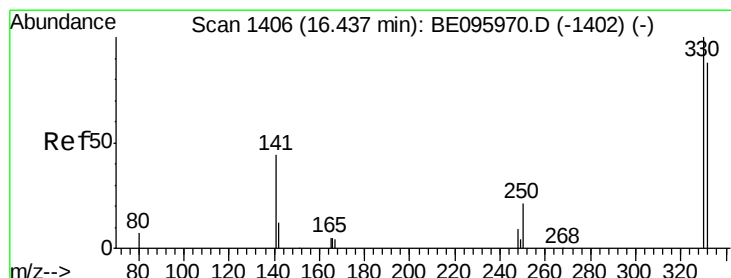
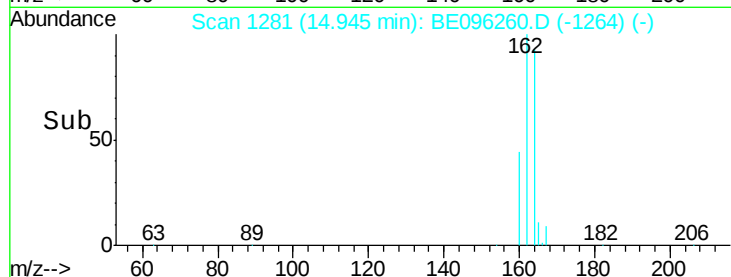
1000

500

0

14.90 14.95 15.00

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.261 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

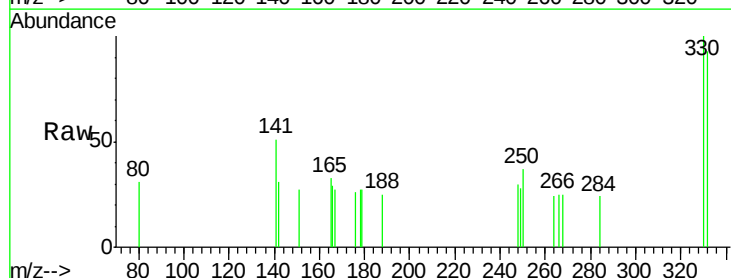
Tgt Ion:330 Resp: 212

Ion Ratio Lower Upper

330 100

332 91.0 152.7 229.1#

141 52.4 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

250

200

150

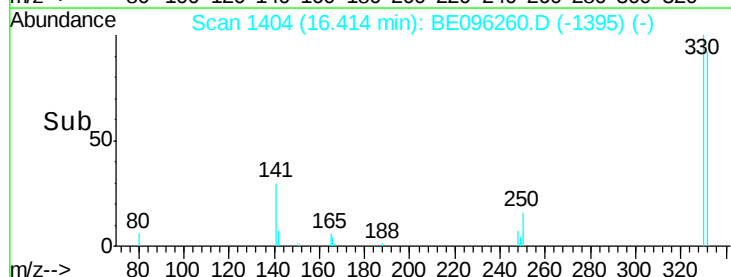
100

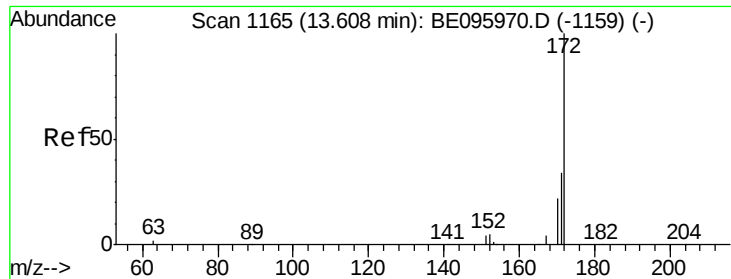
50

0

16.35 16.40 16.45 16.50

Time-->

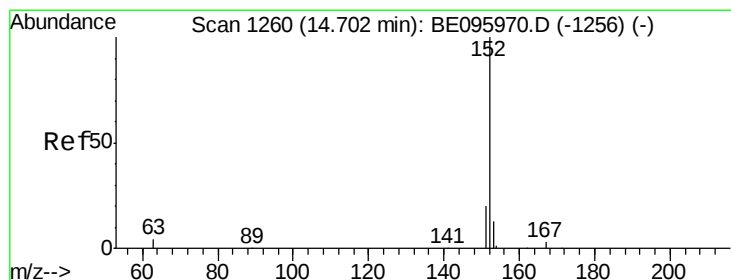
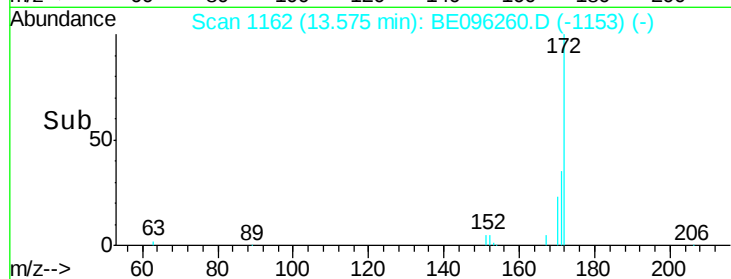
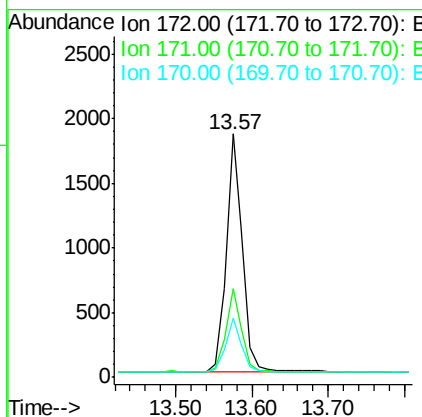
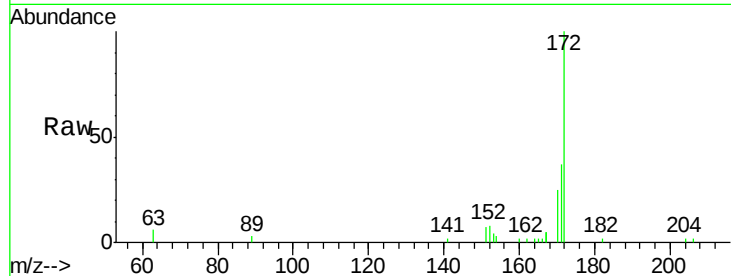




#15
 2-Fluorobiphenyl
 Concen: 0.384 ng
 RT: 13.57 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: BE096260.D
 Acq: 1 May 2018 16:52

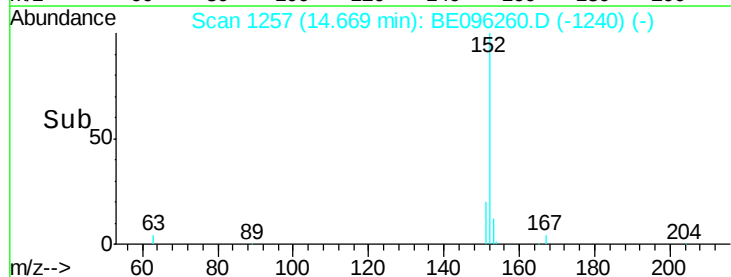
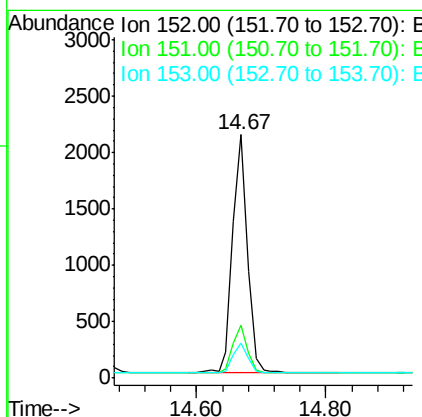
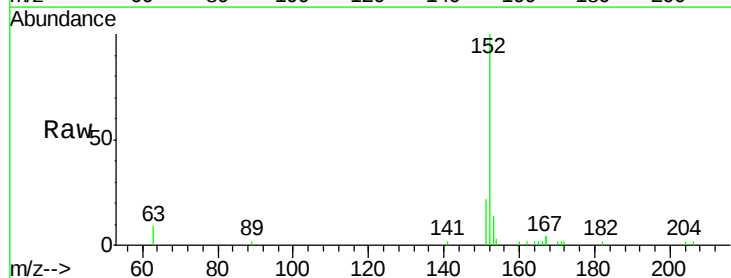
Instrument :
 BNA_E
 ClientSampled :

Tot Ion:172 Resp: 2760
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.9 44.9
 170 24.5 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.373 ng
 RT: 14.67 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: BE096260.D
 Acq: 1 May 2018 16:52

Tgt Ion:152 Resp: 3347
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.7 23.5
 153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.363 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

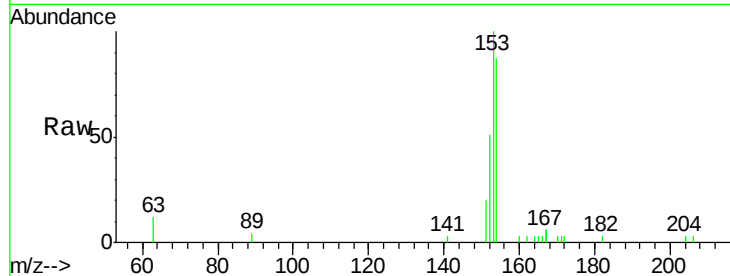
Tot Ion:154 Resp: 1956

Ion Ratio Lower Upper

154 100

153 117.9 89.2 133.8

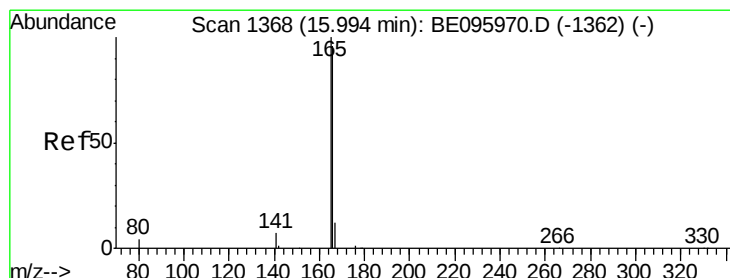
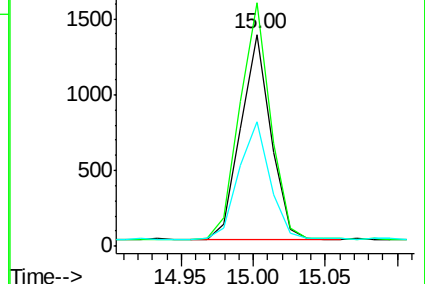
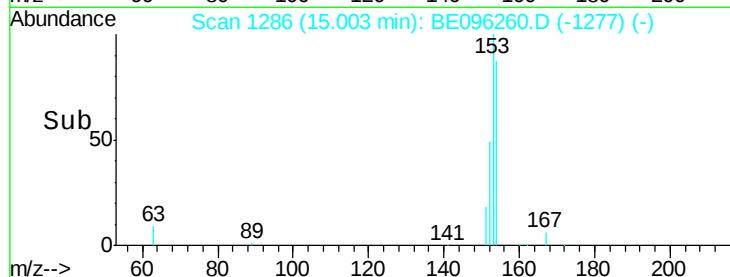
152 59.5 42.0 63.0



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: 0.387 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

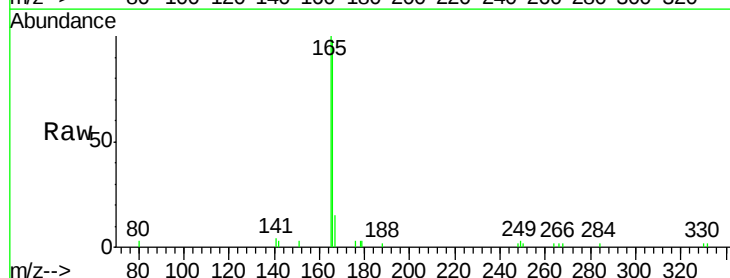
Tgt Ion:166 Resp: 2582

Ion Ratio Lower Upper

166 100

165 126.2 77.8 116.6#

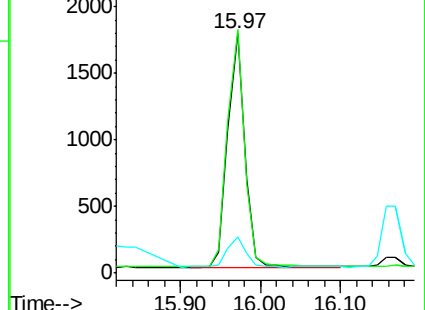
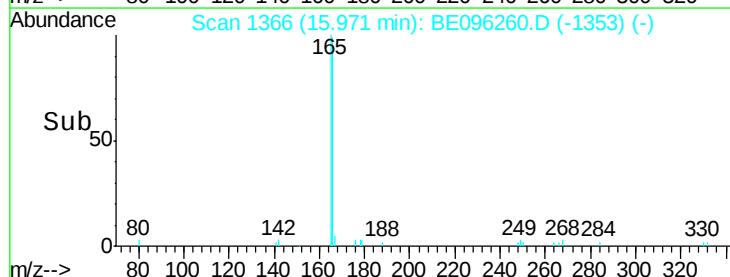
167 13.7 42.4 63.6#



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: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

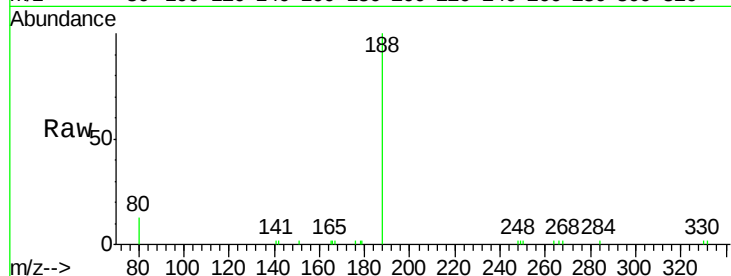
Tot Ion:188 Resp: 3932

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

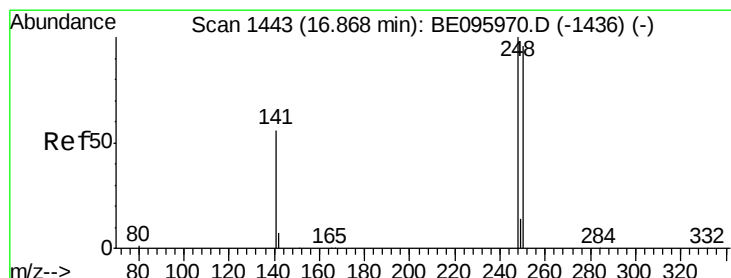
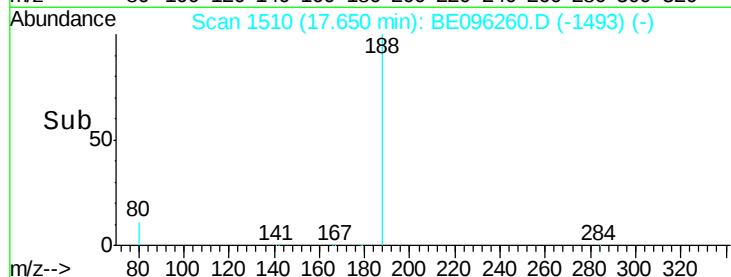
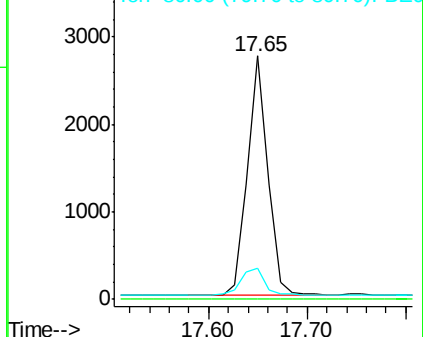
80 12.7 3.6 5.4#



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: 0.333 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

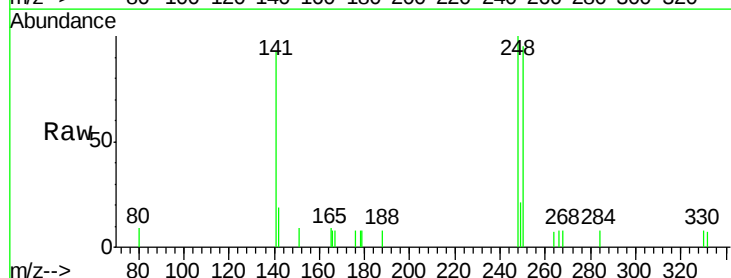
Tgt Ion:248 Resp: 779

Ion Ratio Lower Upper

248 100

250 94.9 62.7 94.1#

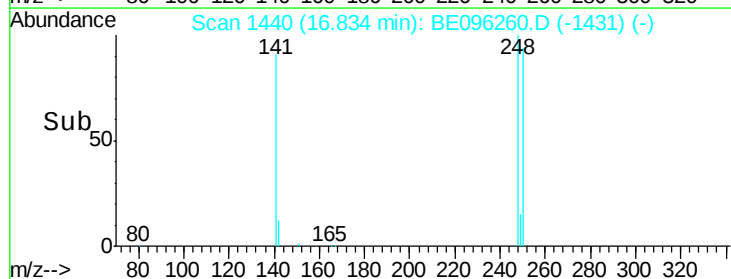
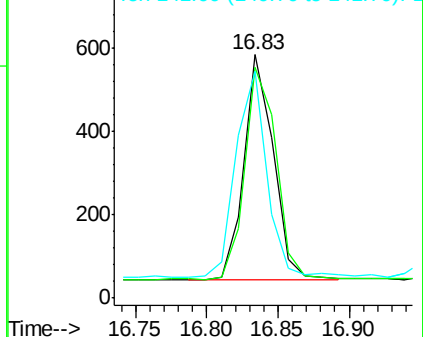
141 93.3 48.2 72.2#



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: 0.349 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampled :

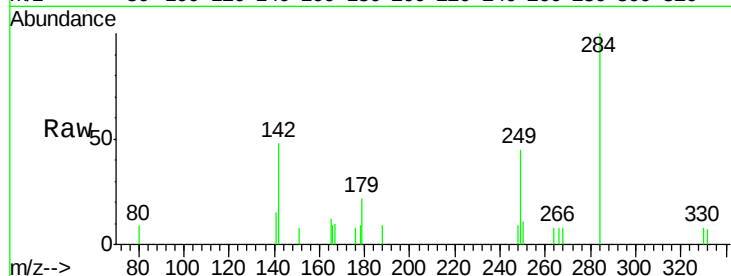
Tot Ion:284 Resp: 812

Ion Ratio Lower Upper

284 100

142 45.6 22.1 33.1#

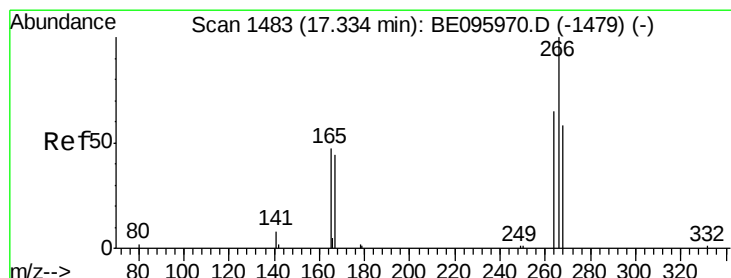
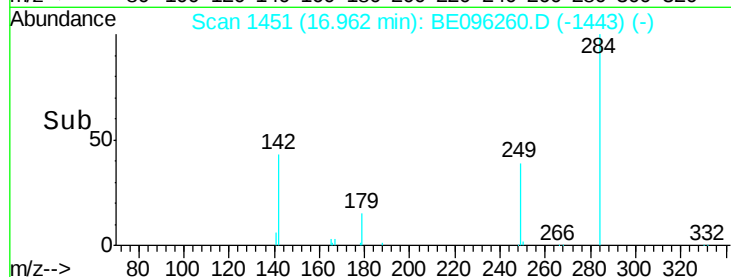
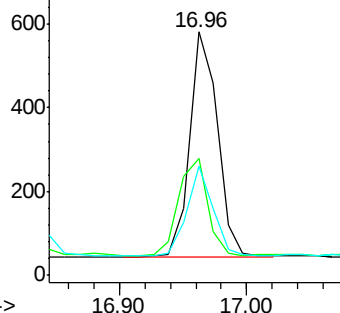
249 37.6 34.8 52.2



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: 0.303 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

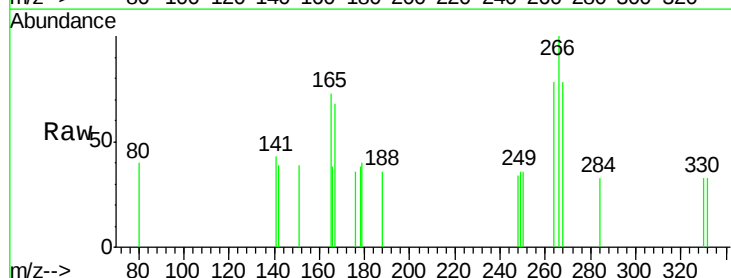
Tgt Ion:266 Resp: 180

Ion Ratio Lower Upper

266 100

264 78.5 72.5 108.7

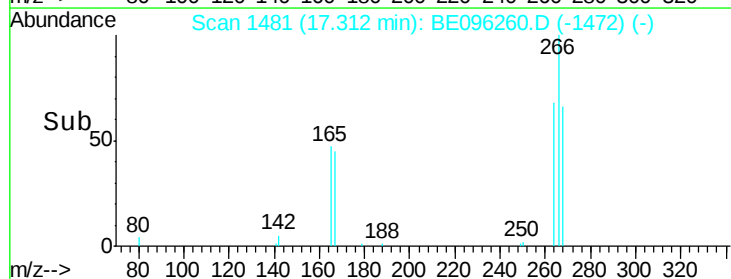
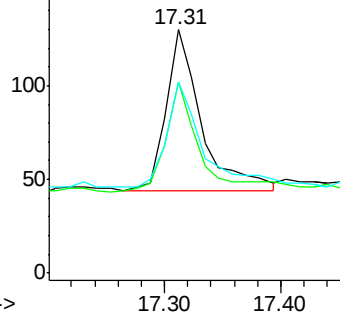
268 78.5 73.8 110.6

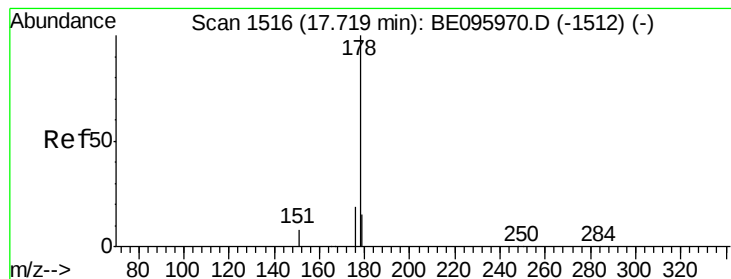


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.386 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

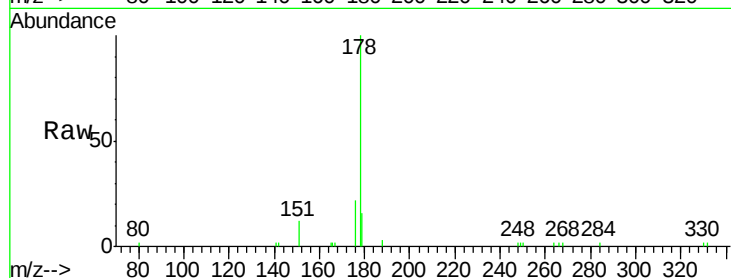
Tot Ion:178 Resp: 4268

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

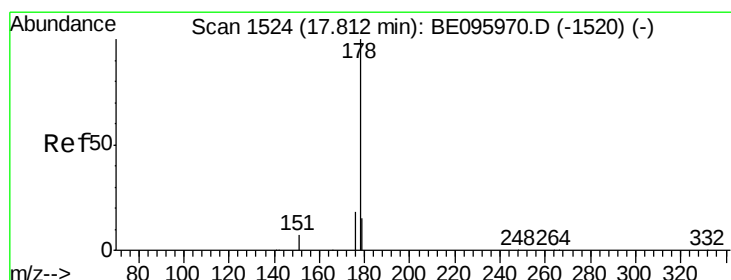
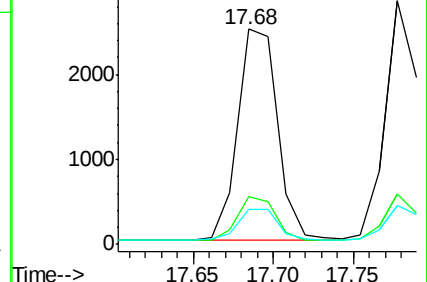
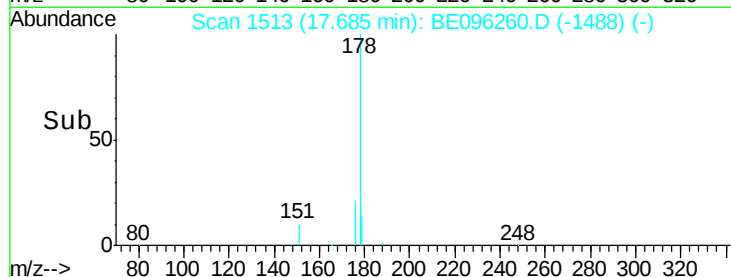
179 14.7 11.8 17.6



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: 0.398 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

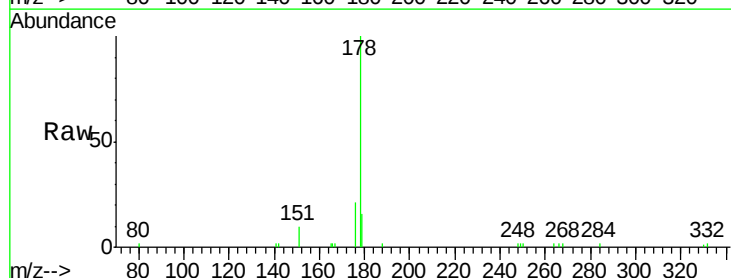
Tgt Ion:178 Resp: 4204

Ion Ratio Lower Upper

178 100

176 19.1 12.8 19.2

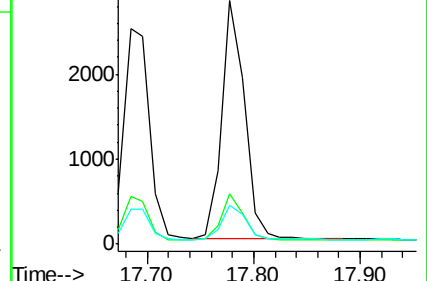
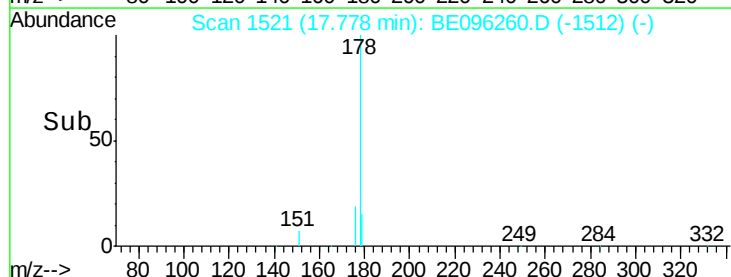
179 14.8 13.0 19.6

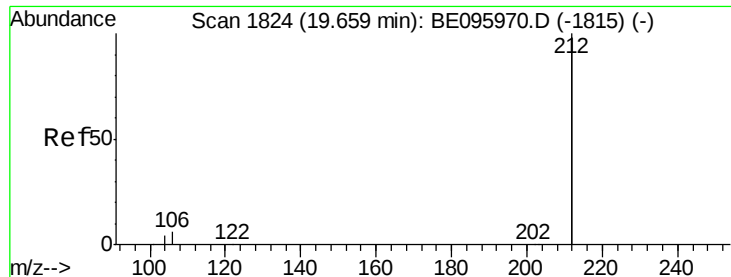


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.64 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

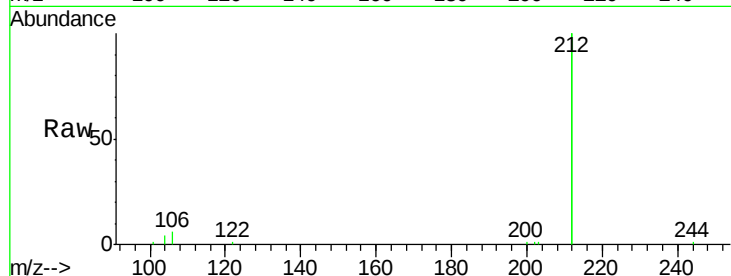
Tot Ion:212 Resp: 19044

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

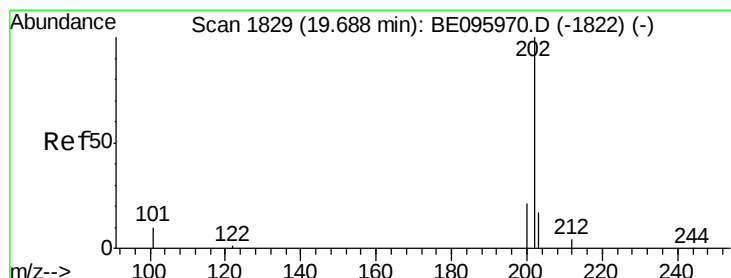
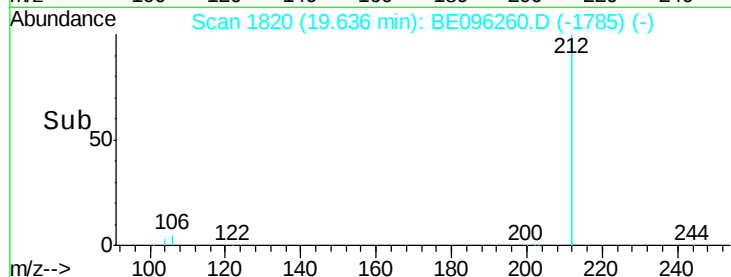
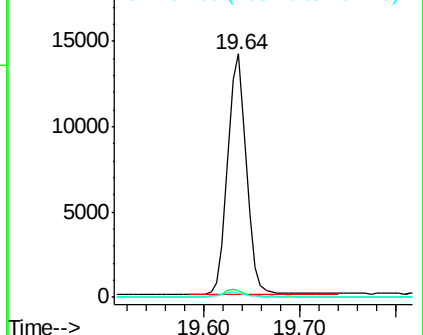
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.388 ng

RT: 19.66 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

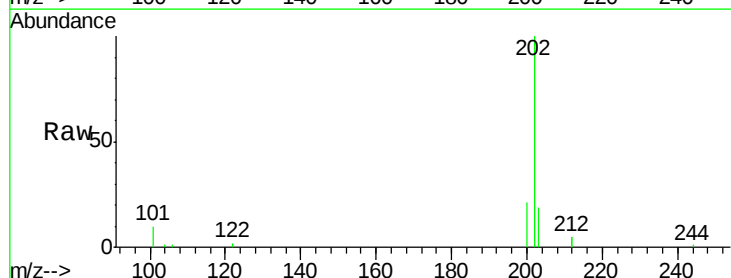
Tgt Ion:202 Resp: 5628

Ion Ratio Lower Upper

202 100

101 10.3 9.8 14.8

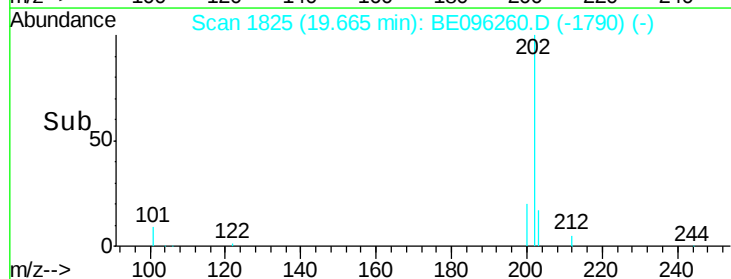
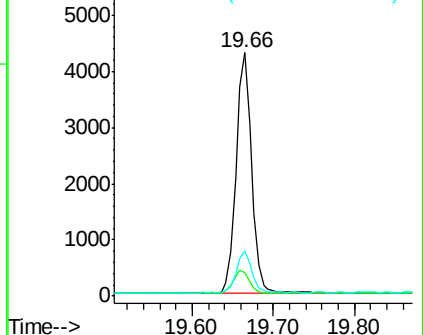
203 17.1 13.7 20.5



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: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

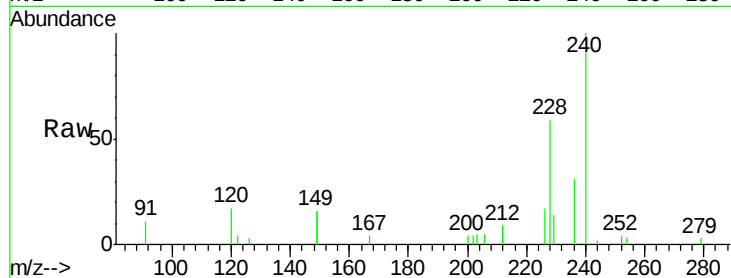
Tot Ion:240 Resp: 4017

Ion Ratio Lower Upper

240 100

120 17.2 5.5 8.3#

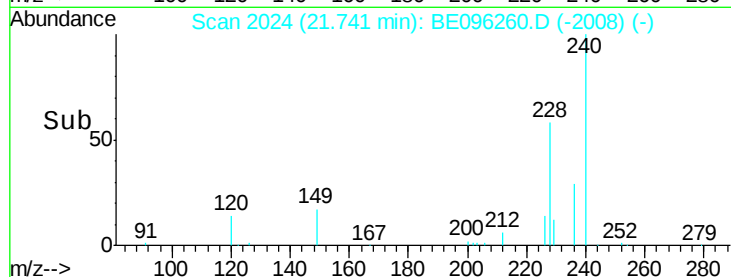
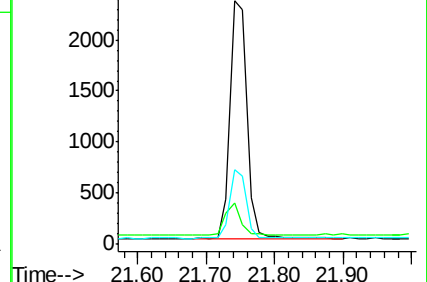
236 30.9 20.7 31.1



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: 0.035 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

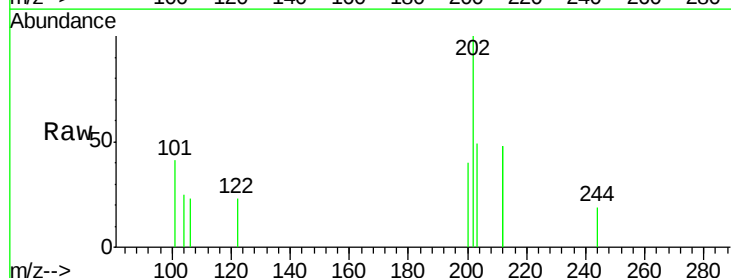
Tgt Ion:202 Resp: 279

Ion Ratio Lower Upper

202 100

200 26.5 16.6 25.0#

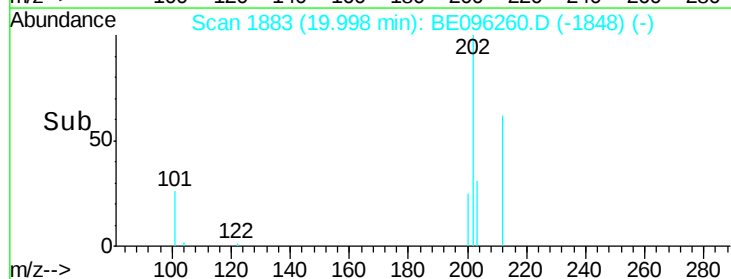
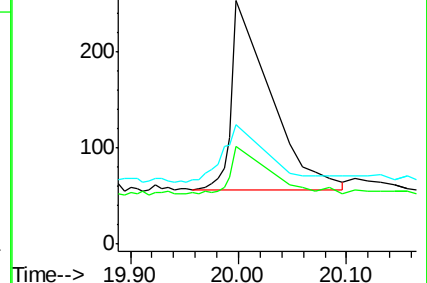
203 44.4 13.8 20.8#



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: 0.334 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

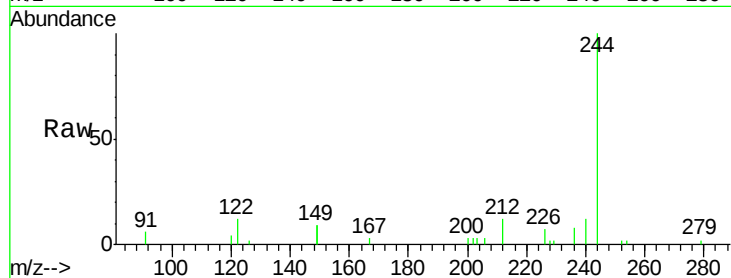
Tot Ion:244 Resp: 2966

Ion Ratio Lower Upper

244 100

212 12.1 25.4 38.0#

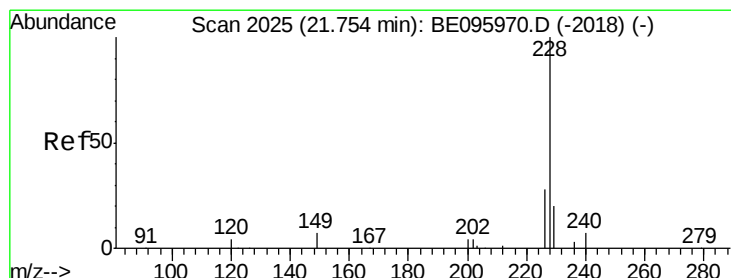
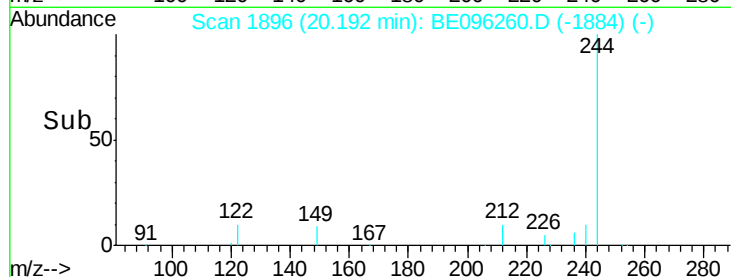
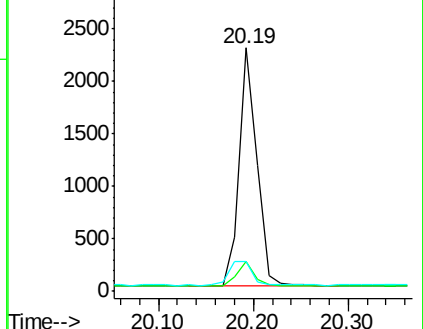
122 12.2 8.1 12.1#



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: 0.403 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

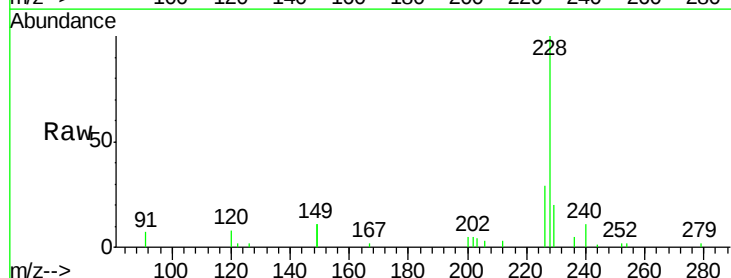
Tgt Ion:228 Resp: 5187

Ion Ratio Lower Upper

228 100

226 28.9 24.0 36.0

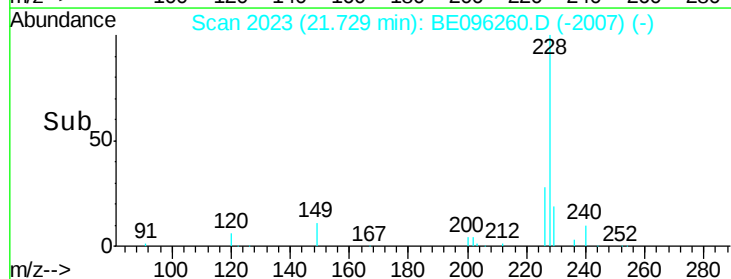
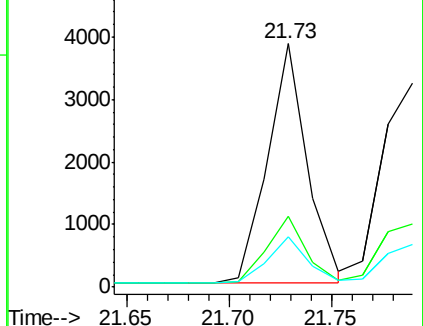
229 20.4 16.0 24.0



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: 0.407 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

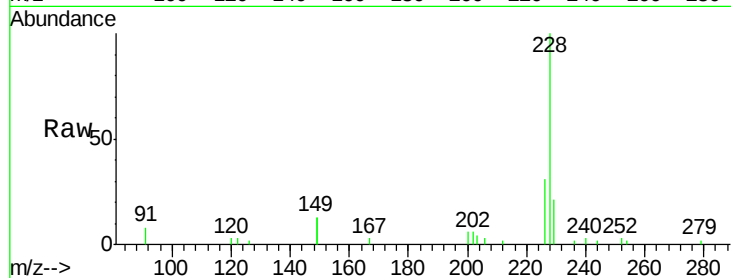
Tot Ion:228 Resp: 5063

Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

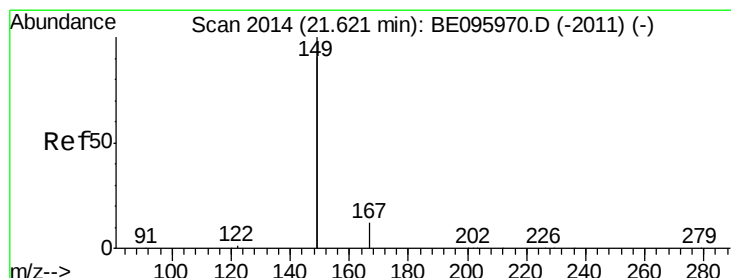
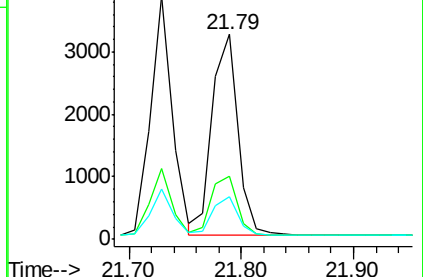
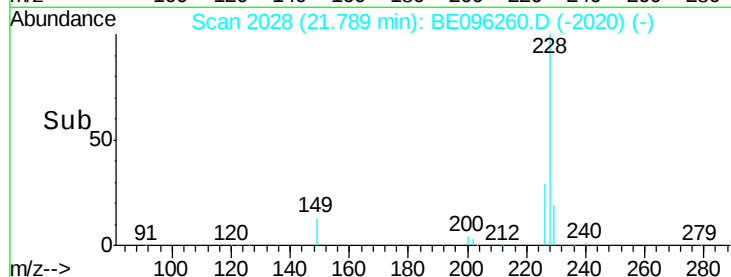
229 21.1 16.0 24.0



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: 0.407 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

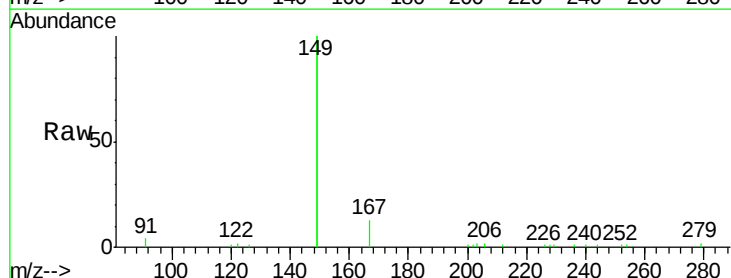
Tgt Ion:149 Resp: 13548

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

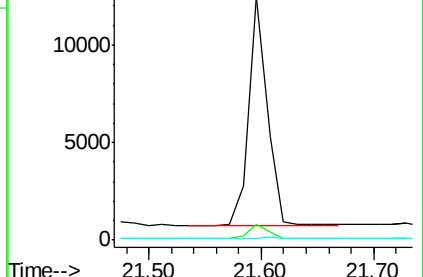
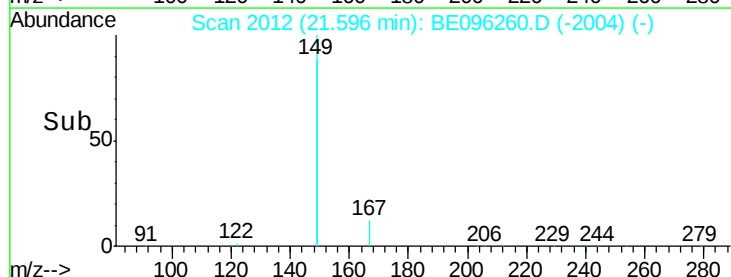
279 0.9 0.7 1.1



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

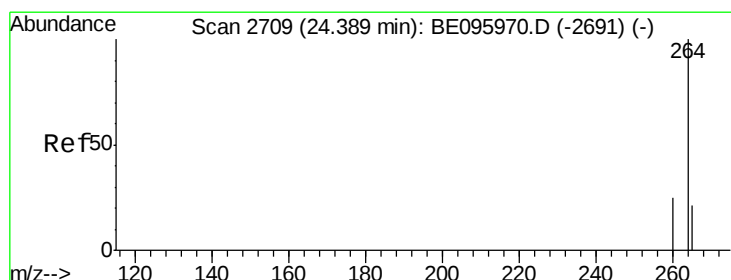
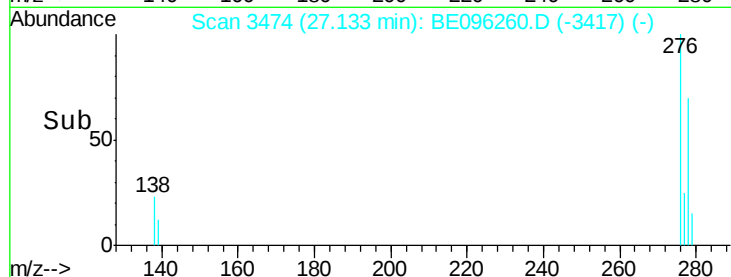
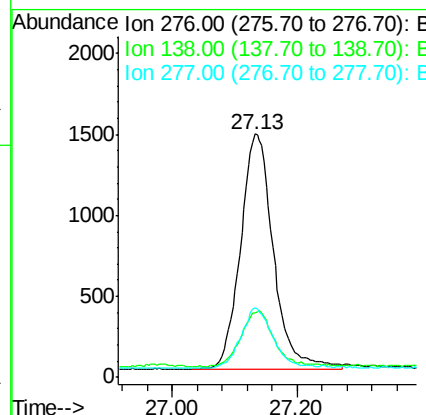
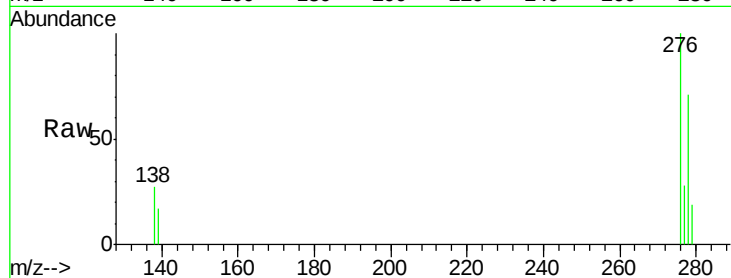




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.443 ng
RT: 27.13 min Scan# 3474
Delta R.T. 0.00 min
Lab File: BE096260.D
Acq: 1 May 2018 16:52

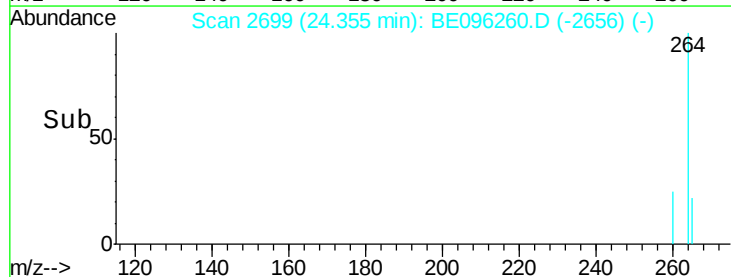
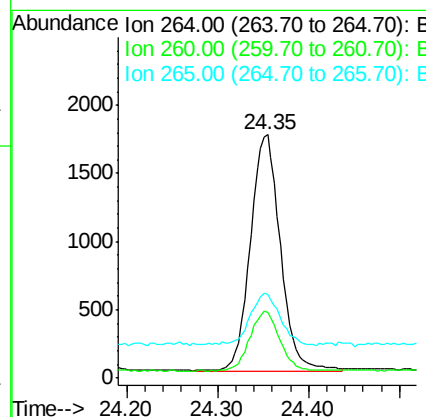
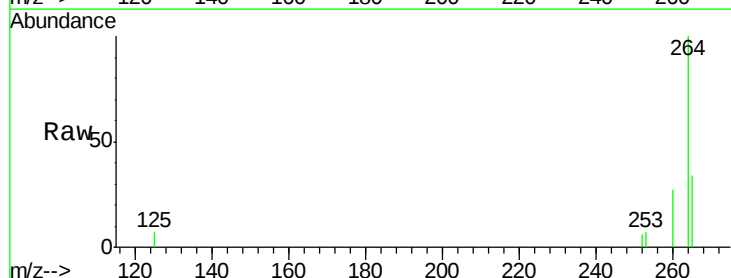
Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 5341
Ion Ratio Lower Upper
276 100
138 23.1 22.5 33.7
277 24.3 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE096260.D
Acq: 1 May 2018 16:52

Tgt Ion:264 Resp: 3918
Ion Ratio Lower Upper
264 100
260 27.2 20.5 30.7
265 34.4 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.427 ng

RT: 23.54 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

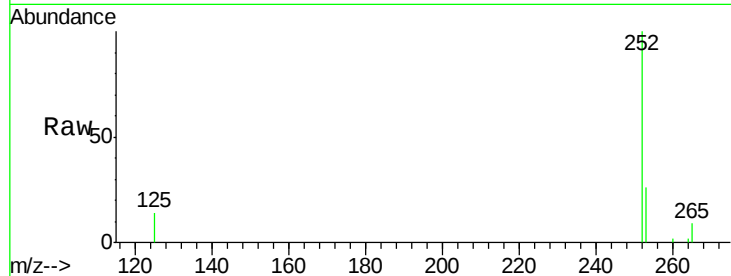
Tot Ion:252 Resp: 5017

Ion Ratio Lower Upper

252 100

253 26.2 20.0 30.0

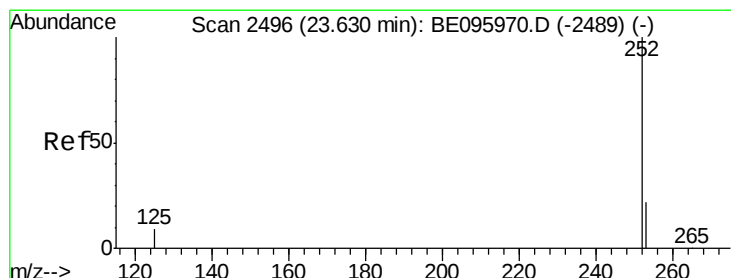
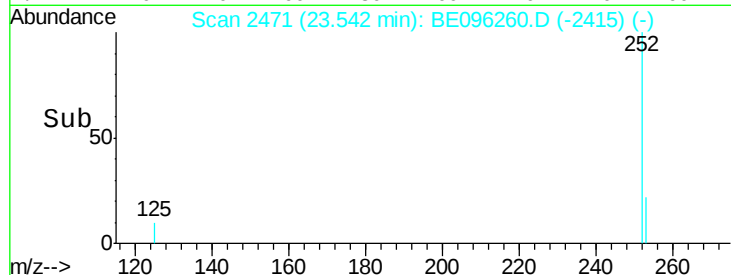
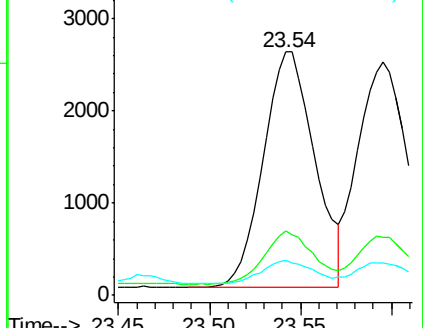
125 14.3 16.0 24.0#



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: 0.394 ng

RT: 23.60 min Scan# 2486

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

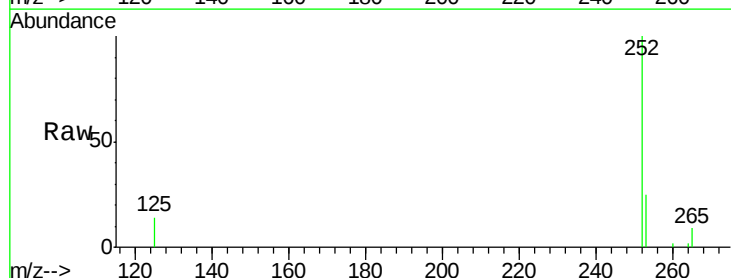
Tgt Ion:252 Resp: 4760

Ion Ratio Lower Upper

252 100

253 24.6 16.0 24.0#

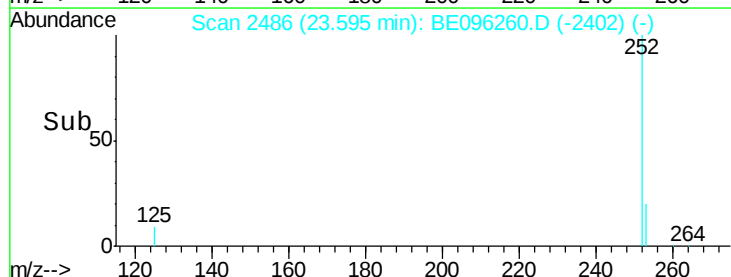
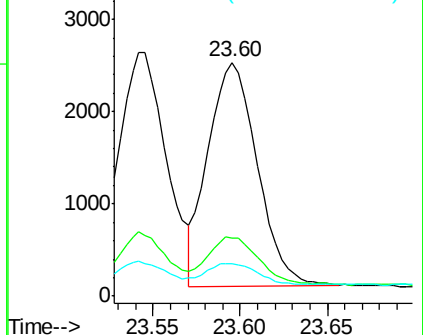
125 13.8 8.0 12.0#

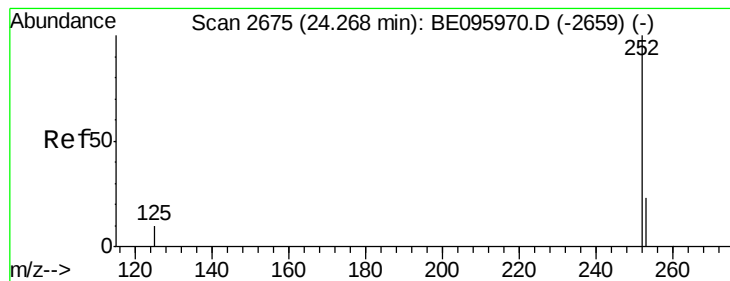


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.414 ng

RT: 24.23 min Scan# 2665

Delta R.T. -0.00 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

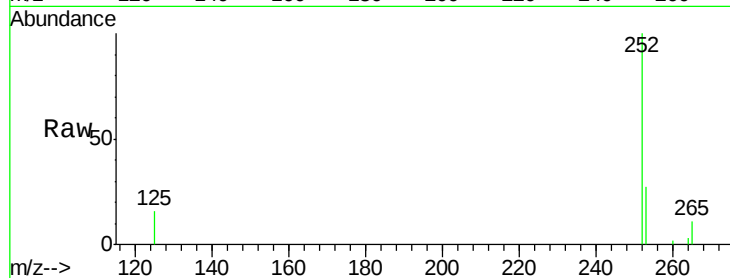
Tot Ion:252 Resp: 4675

Ion Ratio Lower Upper

252 100

253 26.6 16.0 24.0#

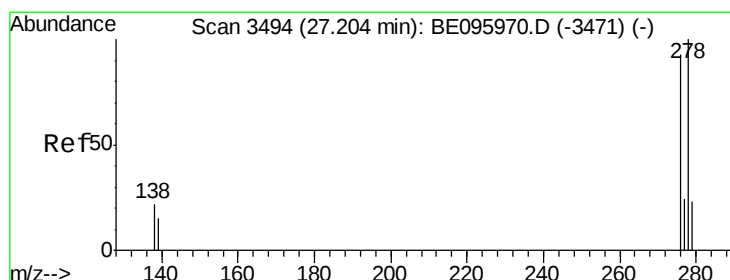
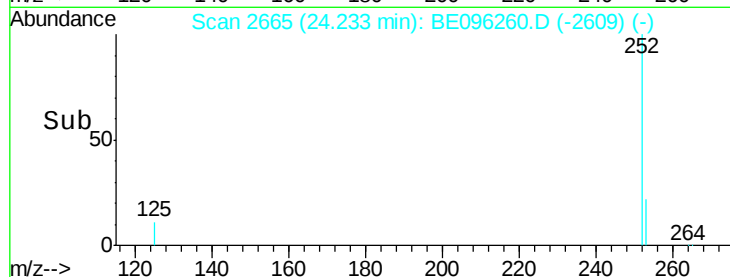
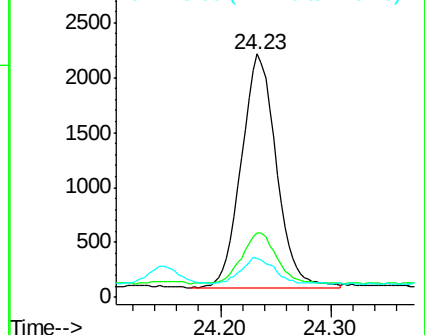
125 15.9 12.0 18.0



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: 0.433 ng

RT: 27.15 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

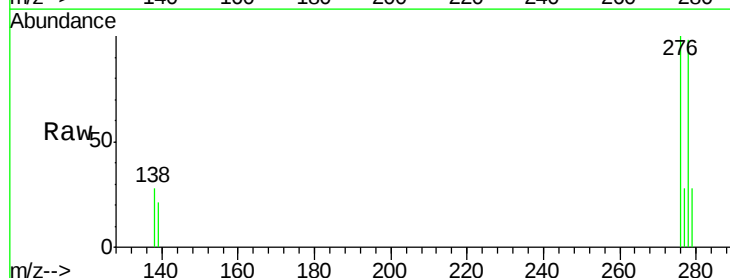
Tgt Ion:278 Resp: 4313

Ion Ratio Lower Upper

278 100

139 21.9 16.0 24.0

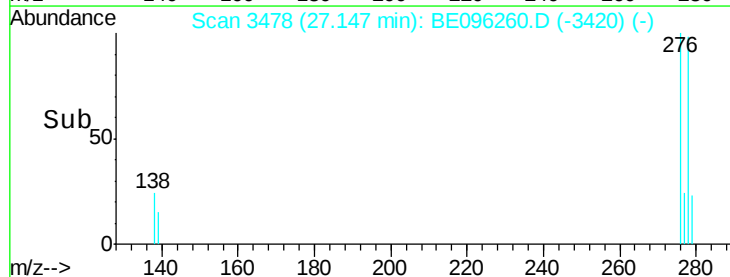
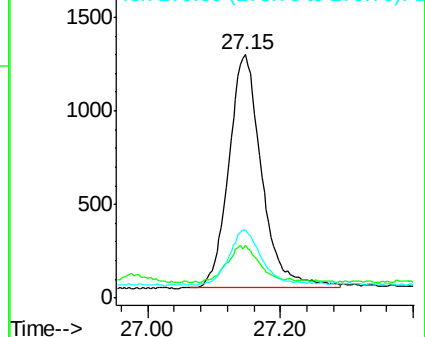
279 28.2 20.0 30.0

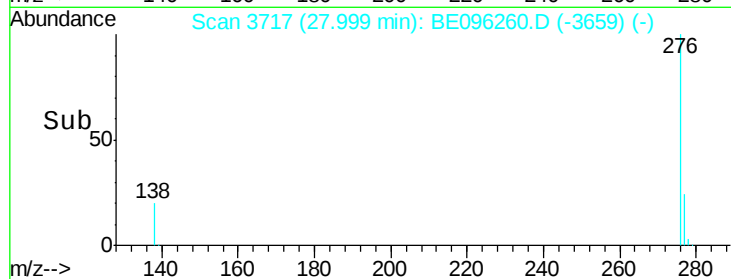
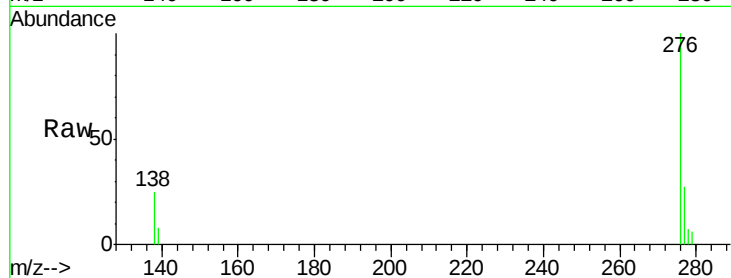
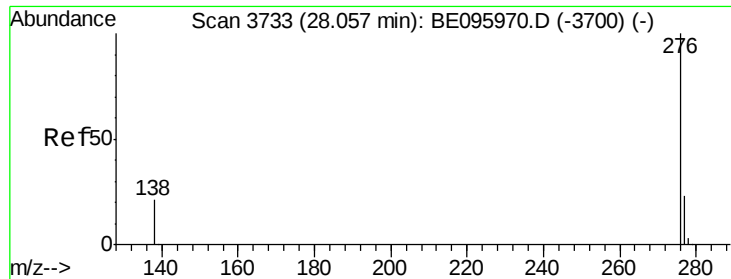


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.420 ng

RT: 28.00 min Scan# 3717

Delta R.T. 0.01 min

Lab File: BE096260.D

Acq: 1 May 2018 16:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 276 Resp: 4429

Ion Ratio Lower Upper

276 100

277 27.4 16.0 24.0#

138 24.8 20.0 30.0

