

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
 Data File : BE096289.D
 Acq On : 2 May 2018 10:26
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 03 01:47:56 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	8.35	152	905	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3505	0.40	ng	0.00
13) Acenaphthene-d10	14.93	164	1913	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	4382	0.40	ng	0.00
27) Chrysene-d12	21.74	240	4420	0.40	ng	0.00
34) Perylene-d12	24.35	264	4100	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.88	112	1013	0.36	ng	0.01
5) Phenol-d6	7.52	99	1455	0.38	ng	0.01
8) Nitrobenzene-d5	9.54	82	1638	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	2086	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	269	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	3215	0.39	ng	0.00
25) Fluoranthene-d10	19.63	212	20986	0.35	ng	0.00
29) Terphenyl-d14	20.19	244	3561	0.36	ng	0.00

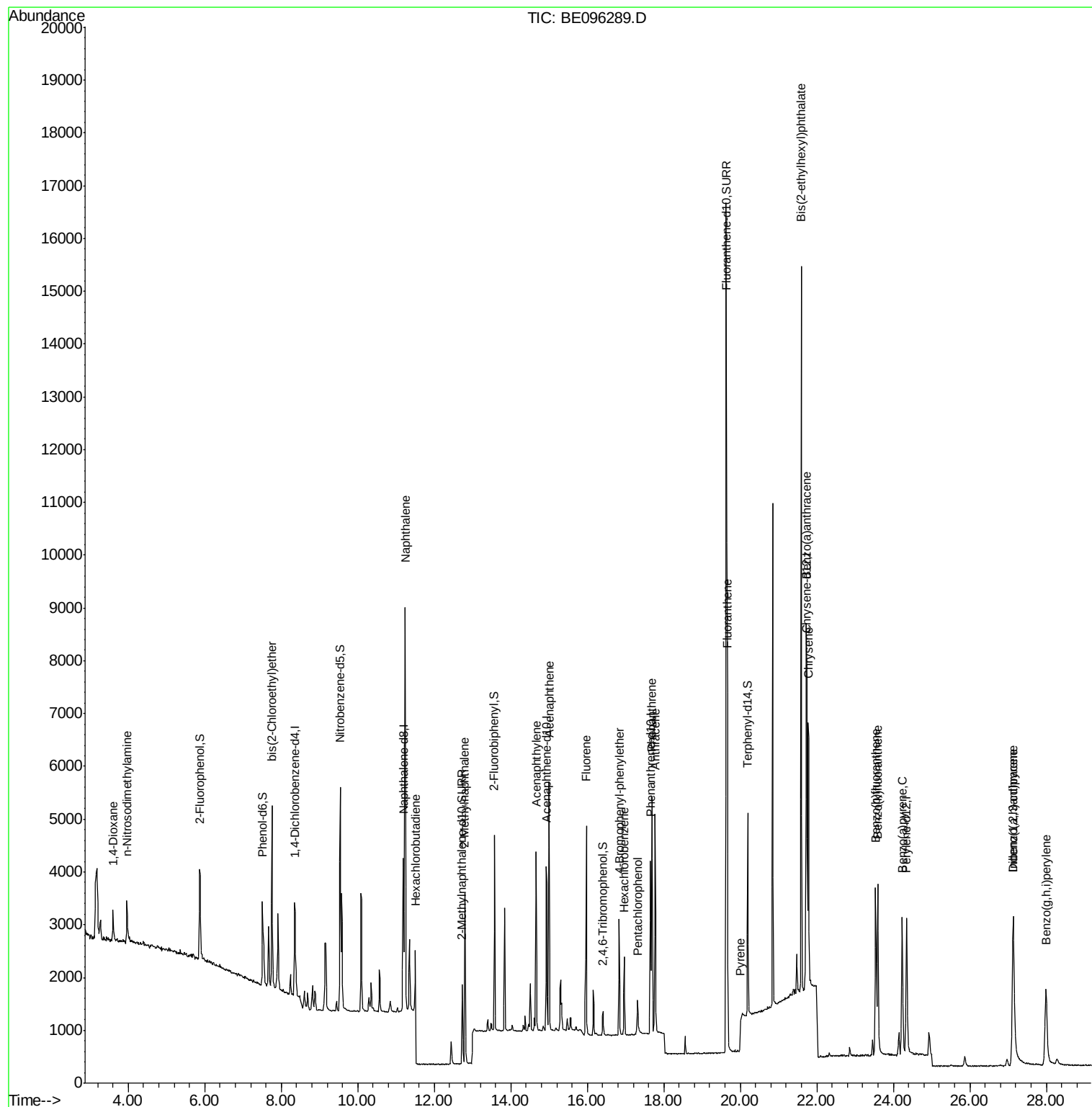
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.61	88	496	0.355	ng	# 91
3) n-Nitrosodimethylamine	3.97	42	677	0.395	ng	# 73
6) bis(2-Chloroethyl)ether	7.76	93	1249	0.367	ng	97
9) Naphthalene	11.24	128	14048	0.380	ng	100
10) Hexachlorobutadiene	11.50	225	489	0.299	ng	94
12) 2-Methylnaphthalene	12.81	142	2313	0.378	ng	98
16) Acenaphthylene	14.67	152	3966	0.388	ng	100
17) Acenaphthene	15.00	154	2299	0.375	ng	91
18) Fluorene	15.97	166	2858	0.376	ng	# 77
20) 4-Bromophenyl-phenylether	16.83	248	1016	0.390	ng	# 78
21) Hexachlorobenzene	16.96	284	1021	0.394	ng	# 80
22) Pentachlorophenol	17.31	266	380	0.453	ng	# 77
23) Phenanthrene	17.68	178	4813	0.391	ng	99
24) Anthracene	17.78	178	4382	0.372	ng	# 95
26) Fluoranthene	19.66	202	5868	0.363	ng	98
28) Pyrene	20.00	202	426	0.049	ng	# 87
30) Benzo(a)anthracene	21.73	228	5238	0.370	ng	97
31) Chrysene	21.78	228	5369	0.392	ng	96
32) Bis(2-ethylhexyl)phthalate	21.60	149	14278	0.390	ng	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	4627	0.349	ng	94
35) Benzo(b)fluoranthene	23.54	252	4816	0.392	ng	# 92
36) Benzo(k)fluoranthene	23.59	252	5078	0.401	ng	# 90
37) Benzo(a)pyrene	24.23	252	4605	0.390	ng	# 92
38) Dibenzo(a,h)anthracene	27.13	278	3670	0.352	ng	93
39) Benzo(g,h,i)perylene	27.99	276	4062	0.368	ng	# 93

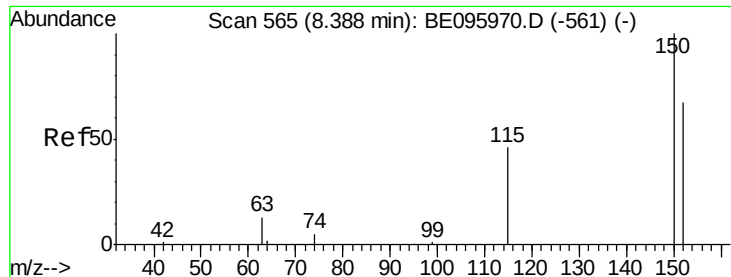
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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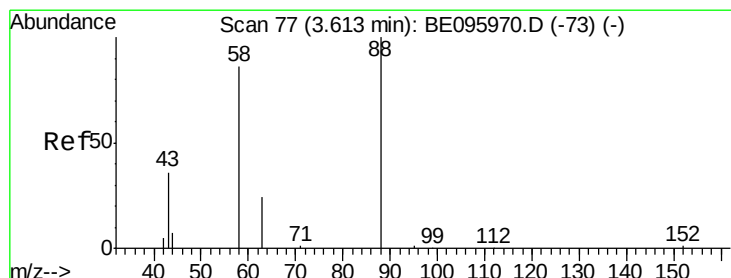
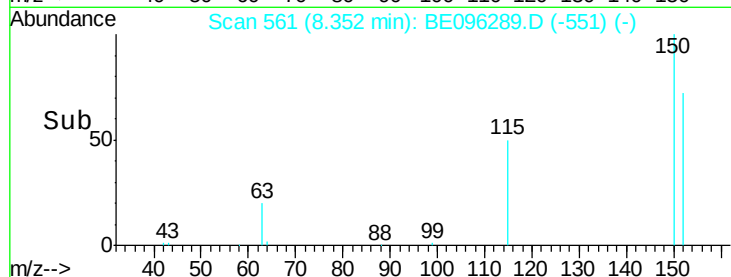
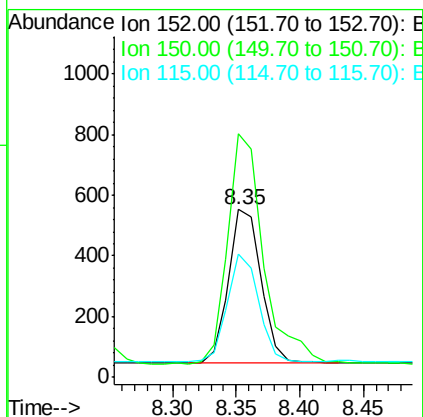
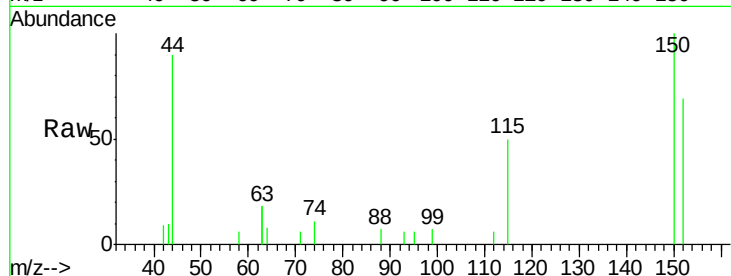


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.35 min Scan# 561
Delta R.T. -0.01 min
Lab File: BE096289.D
Acq: 2 May 2018 10:26

Instrument :
BNA_E
ClientSampleId :

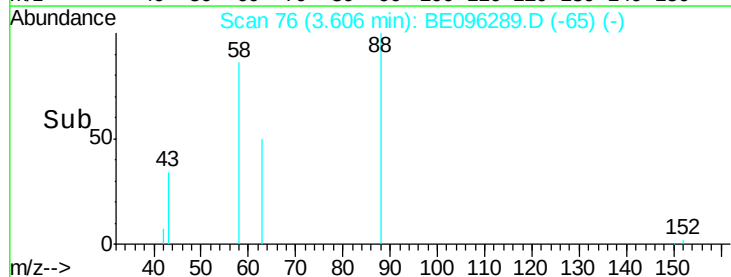
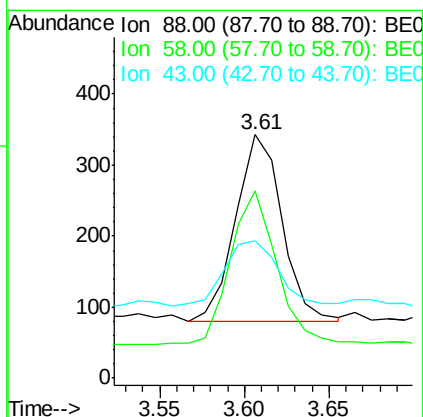
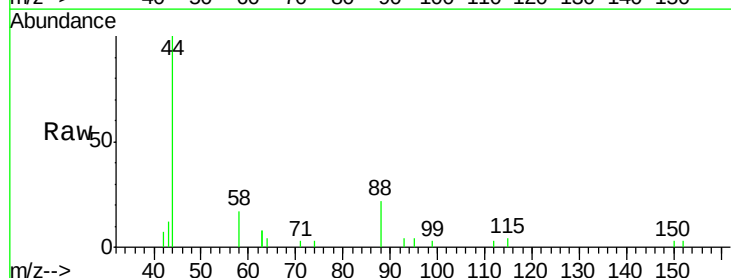
Tot Ion:152 Resp: 905
Ion Ratio Lower Upper
152 100
150 145.0 117.2 175.8
115 73.2 57.0 85.6

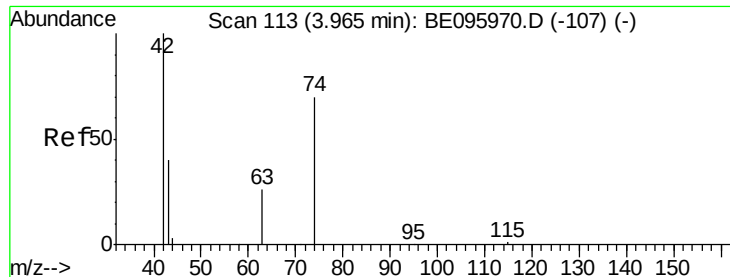


#2

1,4-Dioxane
Concen: 0.355 ng
RT: 3.61 min Scan# 76
Delta R.T. 0.00 min
Lab File: BE096289.D
Acq: 2 May 2018 10:26

Tgt Ion: 88 Resp: 496
Ion Ratio Lower Upper
88 100
58 82.3 63.2 94.8
43 40.3 41.2 61.8#



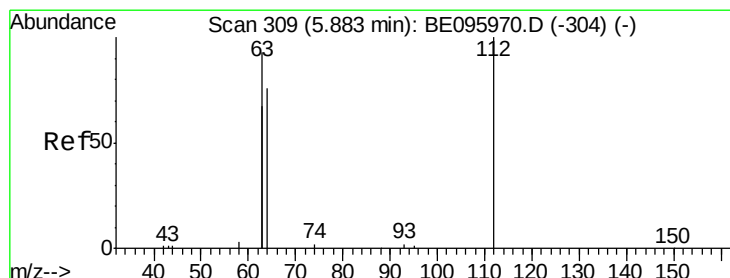
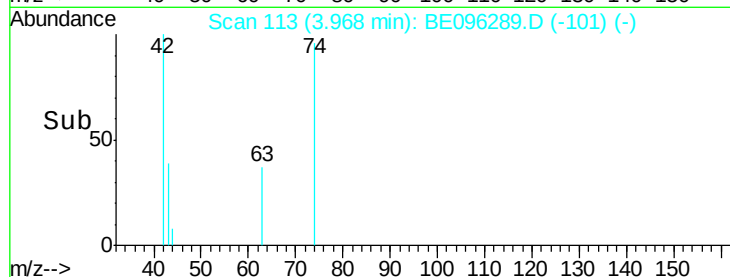
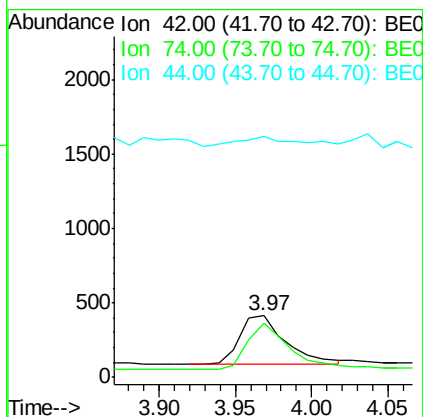
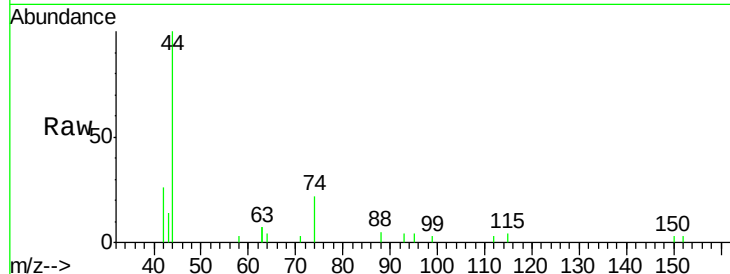


#3

n-Nitrosodimethylamine
 Concen: 0.395 ng
 RT: 3.97 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BE096289.D
 Acq: 2 May 2018 10:26

Instrument :
 BNA_E
 ClientSampleId :

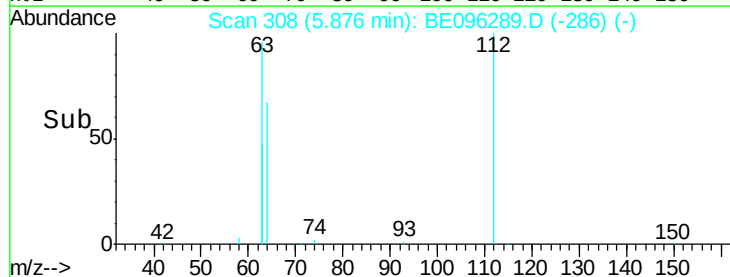
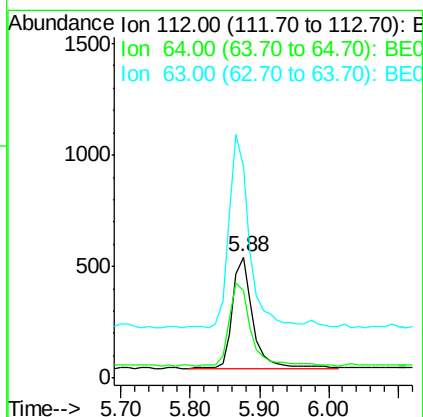
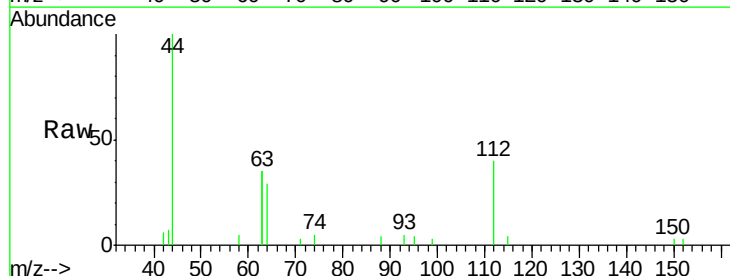
Tot Ion	Ratio	Lower	Upper
42	100		
74	88.8	96.0	144.0#
44	22.6	12.0	18.0#

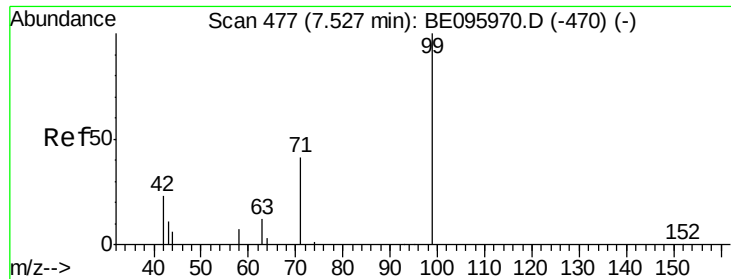


#4

2-Fluorophenol
 Concen: 0.362 ng
 RT: 5.88 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096289.D
 Acq: 2 May 2018 10:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.7	60.1	90.1
63	171.7	116.8	175.2





#5

Phenol-d6

Concen: 0.377 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampled :

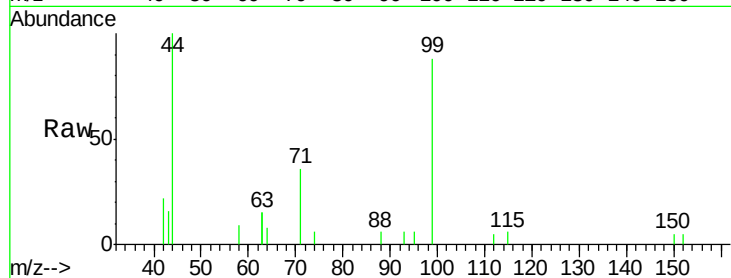
Tot Ion: 99 Resp: 1455

Ion Ratio Lower Upper

99 100

42 28.8 20.2 30.2

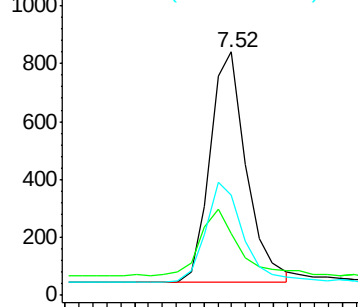
71 44.9 28.4 42.6#



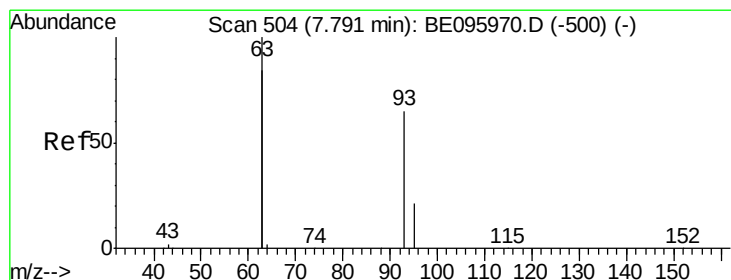
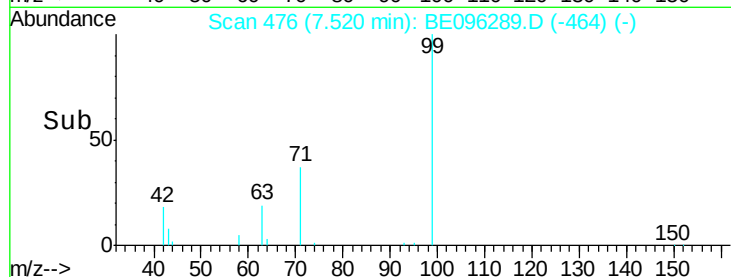
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.367 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

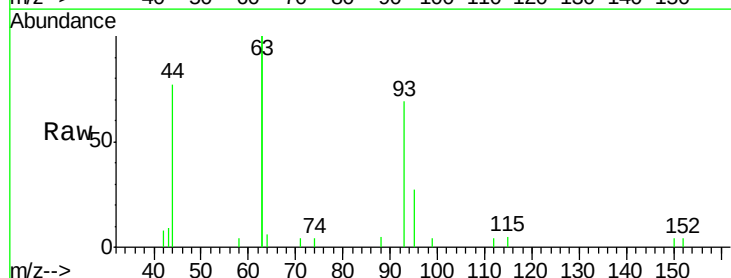
Tgt Ion: 93 Resp: 1249

Ion Ratio Lower Upper

93 100

63 336.5 275.3 412.9

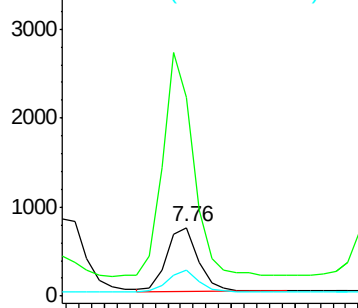
95 32.7 25.2 37.8



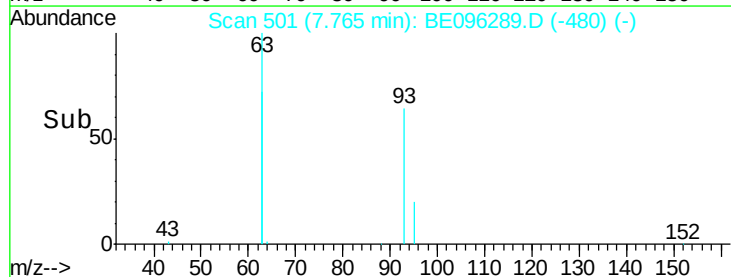
Abundance Ion 93.00 (92.70 to 93.70): BE0

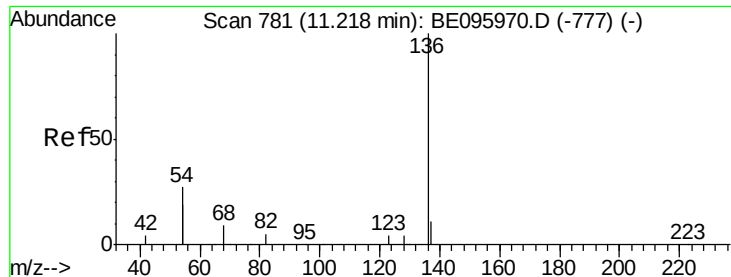
Ion 63.00 (62.70 to 63.70): BE0

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: BE096289.D

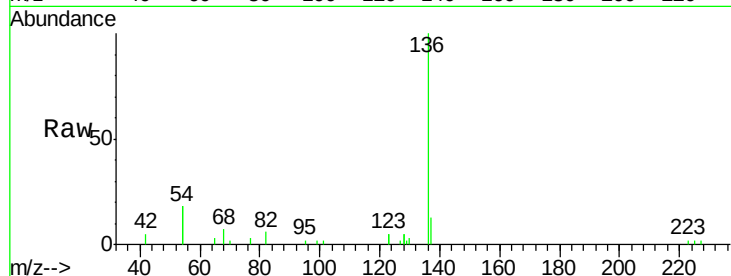
Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	3505
Ion	Ratio	Lower Upper
136	100	
137	12.8	9.5 14.3
54	36.7	29.1 43.7
68	6.9	6.2 9.2

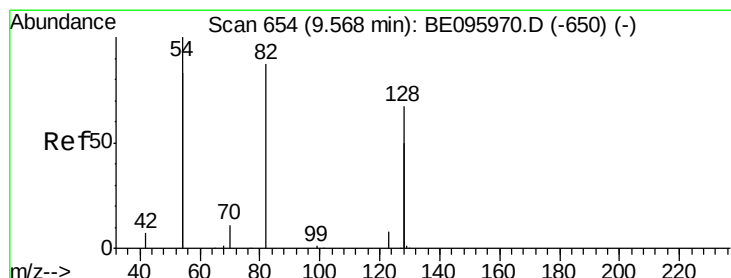
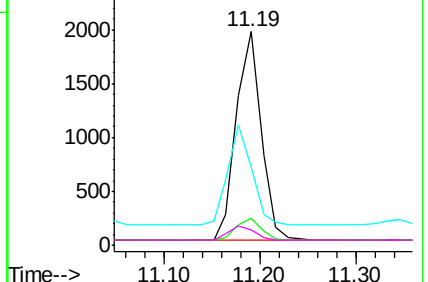
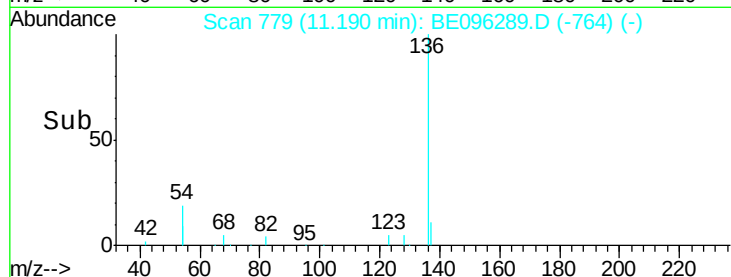


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.398 ng

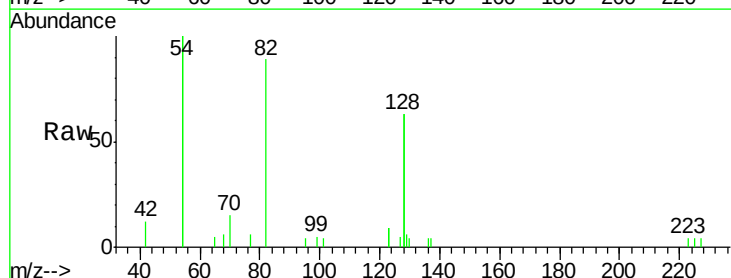
RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

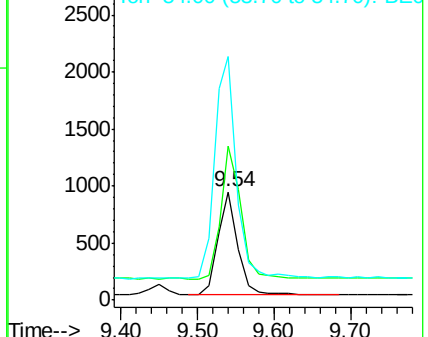
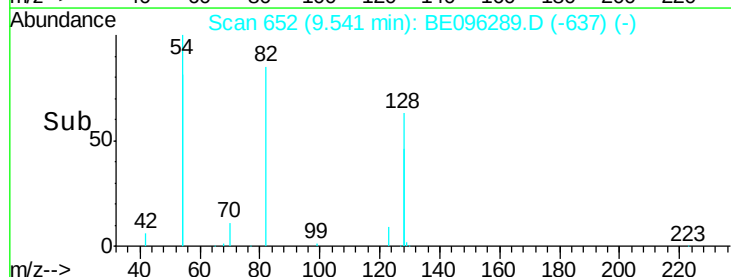
Tgt Ion: 82	Resp:	1638
Ion	Ratio	Lower Upper
82	100	
128	142.3	150.0 225.0#
54	225.3	154.2 231.4

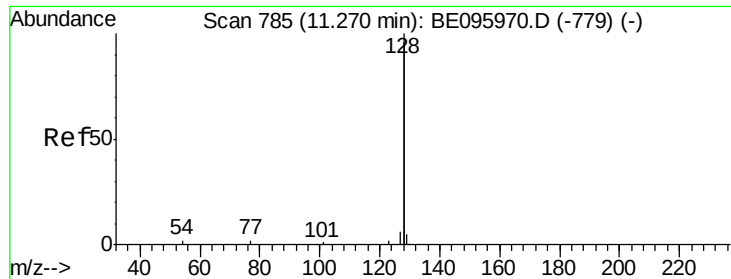


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.380 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampled :

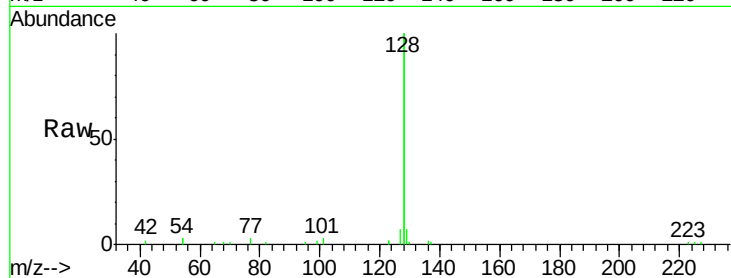
Tot Ion:128 Resp: 14048

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

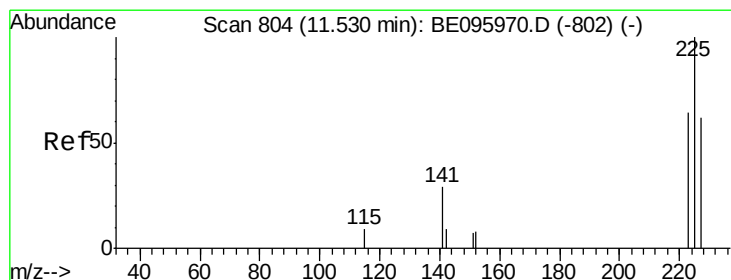
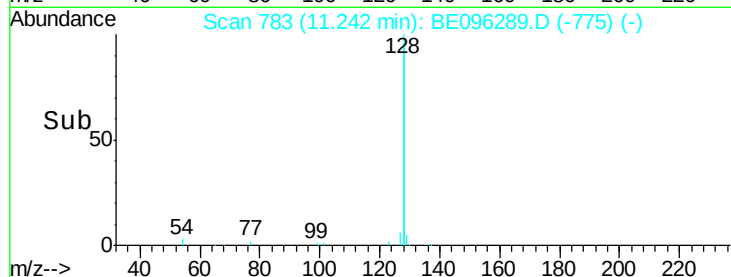
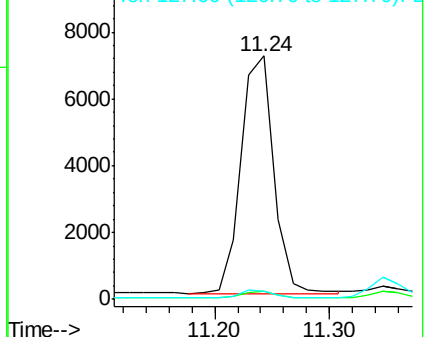
127 3.5 2.8 4.2



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: 0.299 ng

RT: 11.50 min Scan# 803

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

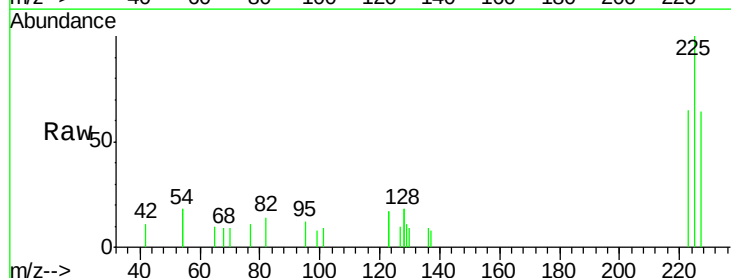
Tgt Ion:225 Resp: 489

Ion Ratio Lower Upper

225 100

223 67.9 53.0 79.6

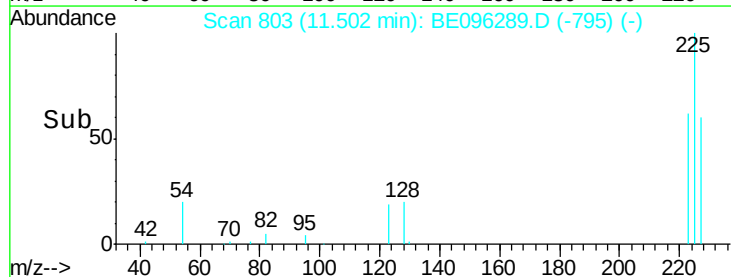
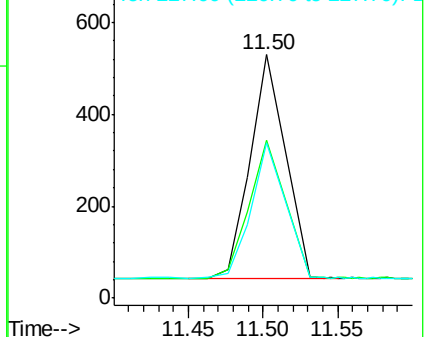
227 55.6 51.4 77.2

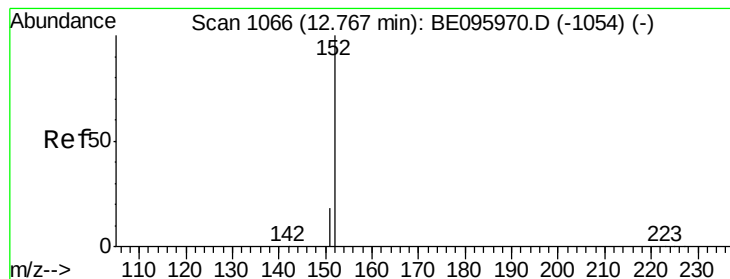


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.376 ng

RT: 12.73 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

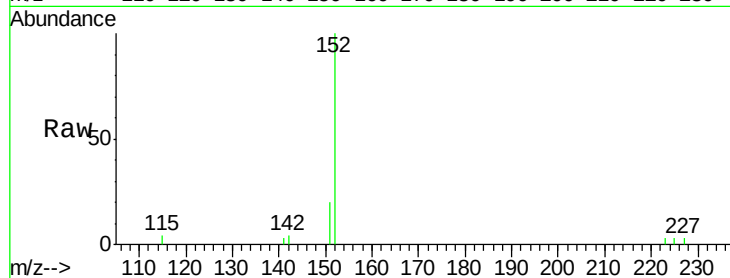
ClientSampleId :

Tot Ion:152 Resp: 2086

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.73

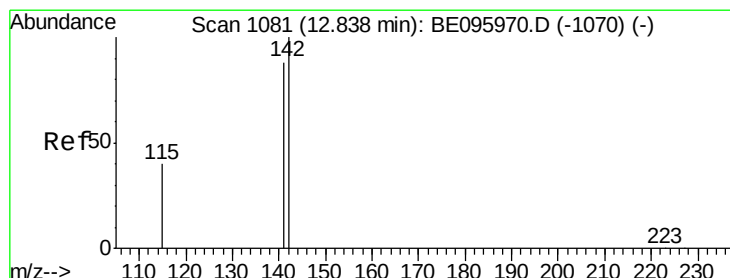
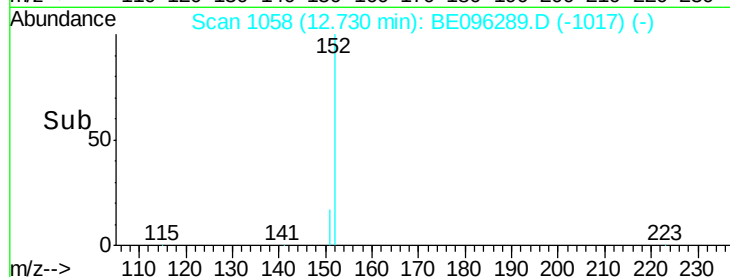
1500

1000

500

0

Time--> 12.70 12.80



#12

2-Methylnaphthalene

Concen: 0.378 ng

RT: 12.81 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

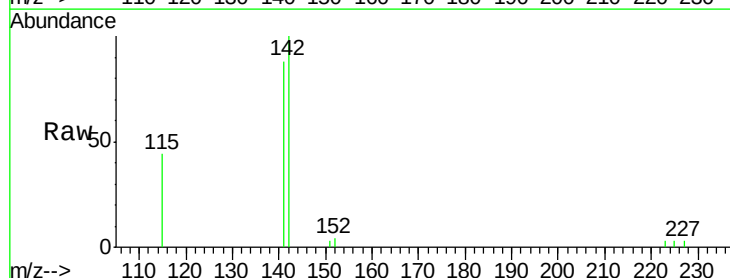
Tgt Ion:142 Resp: 2313

Ion Ratio Lower Upper

142 100

141 88.2 70.4 105.6

115 43.8 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2000

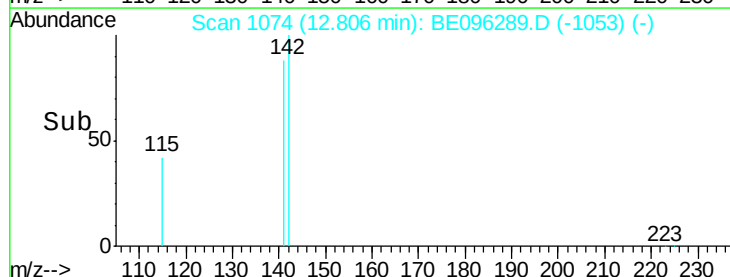
1500

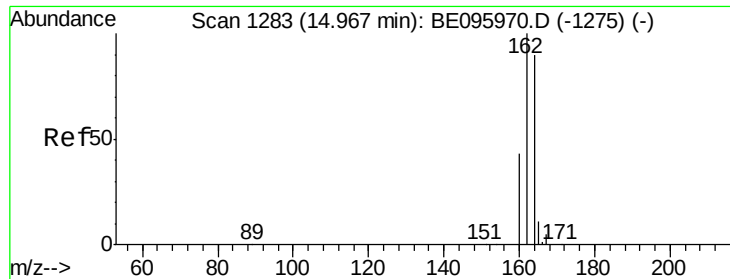
1000

500

0

Time--> 12.70 12.80 12.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.93 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

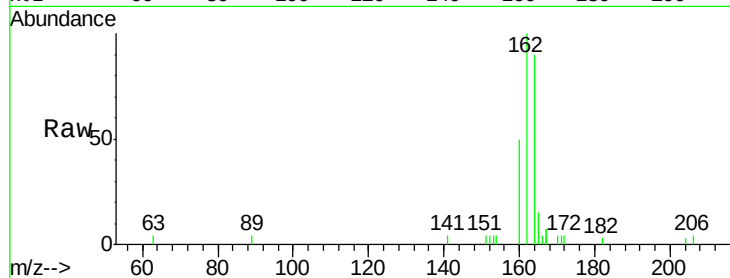
Tot Ion:164 Resp: 1913

Ion Ratio Lower Upper

164 100

162 111.7 83.1 124.7

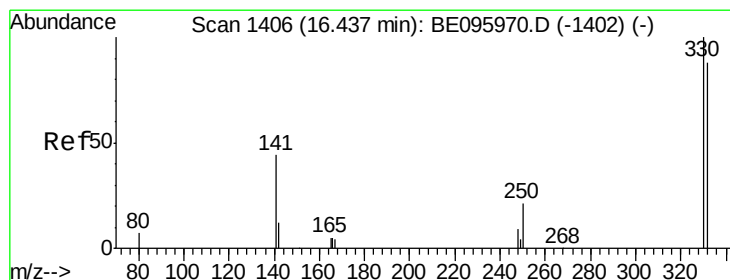
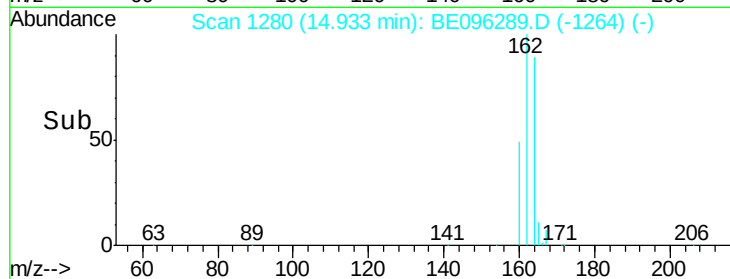
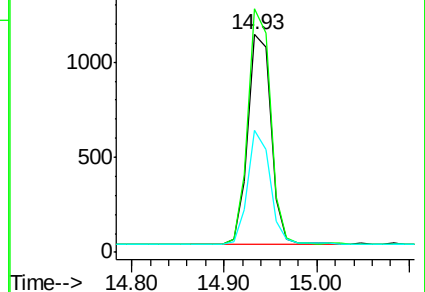
160 56.1 37.1 55.7#



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: 0.291 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

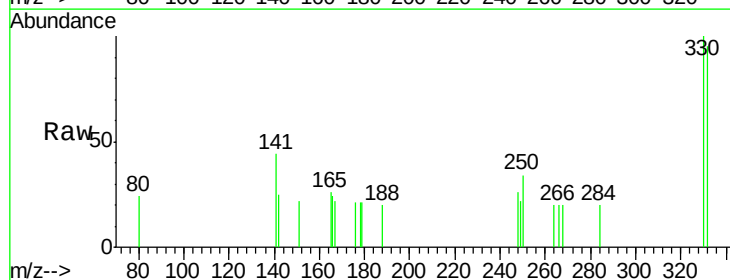
Tgt Ion:330 Resp: 269

Ion Ratio Lower Upper

330 100

332 98.5 152.7 229.1#

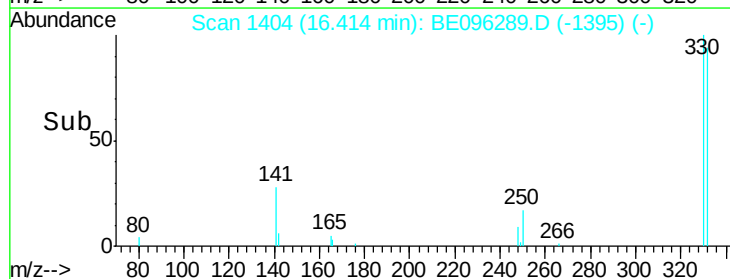
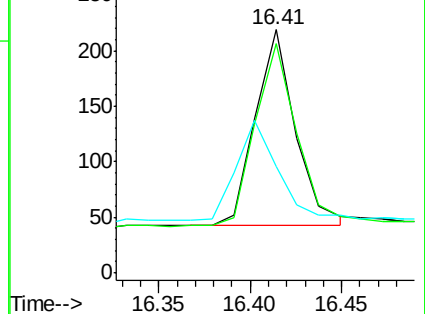
141 52.4 33.7 50.5#

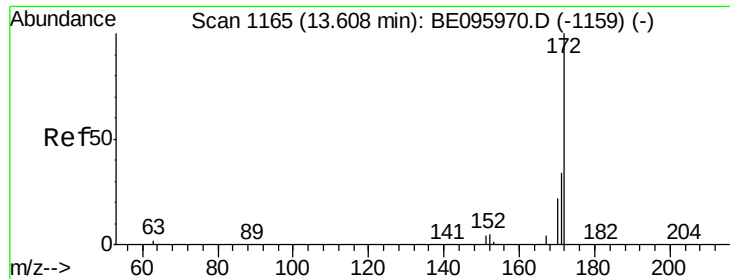


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

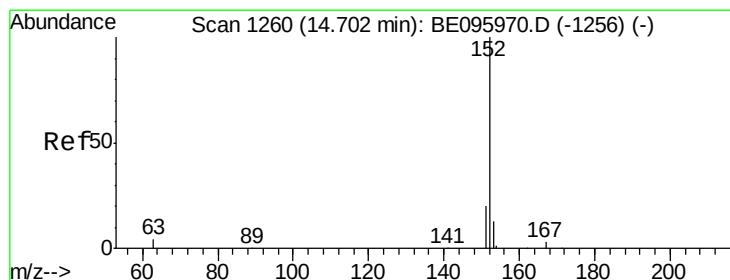
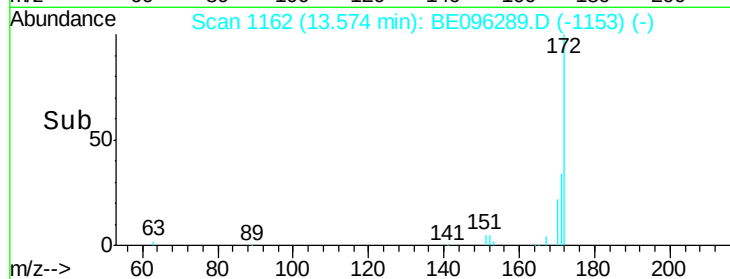
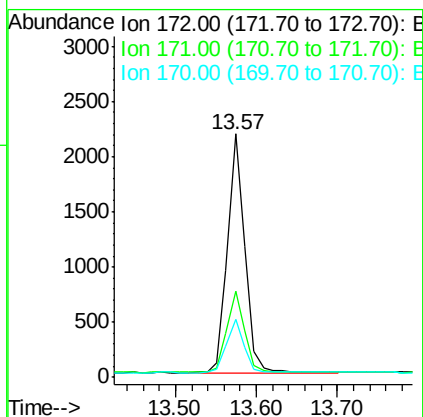
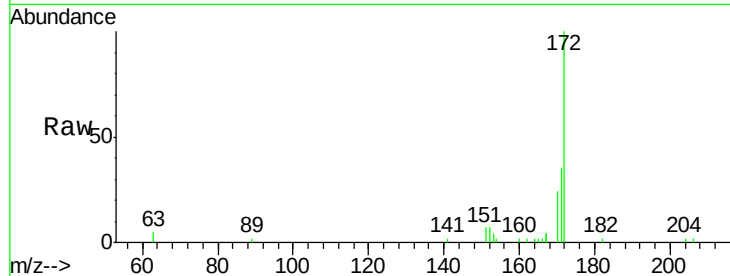




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096289.D
Acq: 2 May 2018 10:26

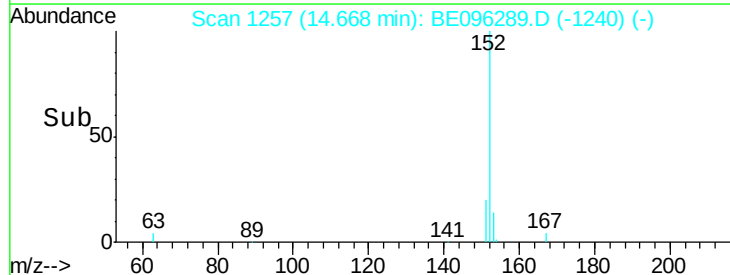
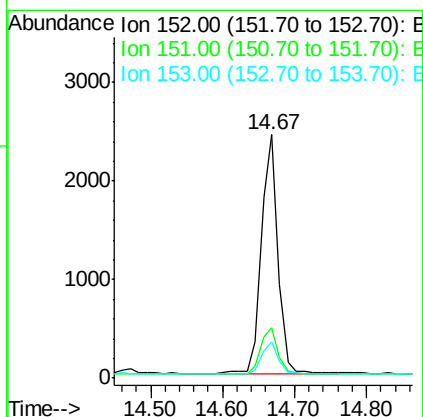
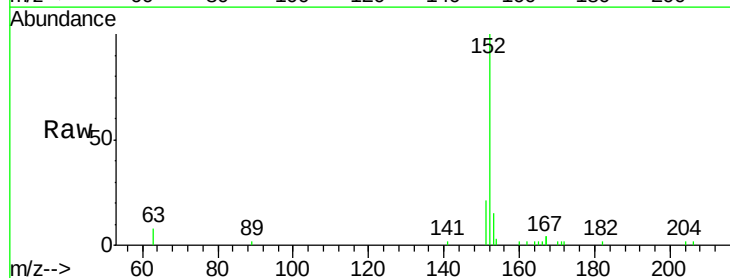
Instrument :
BNA_E
ClientSampled :

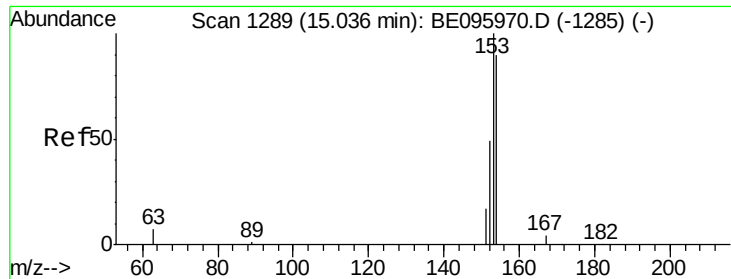
Tot Ion:172 Resp: 3215
Ion Ratio Lower Upper
172 100
171 35.3 29.9 44.9
170 24.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096289.D
Acq: 2 May 2018 10:26

Tgt Ion:152 Resp: 3966
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.375 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

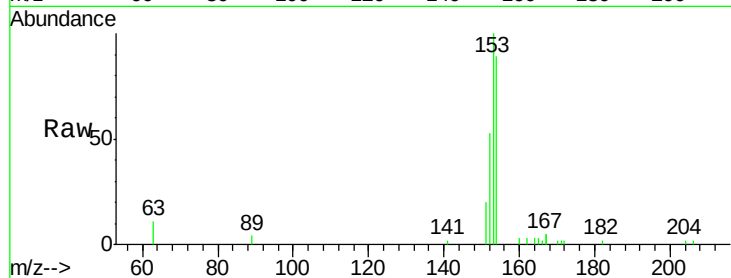
Tot Ion:154 Resp: 2299

Ion Ratio Lower Upper

154 100

153 118.0 89.2 133.8

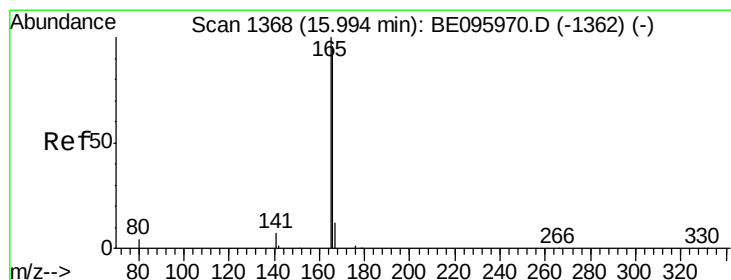
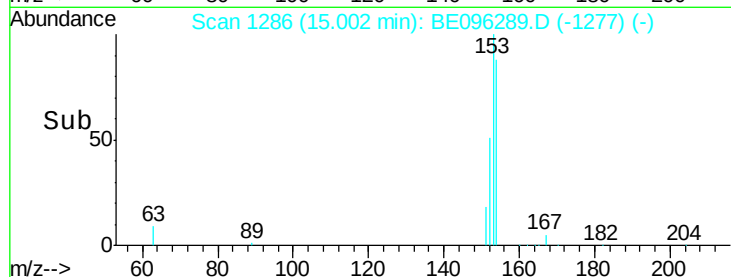
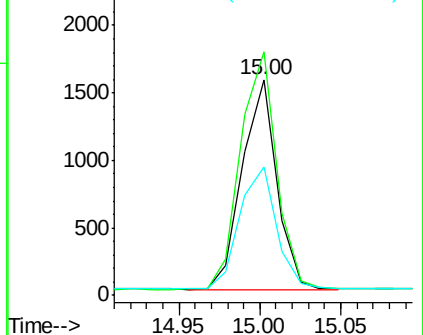
152 62.4 42.0 63.0



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: 0.376 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

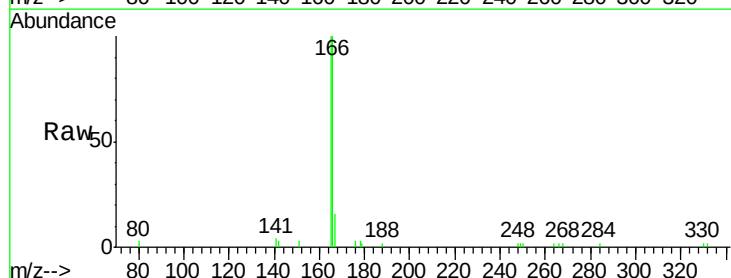
Tgt Ion:166 Resp: 2858

Ion Ratio Lower Upper

166 100

165 101.7 77.8 116.6

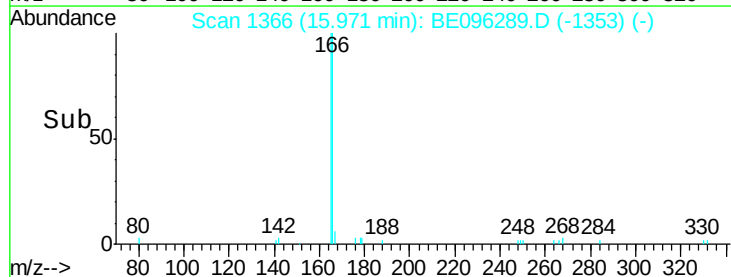
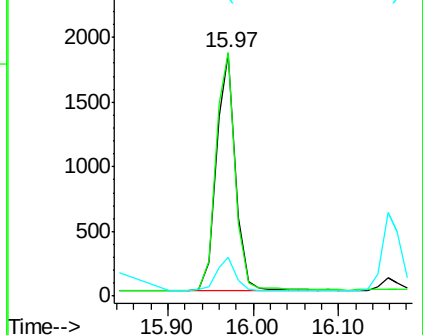
167 13.4 42.4 63.6#

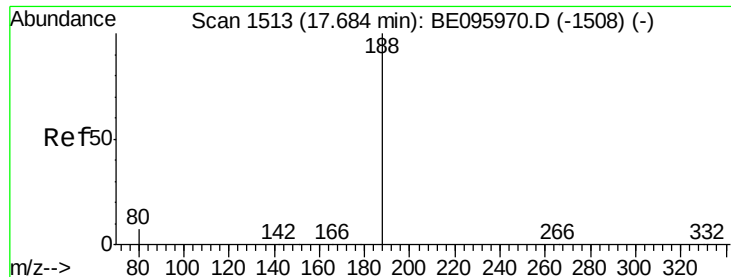


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

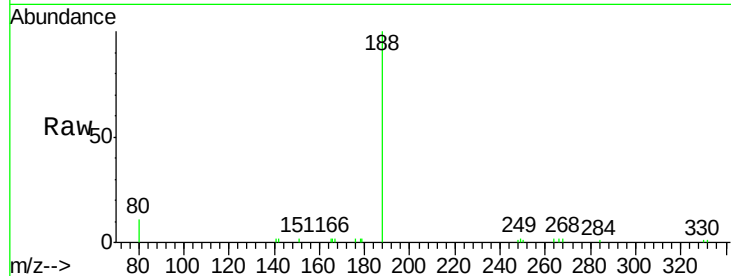
Tot Ion:188 Resp: 4382

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

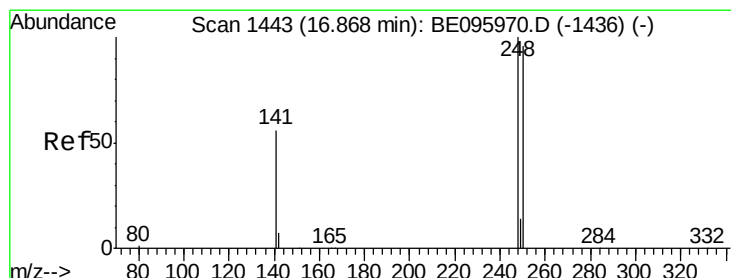
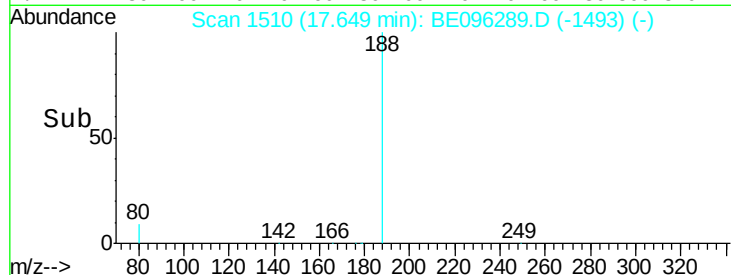
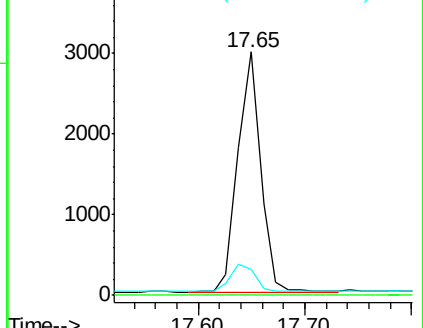
80 10.7 3.6 5.4#



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: 0.390 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

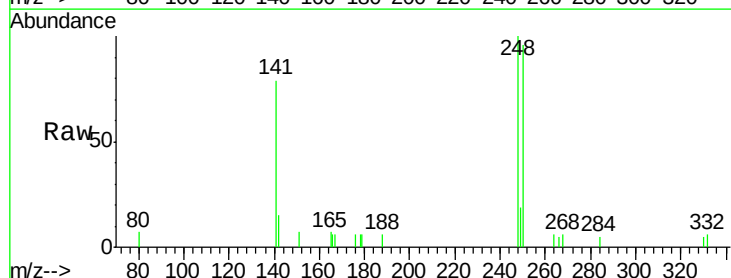
Tgt Ion:248 Resp: 1016

Ion Ratio Lower Upper

248 100

250 95.8 62.7 94.1#

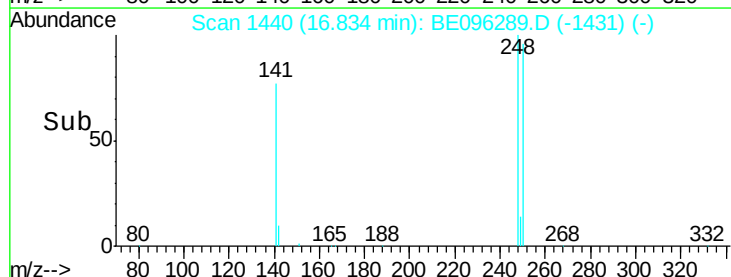
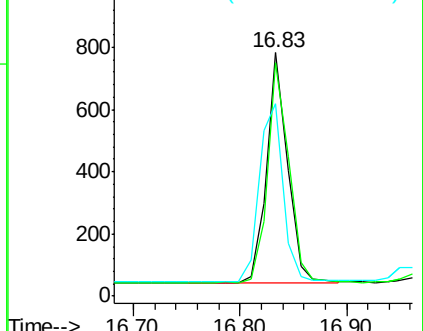
141 79.2 48.2 72.2#

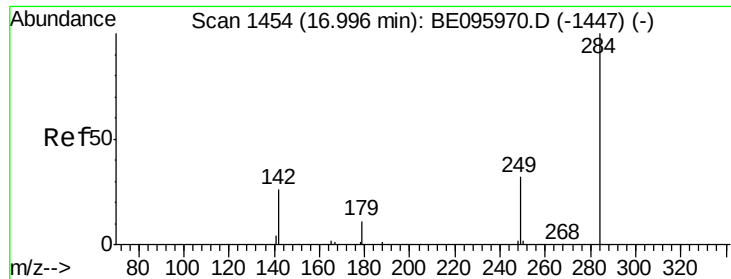


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.394 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096289.D

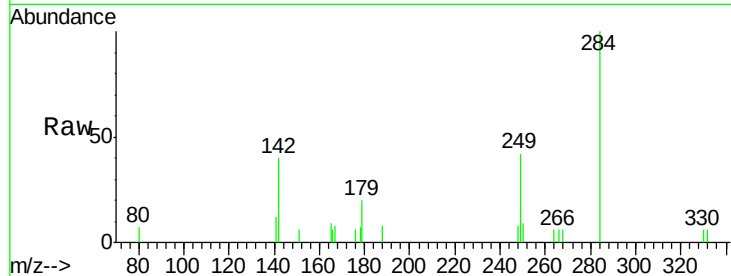
Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

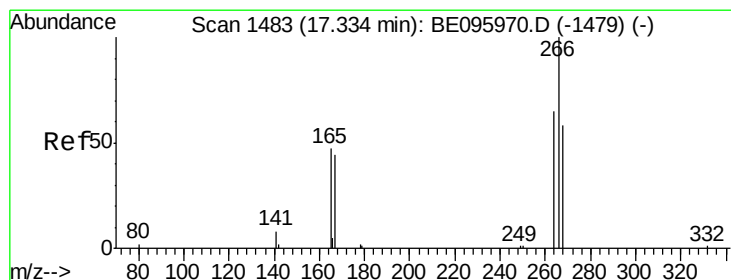
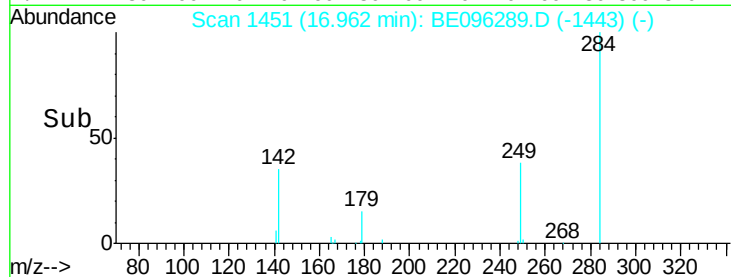
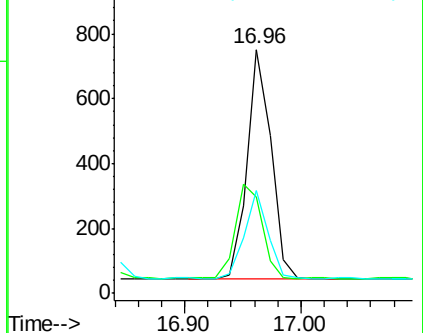
Tot Ion:284	Resp:	1021
Ion Ratio	Lower	Upper
284	100	
142	46.3	22.1 33.1#
249	37.2	34.8 52.2



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: 0.453 ng

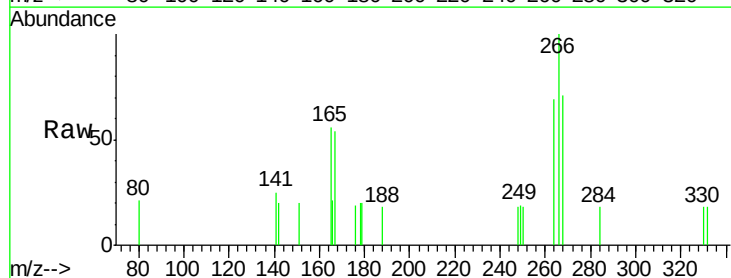
RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

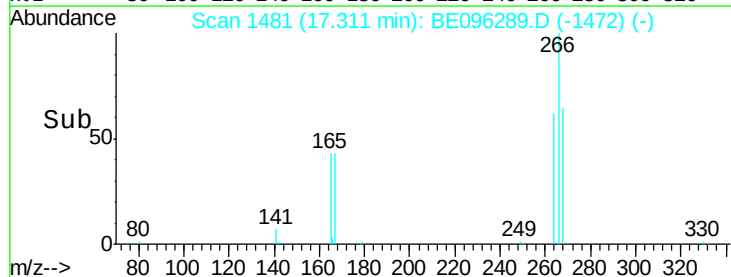
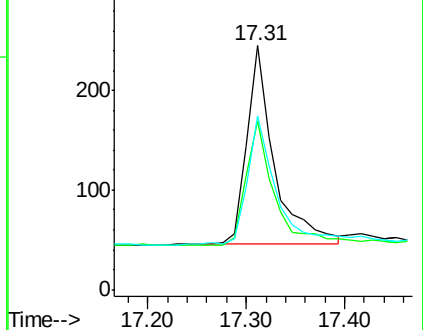
Tgt Ion:266	Resp:	380
Ion Ratio	Lower	Upper
266	100	
264	69.0	72.5 108.7#
268	71.0	73.8 110.6#

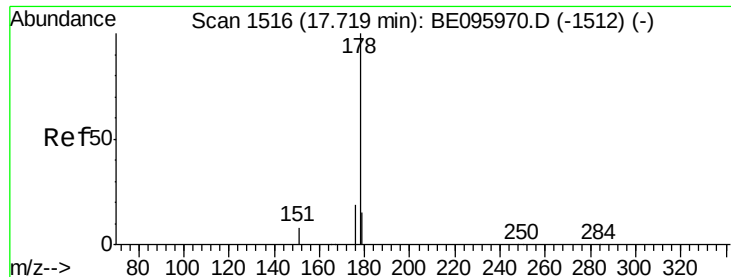


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.391 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

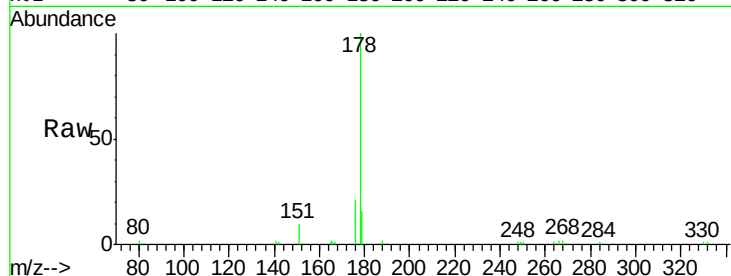
Tot Ion:178 Resp: 4813

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

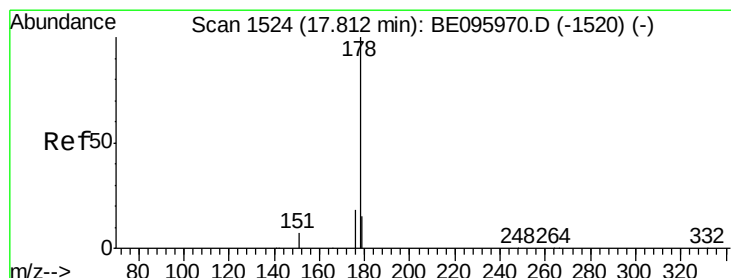
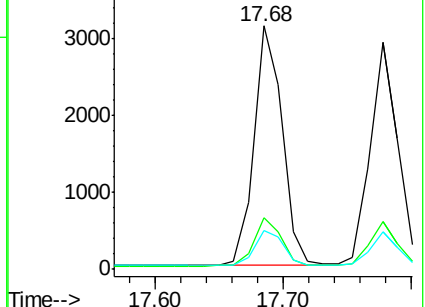
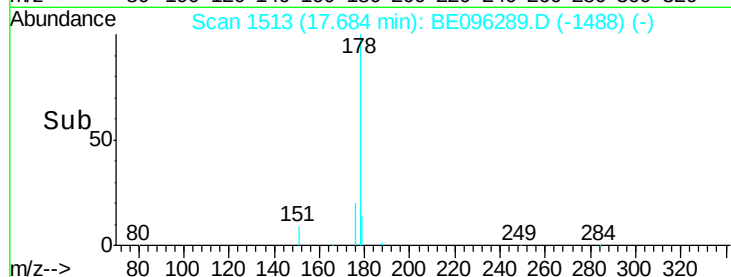
179 14.9 11.8 17.6



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: 0.372 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

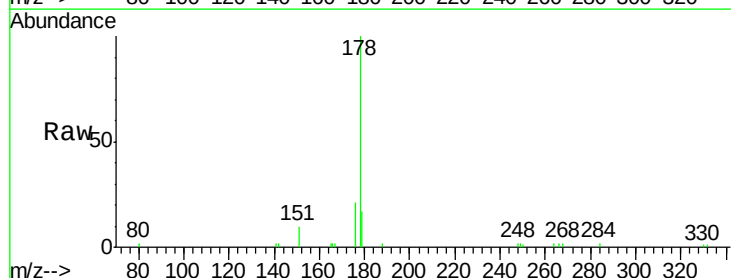
Tgt Ion:178 Resp: 4382

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2#

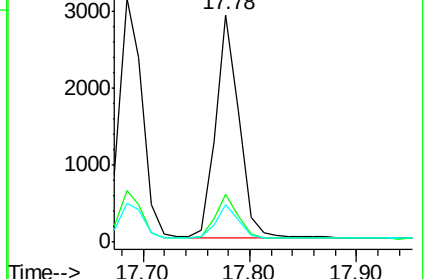
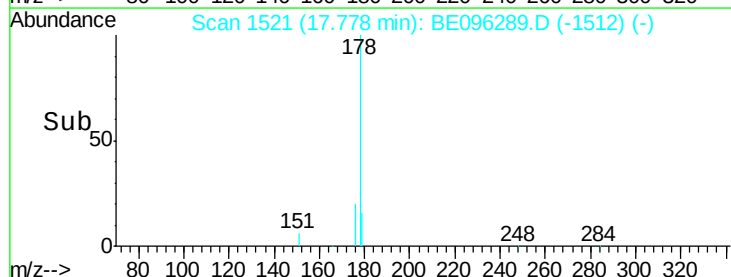
179 15.0 13.0 19.6

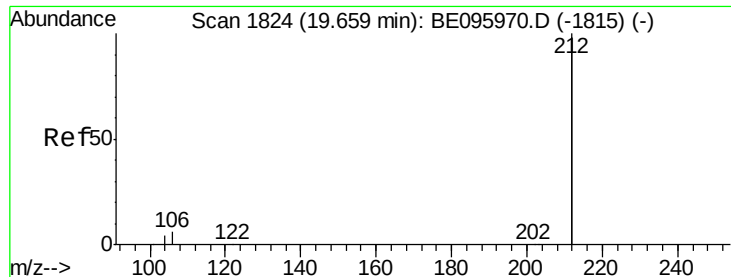


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.353 ng

RT: 19.63 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

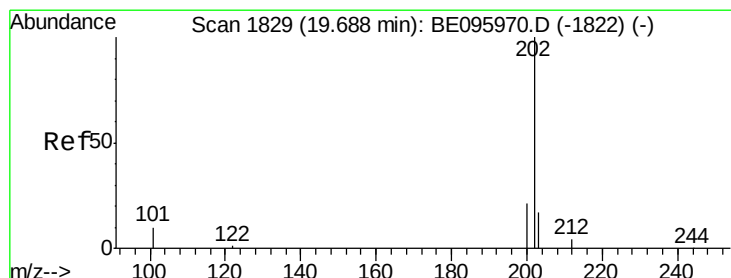
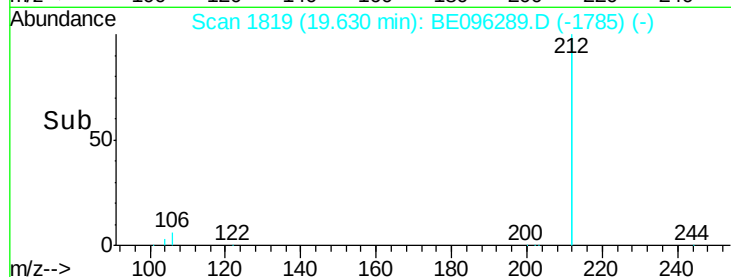
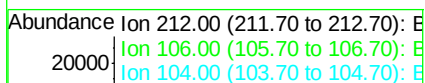
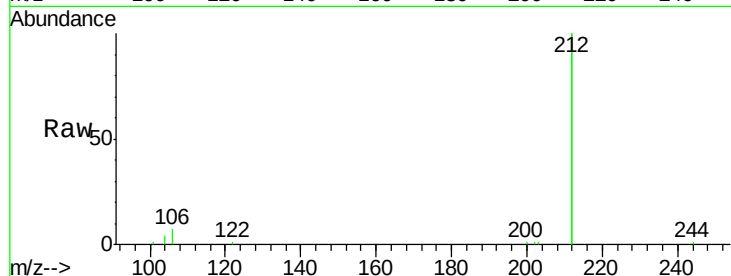
Tot Ion:212 Resp: 20986

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

104 1.7 1.6 2.4



#26

Fluoranthene

Concen: 0.363 ng

RT: 19.66 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

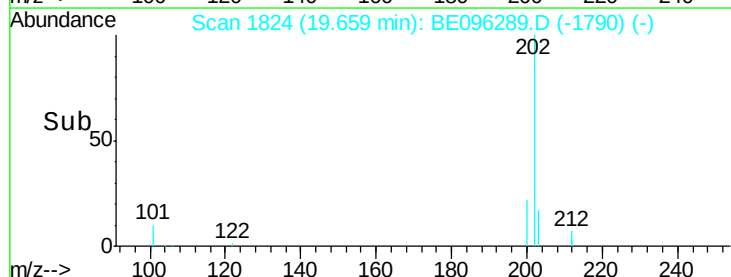
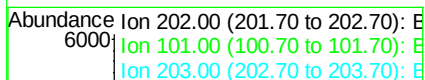
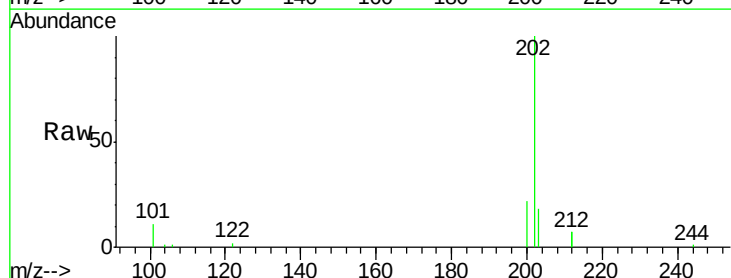
Tgt Ion:202 Resp: 5868

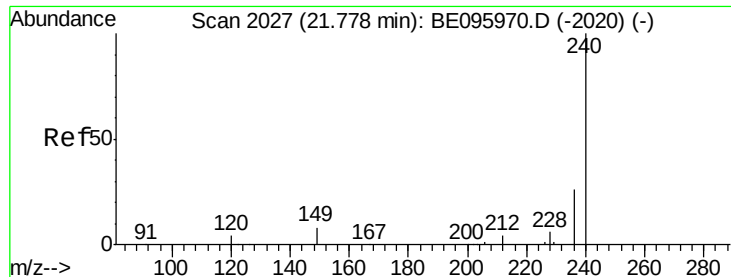
Ion Ratio Lower Upper

202 100

101 10.5 9.8 14.8

203 17.2 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

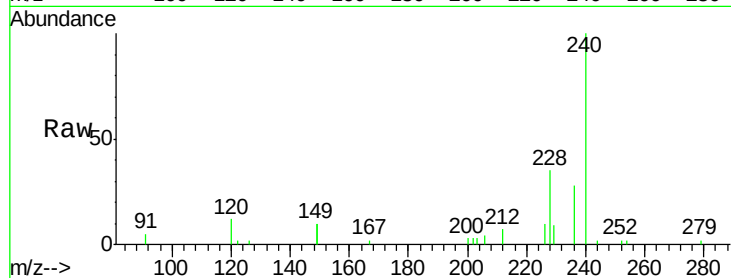
Tot Ion:240 Resp: 4420

Ion Ratio Lower Upper

240 100

120 12.3 5.5 8.3#

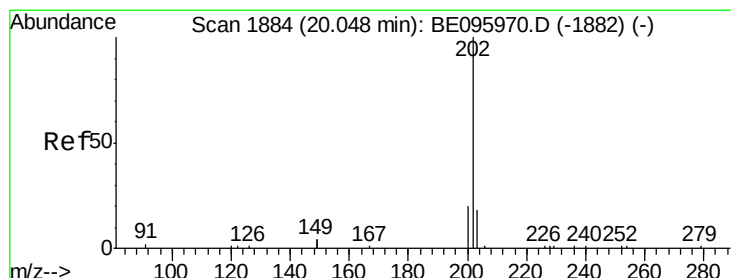
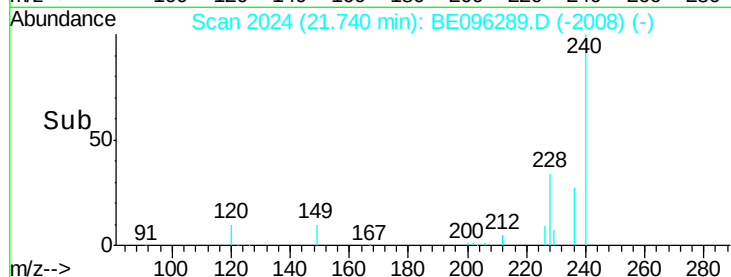
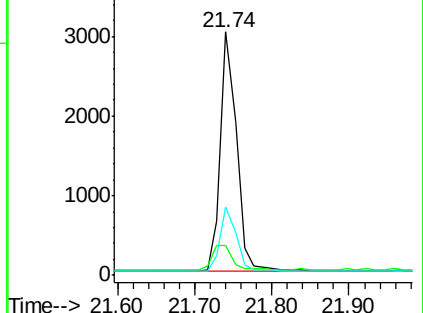
236 27.9 20.7 31.1



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: 0.049 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

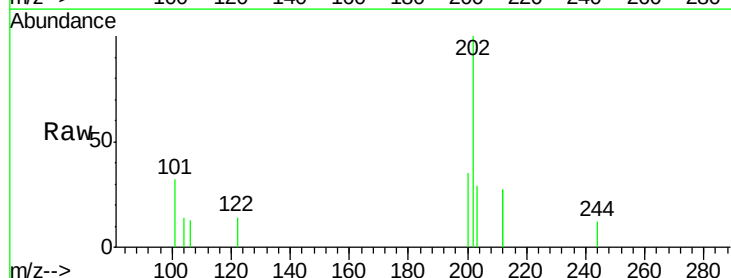
Tgt Ion:202 Resp: 426

Ion Ratio Lower Upper

202 100

200 26.5 16.6 25.0#

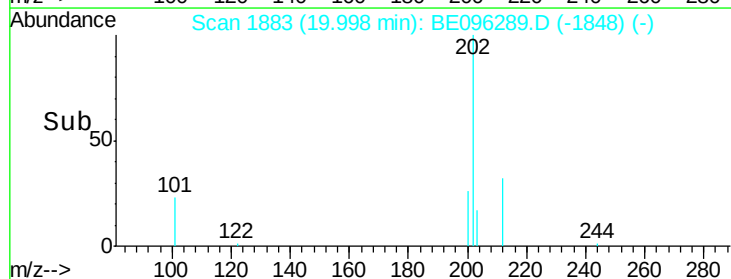
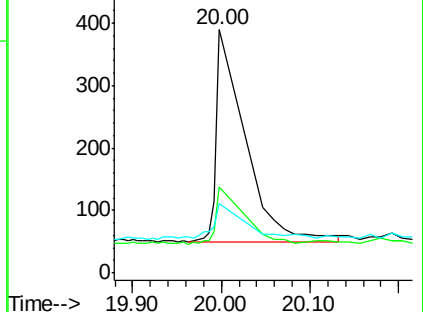
203 23.7 13.8 20.8#

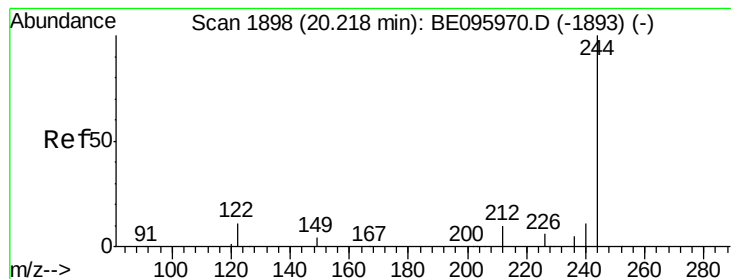


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.365 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

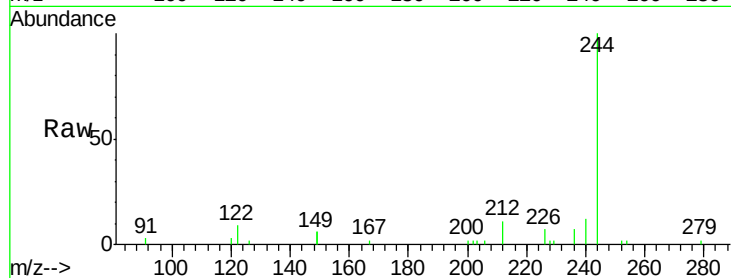
Tot Ion:244 Resp: 3561

Ion Ratio Lower Upper

244 100

212 10.5 25.4 38.0#

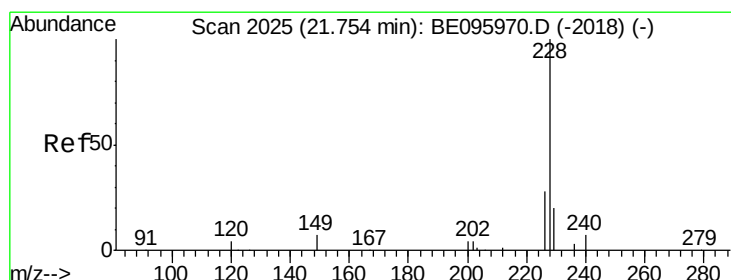
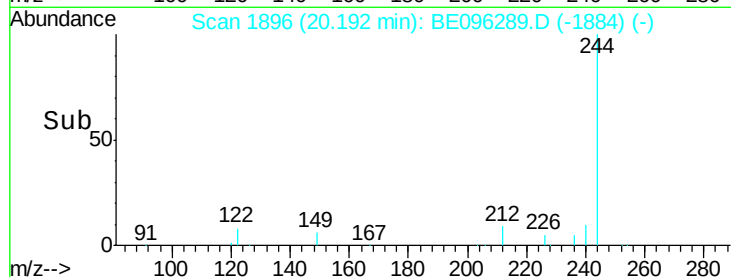
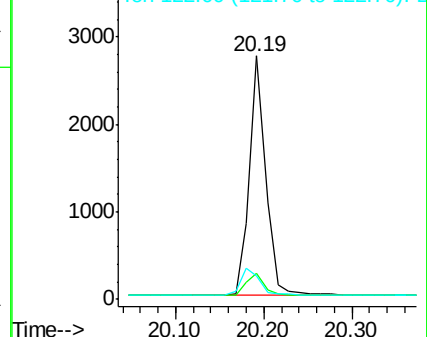
122 9.4 8.1 12.1



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: 0.370 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

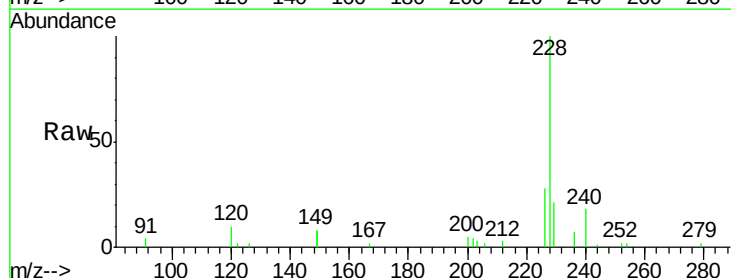
Tgt Ion:228 Resp: 5238

Ion Ratio Lower Upper

228 100

226 27.9 24.0 36.0

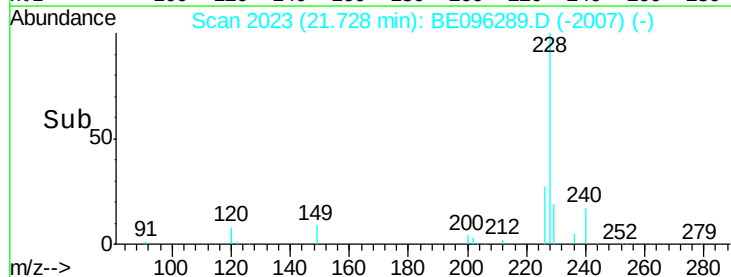
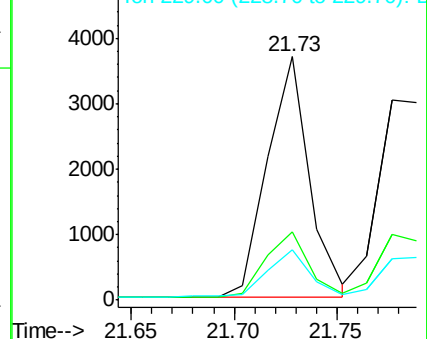
229 20.5 16.0 24.0

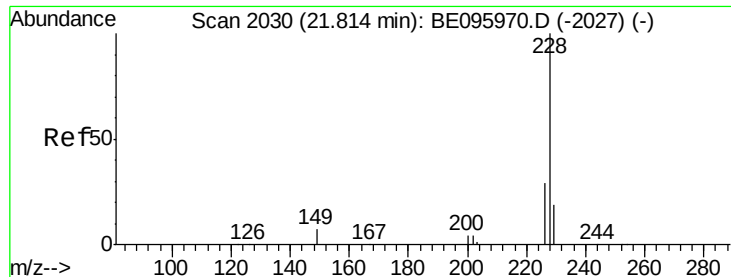


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.392 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampled :

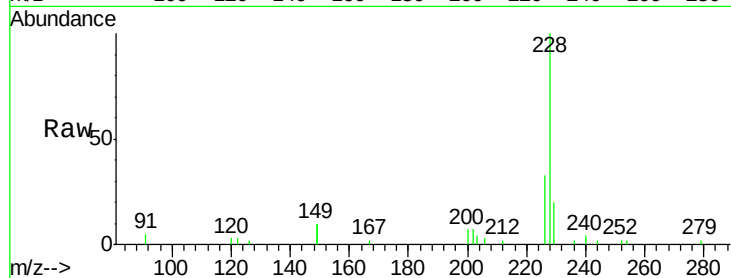
Tot Ion:228 Resp: 5369

Ion Ratio Lower Upper

228 100

226 33.0 24.0 36.0

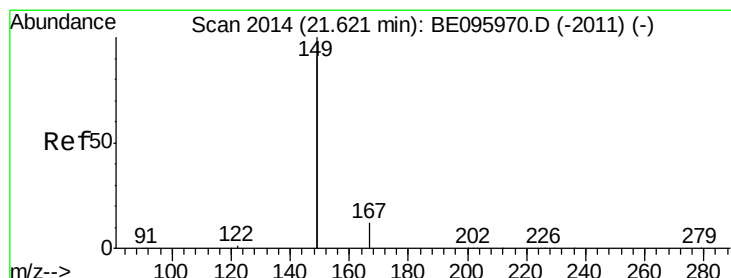
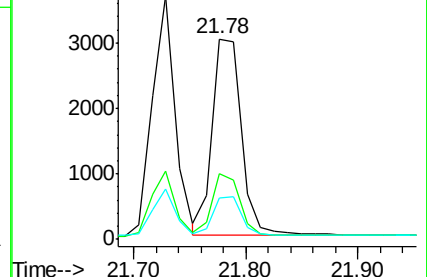
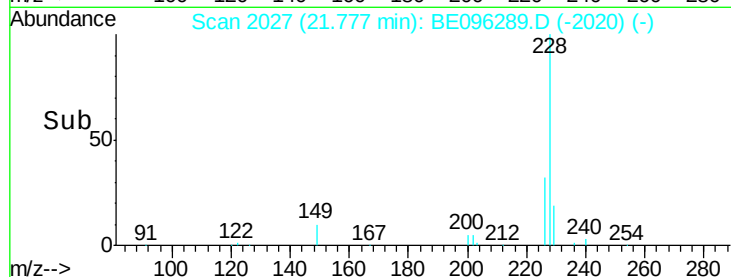
229 20.4 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.390 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

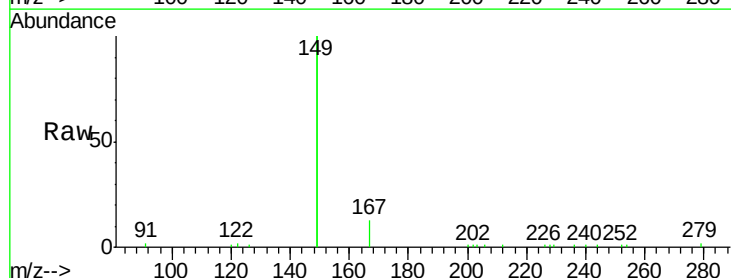
Tgt Ion:149 Resp: 14278

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

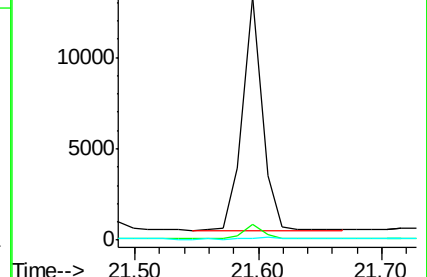
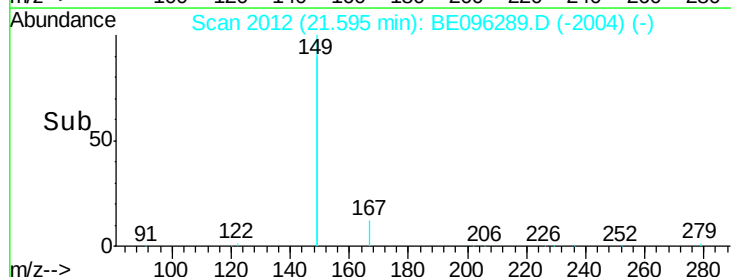
279 0.9 0.7 1.1

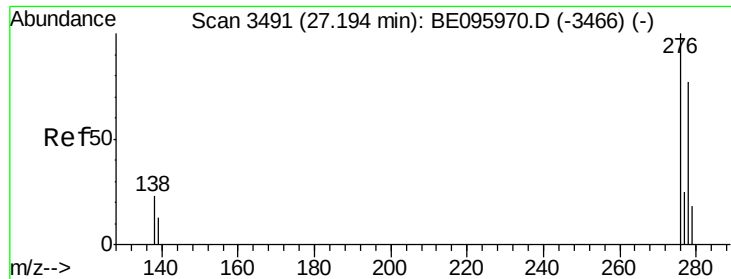


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

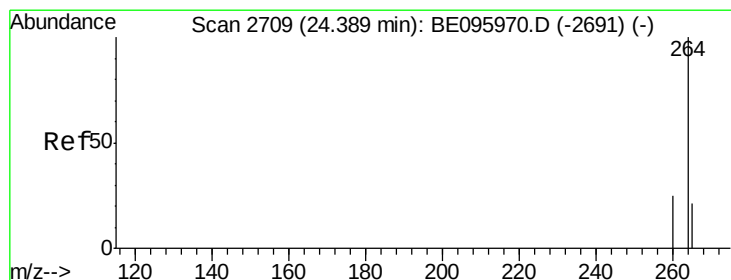
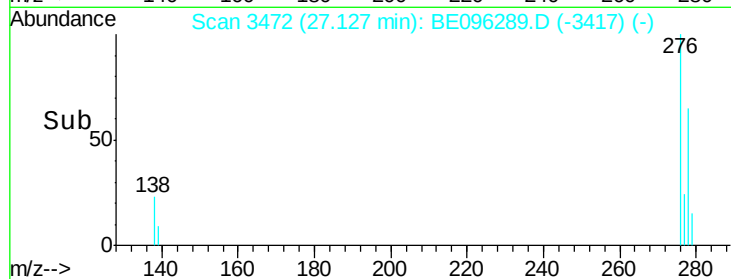
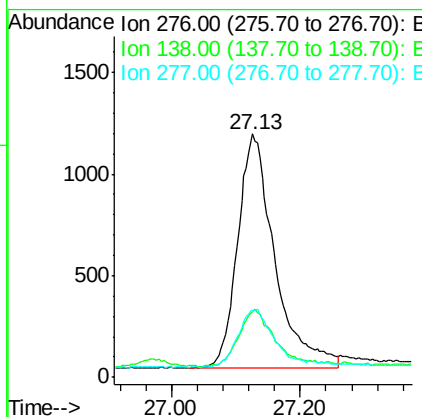
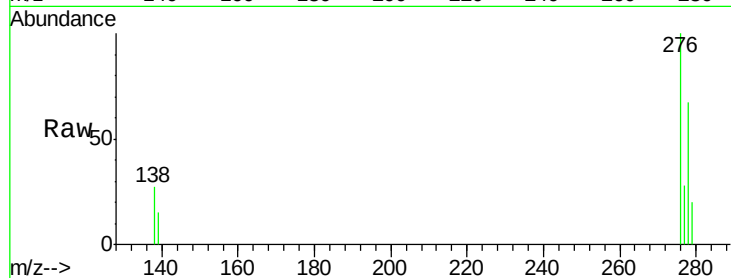




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.349 ng
 RT: 27.13 min Scan# 3472
 Delta R.T. -0.00 min
 Lab File: BE096289.D
 Acq: 2 May 2018 10:26

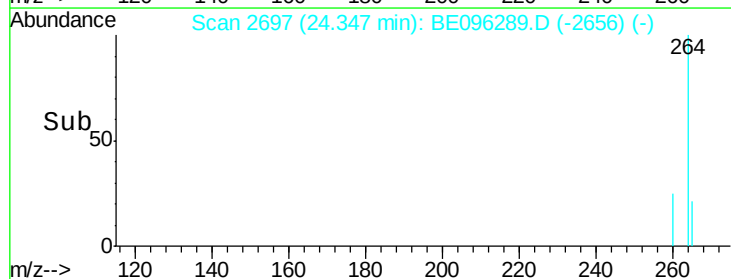
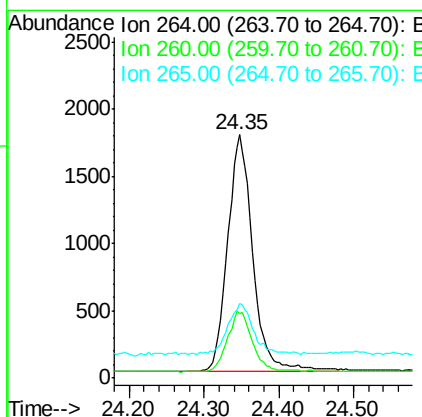
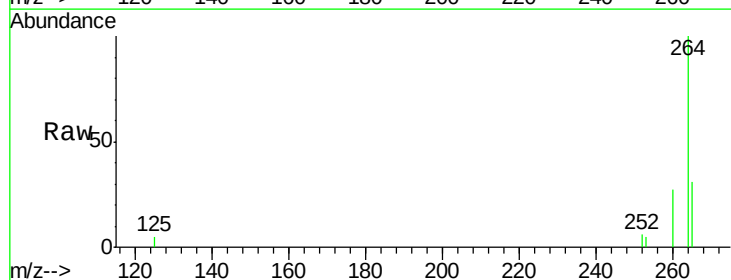
Instrument :
 BNA_E
 ClientSampleId :

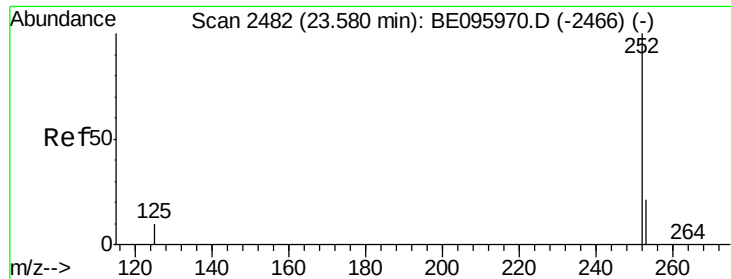
Tot Ion:276 Resp: 4627
 Ion Ratio Lower Upper
 276 100
 138 22.7 22.5 33.7
 277 23.9 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.35 min Scan# 2697
 Delta R.T. -0.00 min
 Lab File: BE096289.D
 Acq: 2 May 2018 10:26

Tgt Ion:264 Resp: 4100
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.5 30.7
 265 30.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.392 ng

RT: 23.54 min Scan# 2470

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

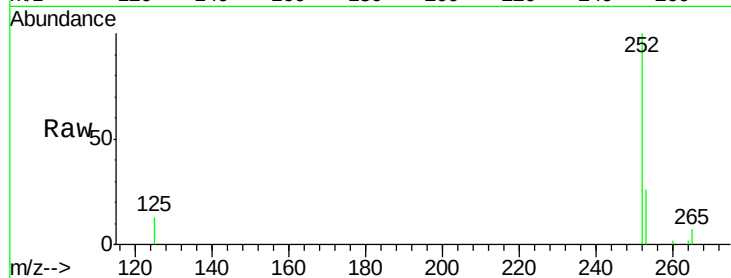
Tot Ion:252 Resp: 4816

Ion Ratio Lower Upper

252 100

253 25.7 20.0 30.0

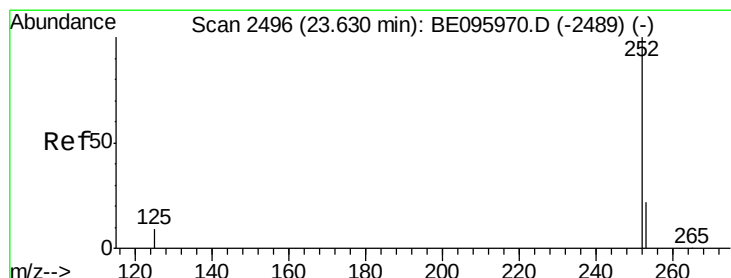
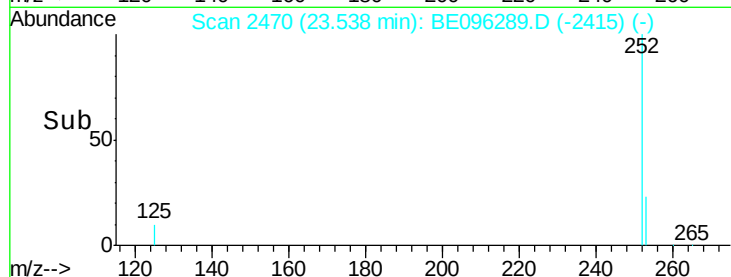
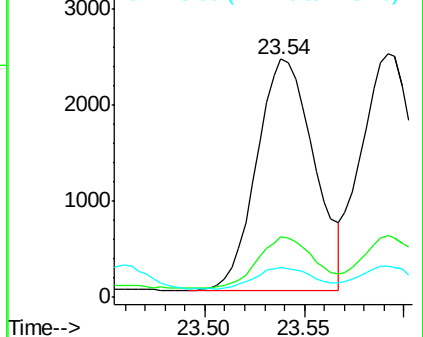
125 12.8 16.0 24.0#



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: 0.401 ng

RT: 23.59 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

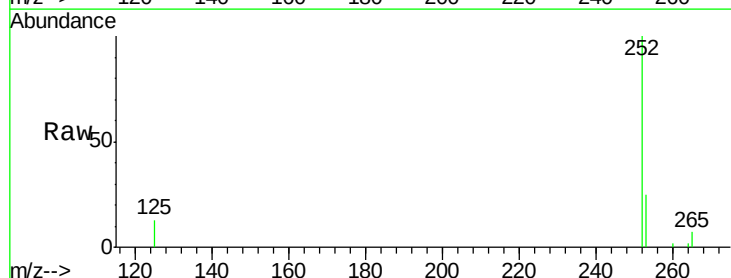
Tgt Ion:252 Resp: 5078

Ion Ratio Lower Upper

252 100

253 25.2 16.0 24.0#

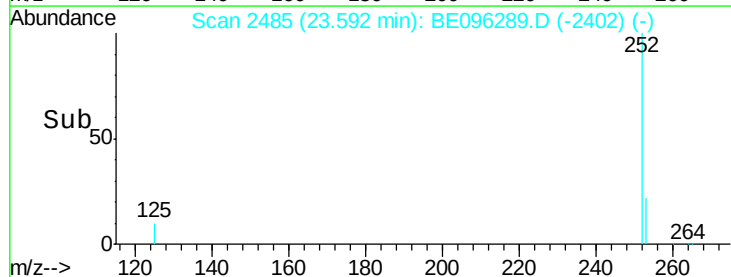
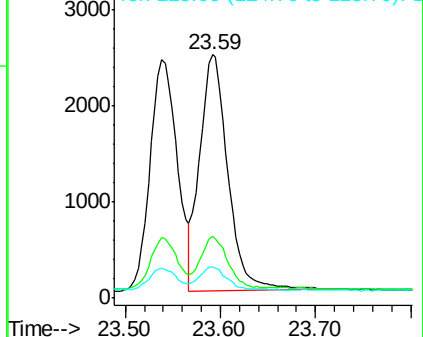
125 12.7 8.0 12.0#

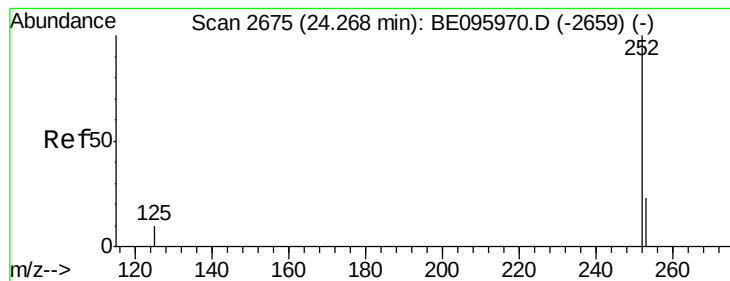


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.390 ng

RT: 24.23 min Scan# 2665

Delta R.T. -0.00 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :

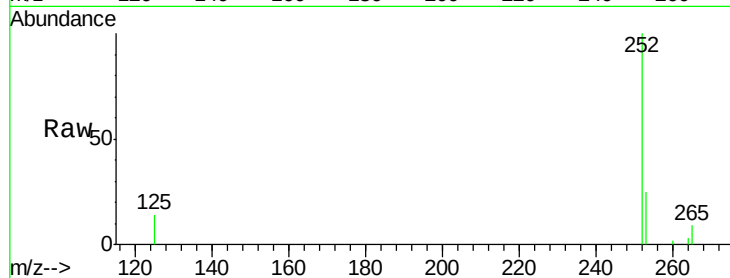
Tot Ion:252 Resp: 4605

Ion Ratio Lower Upper

252 100

253 25.3 16.0 24.0#

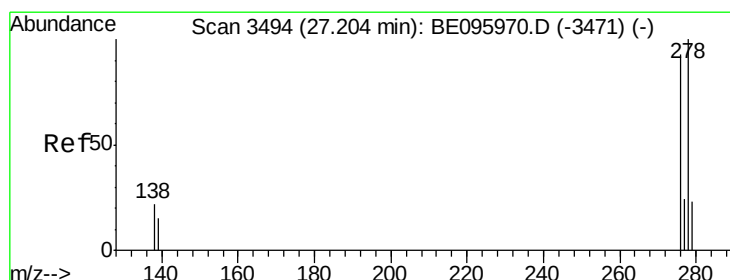
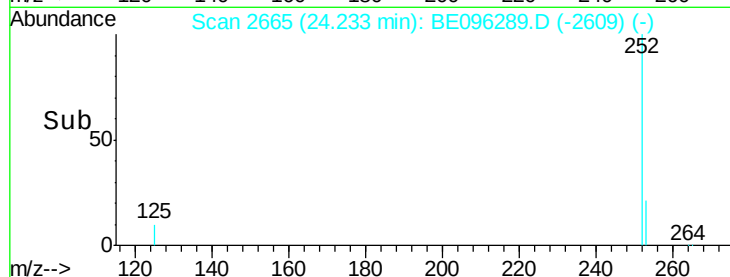
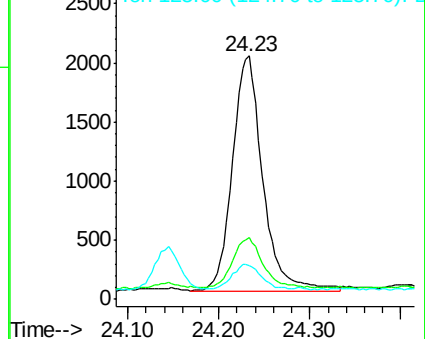
125 13.7 12.0 18.0



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: 0.352 ng

RT: 27.13 min Scan# 3474

Delta R.T. -0.01 min

Lab File: BE096289.D

Acq: 2 May 2018 10:26

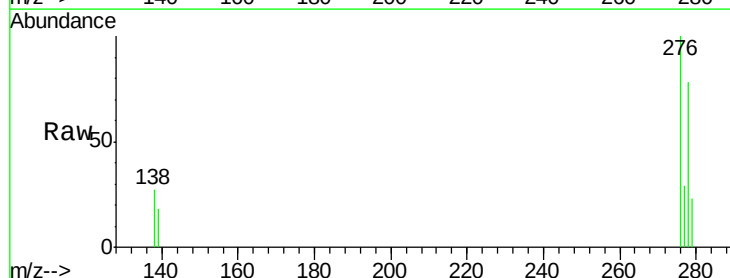
Tgt Ion:278 Resp: 3670

Ion Ratio Lower Upper

278 100

139 22.6 16.0 24.0

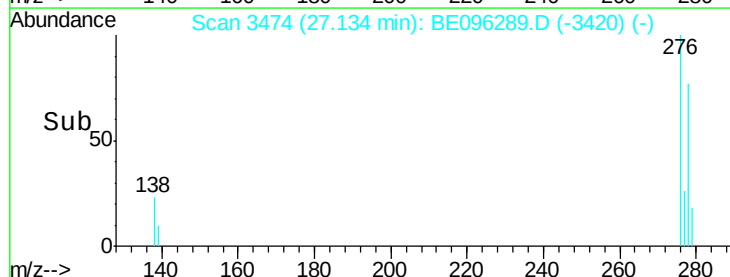
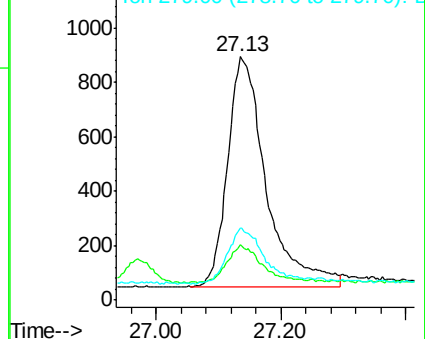
279 29.4 20.0 30.0

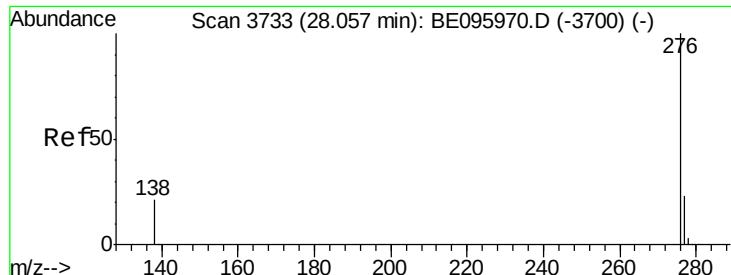


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.368 ng

RT: 27.99 min Scan# 3715

Delta R.T. 0.00 min

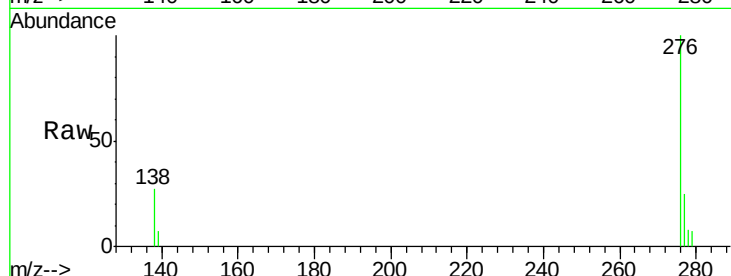
Lab File: BE096289.D

Acq: 2 May 2018 10:26

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 4062

Ion Ratio Lower Upper

276 100

277 25.4 16.0 24.0#

138 27.1 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

