

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
 Data File : BE096304.D
 Acq On : 2 May 2018 21:20
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 03 01:54:01 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	1057	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	4040	0.40	ng	0.00
13) Acenaphthene-d10	14.93	164	2285	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	5314	0.40	ng	0.00
27) Chrysene-d12	21.74	240	5333	0.40	ng	0.00
34) Perylene-d12	24.35	264	4952	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	1208	0.37	ng	0.00
5) Phenol-d6	7.52	99	1718	0.38	ng	0.00
8) Nitrobenzene-d5	9.54	82	1829	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	2374	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	343	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	3684	0.38	ng	0.00
25) Fluoranthene-d10	19.63	212	25753	0.36	ng	0.00
29) Terphenyl-d14	20.19	244	4439	0.38	ng	0.00

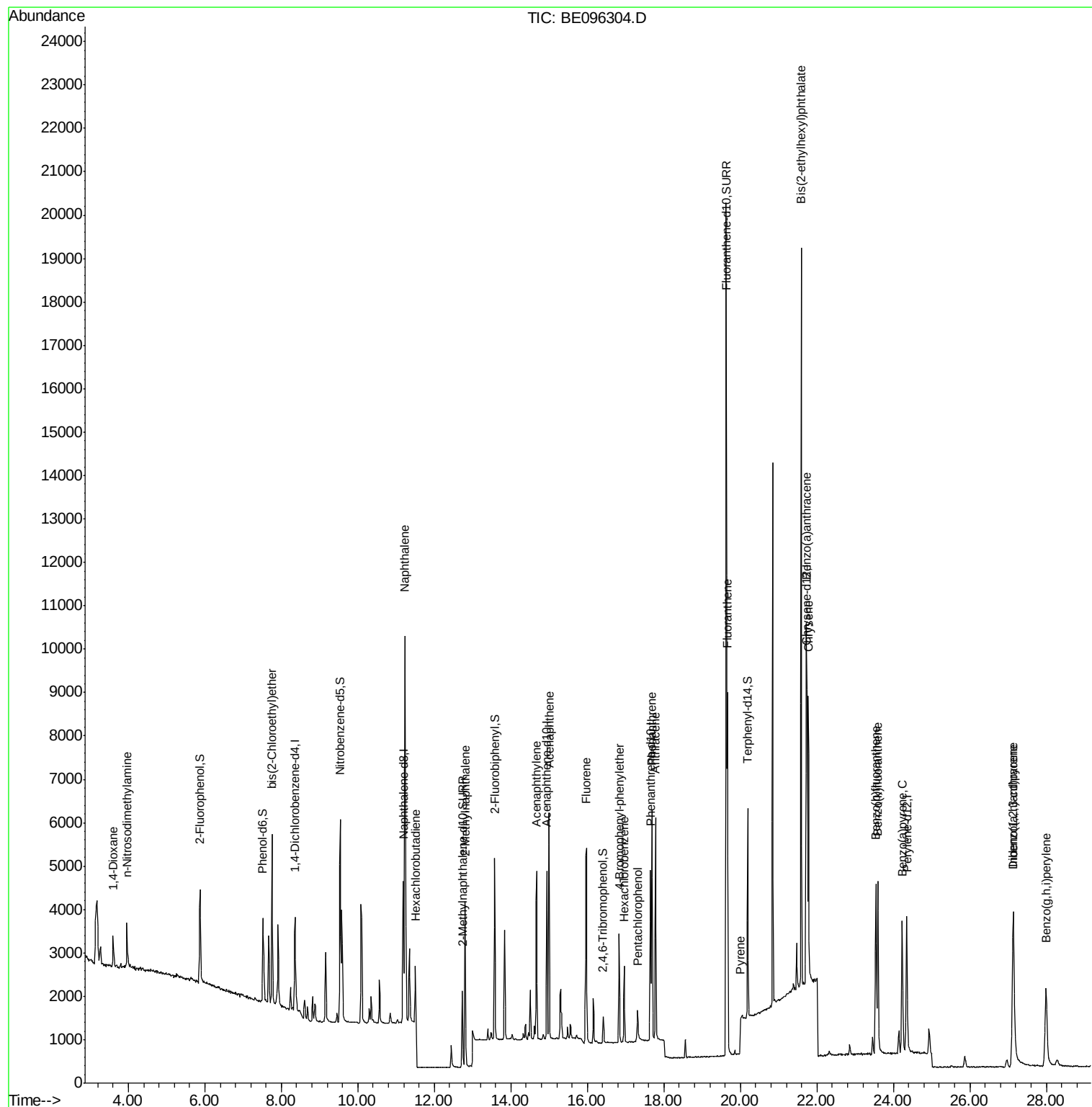
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.61	88	564	0.345	ng	95
3) n-Nitrosodimethylamine	3.96	42	826	0.413	ng	# 74
6) bis(2-Chloroethyl)ether	7.76	93	1460	0.368	ng	91
9) Naphthalene	11.23	128	16110	0.378	ng	99
10) Hexachlorobutadiene	11.50	225	765	0.405	ng	97
12) 2-Methylnaphthalene	12.80	142	2658	0.377	ng	93
16) Acenaphthylene	14.67	152	4611	0.378	ng	99
17) Acenaphthene	15.00	154	2678	0.365	ng	92
18) Fluorene	15.97	166	3464	0.382	ng	# 79
20) 4-Bromophenyl-phenylether	16.83	248	1194	0.378	ng	# 76
21) Hexachlorobenzene	16.96	284	1240	0.394	ng	# 80
22) Pentachlorophenol	17.31	266	468	0.458	ng	# 80
23) Phenanthrene	17.68	178	5715	0.383	ng	99
24) Anthracene	17.78	178	5289	0.371	ng	# 95
26) Fluoranthene	19.66	202	7146	0.364	ng	97
28) Pyrene	20.00	202	523	0.050	ng	# 78
30) Benzo(a)anthracene	21.73	228	6380	0.373	ng	97
31) Chrysene	21.78	228	6366	0.385	ng	97
32) Bis(2-ethylhexyl)phthalate	21.60	149	18349	0.416	ng	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	5671	0.354	ng	# 93
35) Benzo(b)fluoranthene	23.54	252	5832	0.393	ng	# 93
36) Benzo(k)fluoranthene	23.59	252	6024	0.394	ng	# 92
37) Benzo(a)pyrene	24.23	252	5494	0.385	ng	# 93
38) Dibenzo(a,h)anthracene	27.14	278	4525	0.359	ng	95
39) Benzo(g,h,i)perylene	27.99	276	5016	0.377	ng	# 94

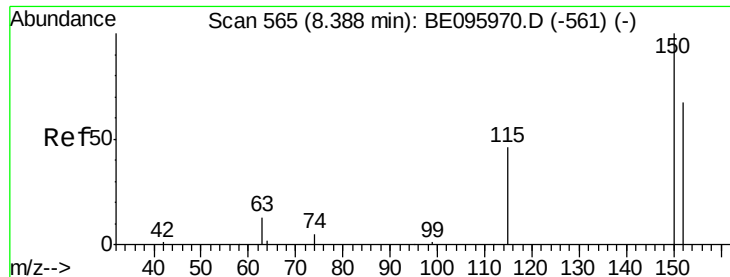
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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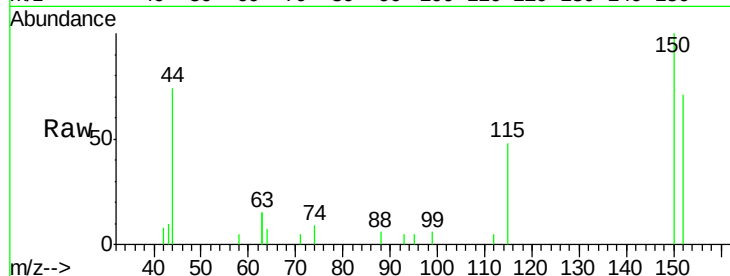


#1

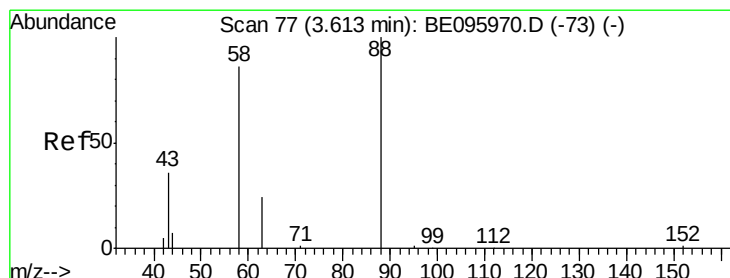
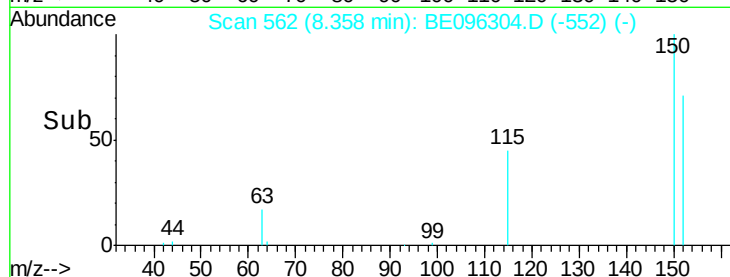
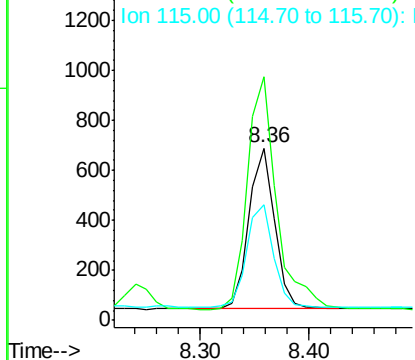
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. -0.00 min
Lab File: BE096304.D
Acq: 2 May 2018 21:20

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1057
Ion Ratio Lower Upper
152 100
150 141.4 117.2 175.8
115 67.2 57.0 85.6



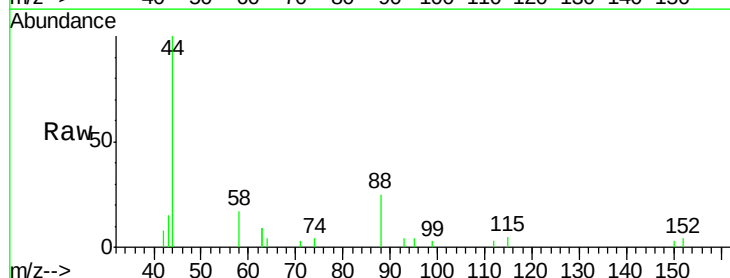
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



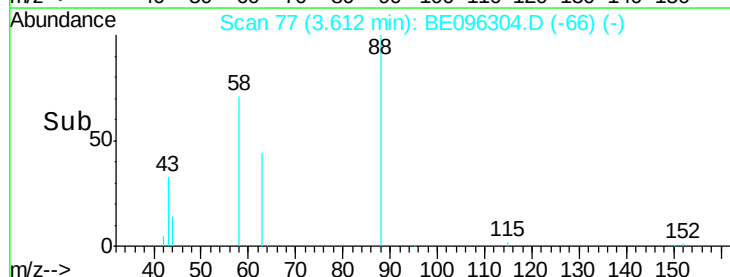
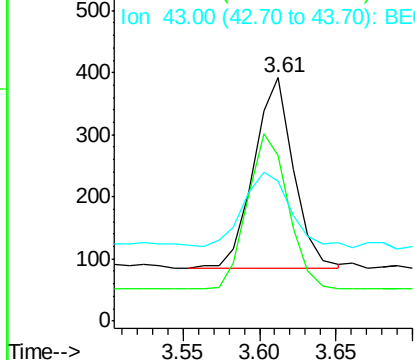
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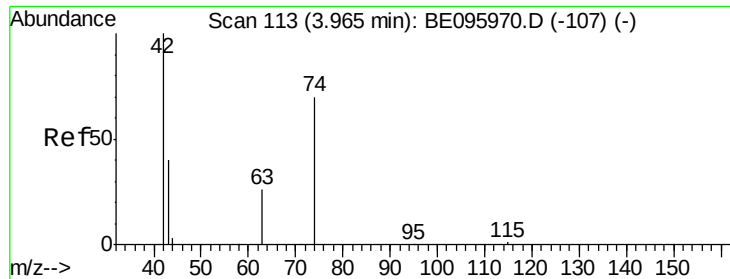
1,4-Dioxane
Concen: 0.345 ng
RT: 3.61 min Scan# 77
Delta R.T. 0.01 min
Lab File: BE096304.D
Acq: 2 May 2018 21:20

Tgt Ion: 88 Resp: 564
Ion Ratio Lower Upper
88 100
58 82.3 63.2 94.8
43 46.5 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



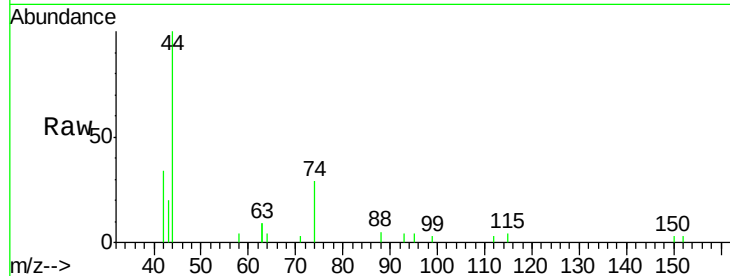


#3

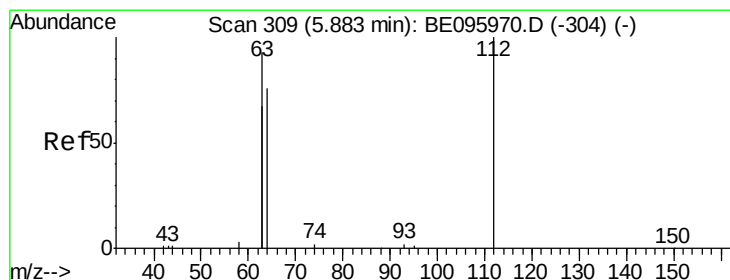
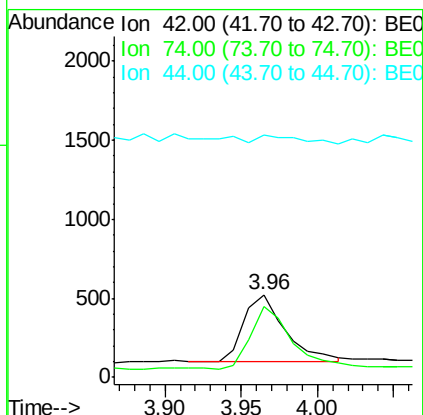
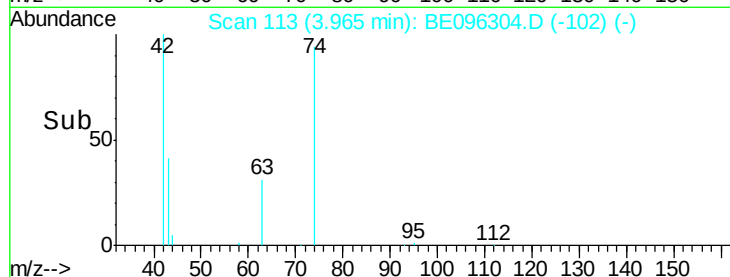
n-Nitrosodimethylamine
 Concen: 0.413 ng
 RT: 3.96 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BE096304.D
 Acq: 2 May 2018 21:20

Instrument :
 BNA_E
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
74	87.5	96.0	144.0#
44	13.3	12.0	18.0



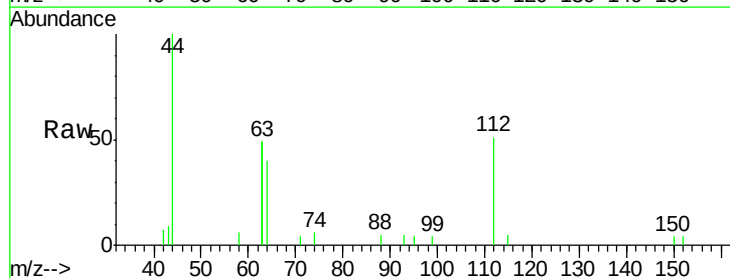
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



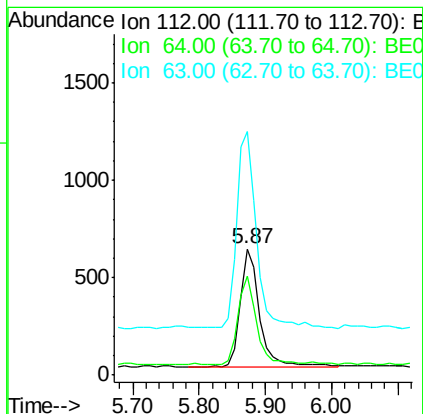
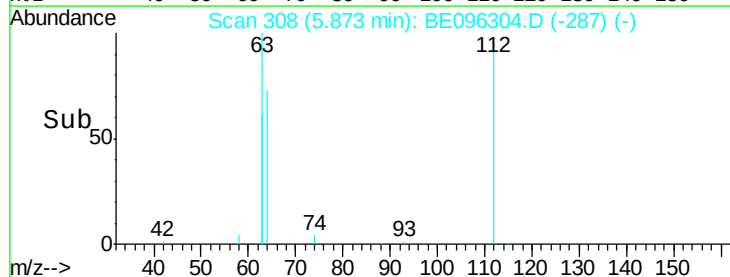
#4

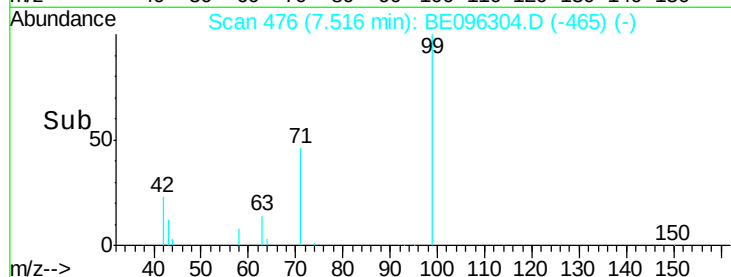
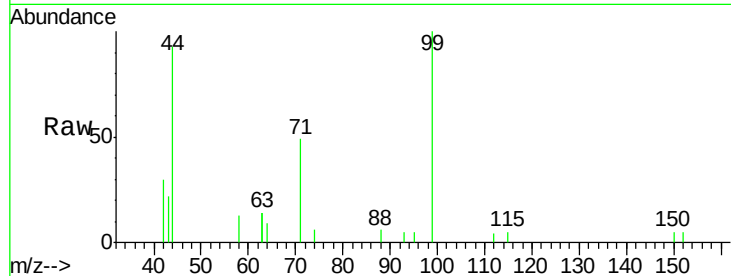
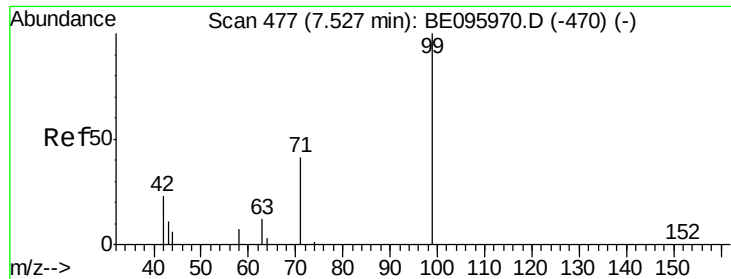
2-Fluorophenol
 Concen: 0.370 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096304.D
 Acq: 2 May 2018 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.1	60.1	90.1
63	174.3	116.8	175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.381 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

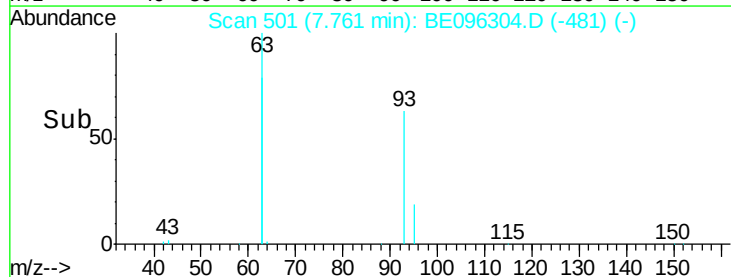
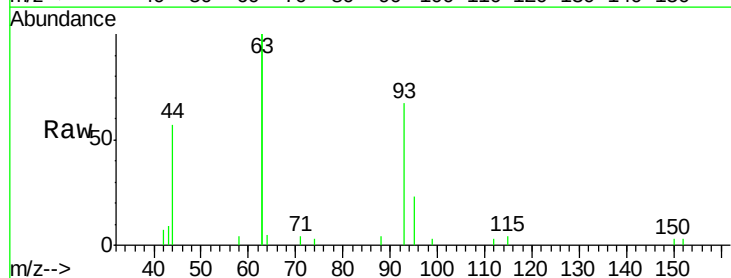
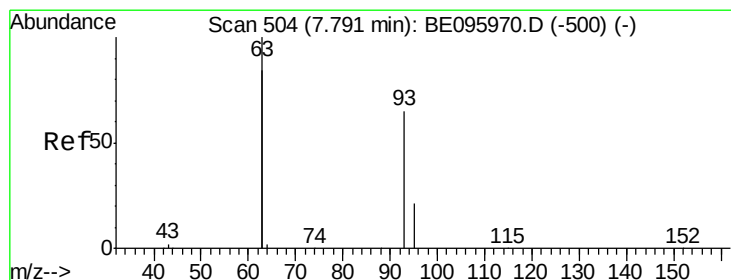
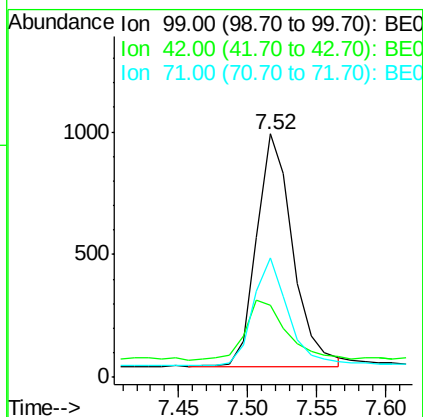
Tot Ion: 99 Resp: 1718

Ion Ratio Lower Upper

99 100

42 29.6 20.2 30.2

71 44.6 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.368 ng

RT: 7.76 min Scan# 501

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

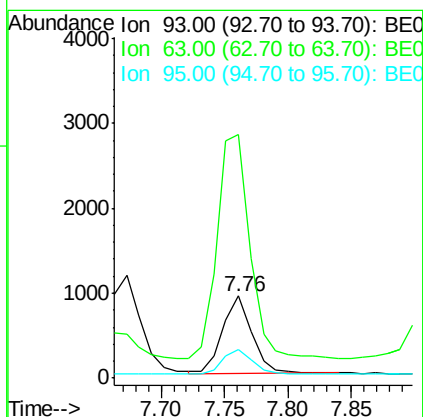
Tgt Ion: 93 Resp: 1460

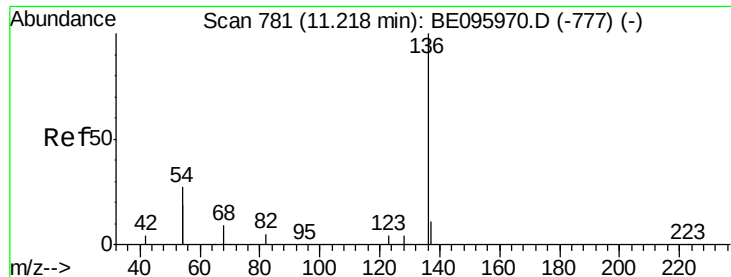
Ion Ratio Lower Upper

93 100

63 322.1 275.3 412.9

95 32.0 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096304.D

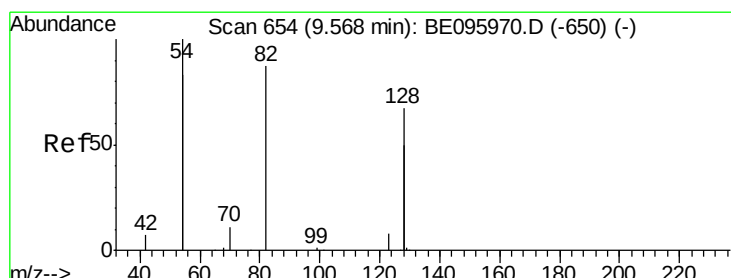
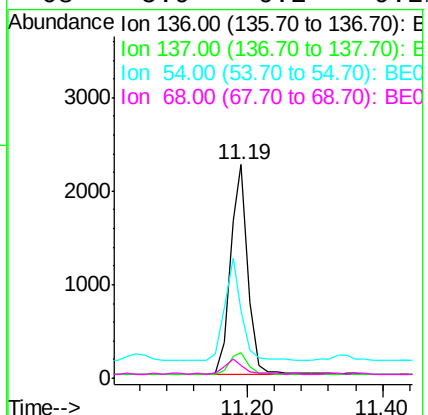
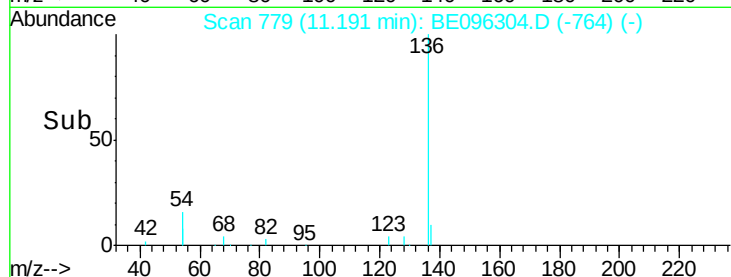
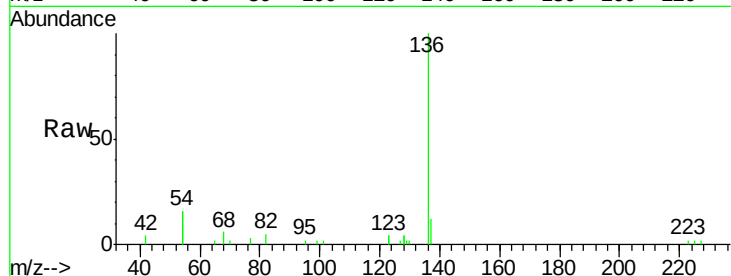
Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	136	Resp:	4040
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	31.6	29.1	43.7
68	5.9	6.2	9.2#



#8

Nitrobenzene-d5

Concen: 0.386 ng

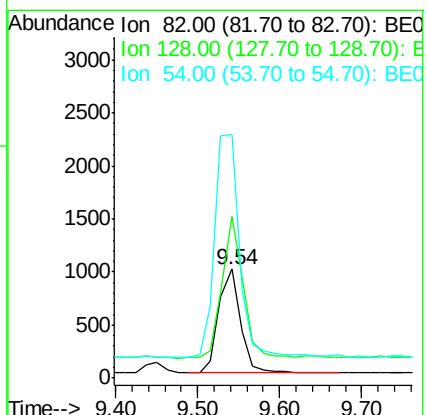
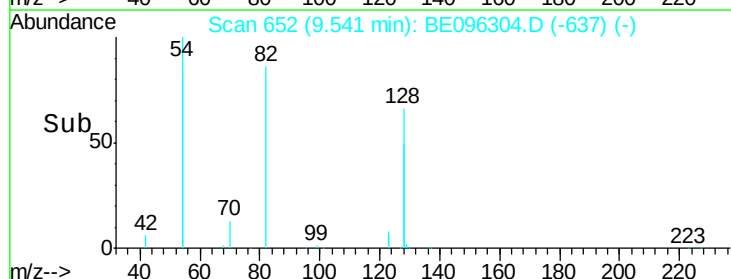
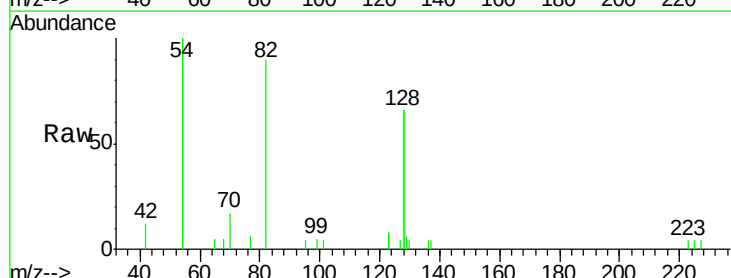
RT: 9.54 min Scan# 652

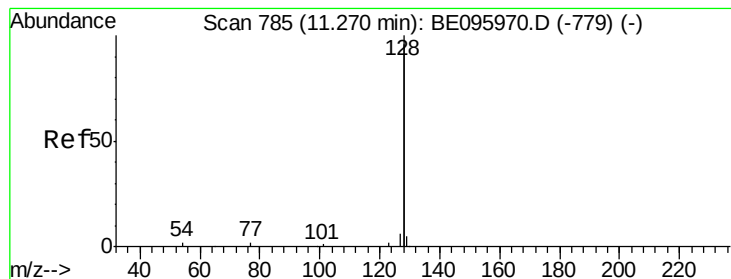
Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Tgt Ion:	82	Resp:	1829
Ion	Ratio	Lower	Upper
82	100		
128	147.9	150.0	225.0#
54	223.1	154.2	231.4





#9

Naphthalene

Concen: 0.378 ng

RT: 11.23 min Scan# 782

Delta R.T. -0.01 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

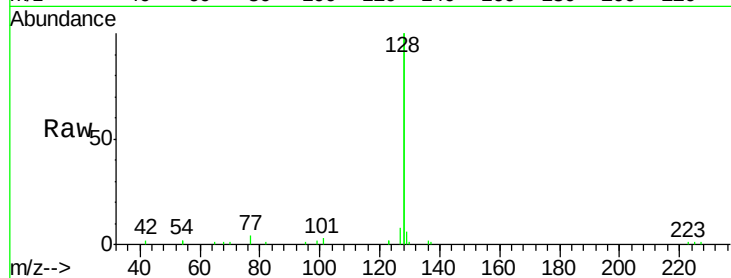
Tot Ion:128 Resp: 16110

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

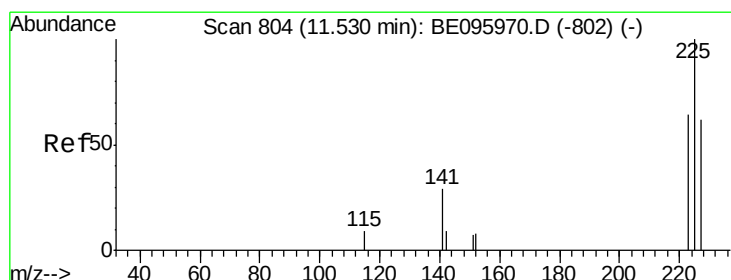
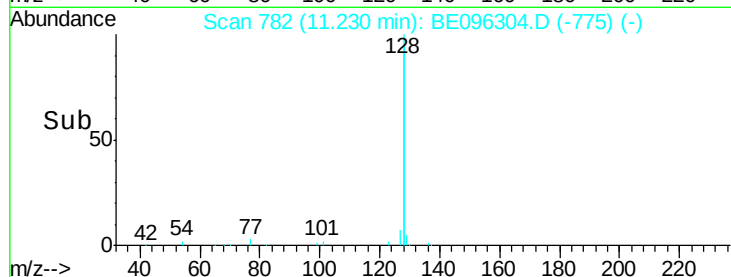
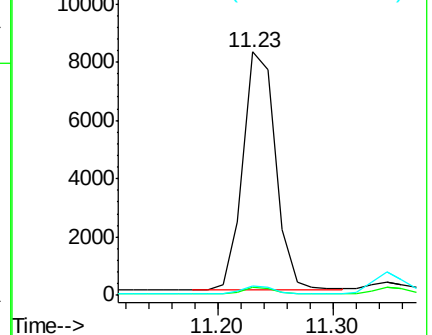
127 3.9 2.8 4.2



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: 0.405 ng

RT: 11.50 min Scan# 803

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

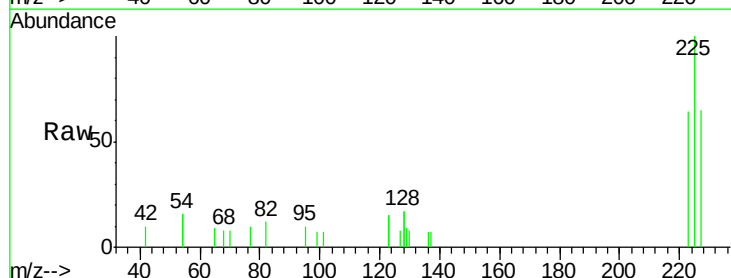
Tgt Ion:225 Resp: 765

Ion Ratio Lower Upper

225 100

223 64.7 53.0 79.6

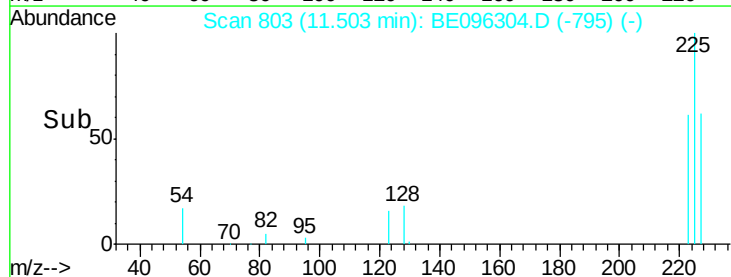
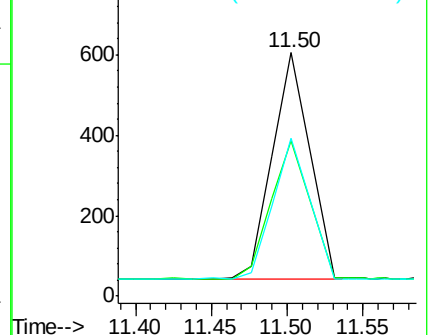
227 60.4 51.4 77.2

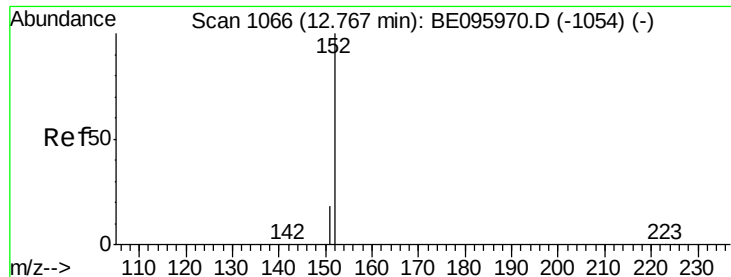


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

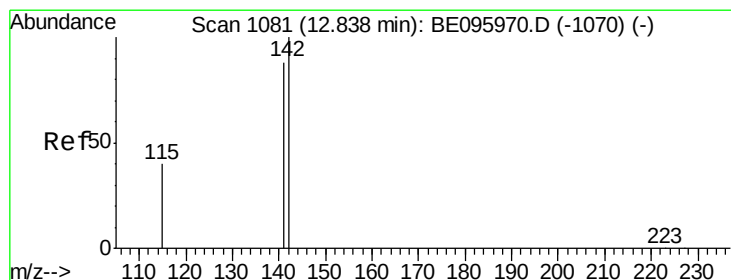
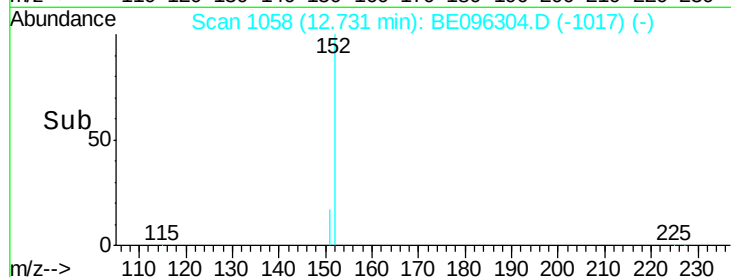
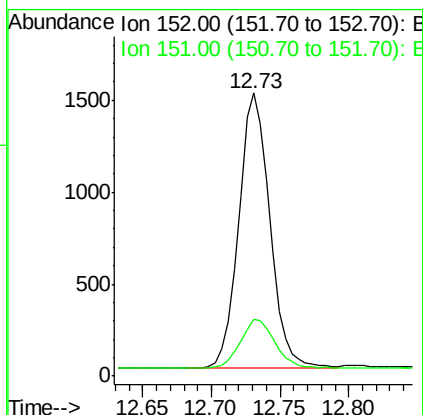
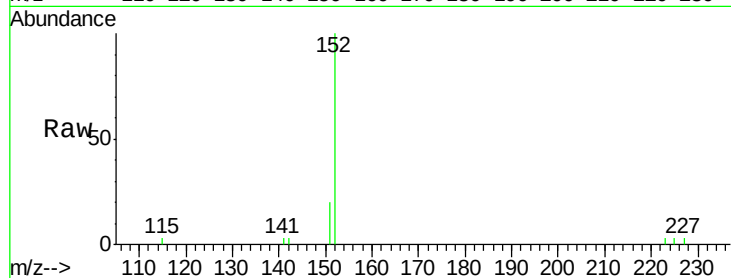




#11
 2-Methylnaphthalene-d10
 Concen: 0.371 ng
 RT: 12.73 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: BE096304.D
 Acq: 2 May 2018 21:20

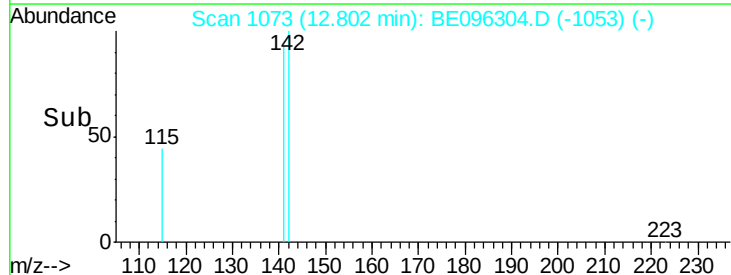
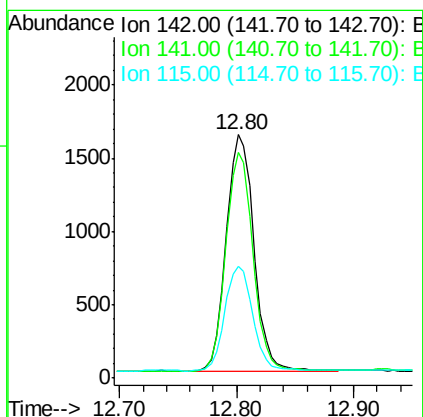
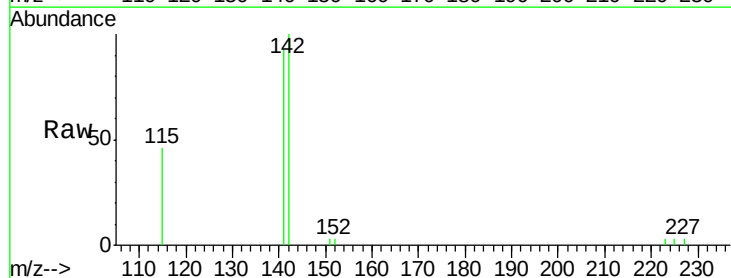
Instrument :
 BNA_E
 ClientSampleId :

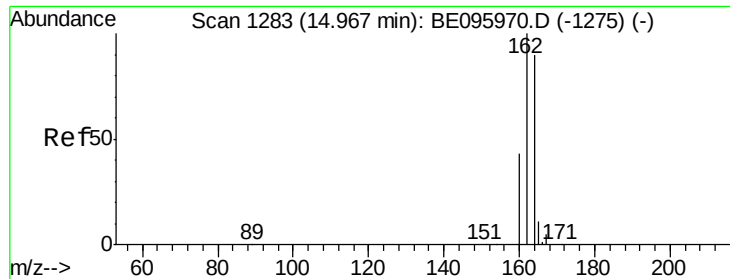
Tot Ion:152 Resp: 2374
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.377 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE096304.D
 Acq: 2 May 2018 21:20

Tgt Ion:142 Resp: 2658
 Ion Ratio Lower Upper
 142 100
 141 92.7 70.4 105.6
 115 45.7 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: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

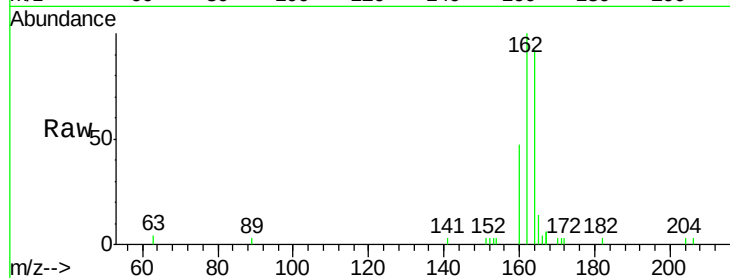
Tot Ion:164 Resp: 2285

Ion Ratio Lower Upper

164 100

162 108.2 83.1 124.7

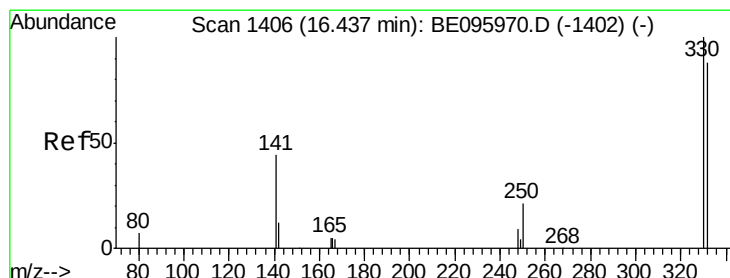
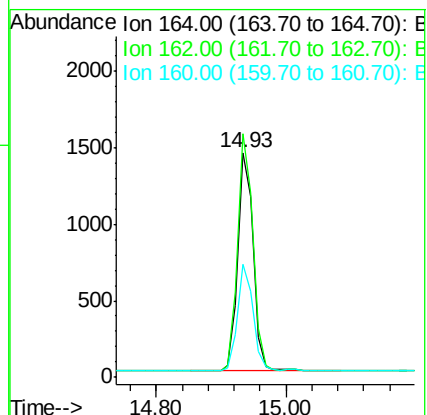
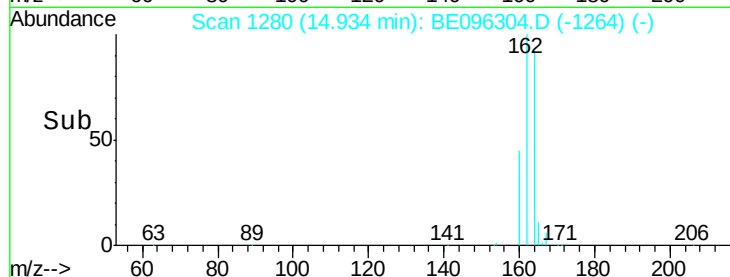
160 50.4 37.1 55.7



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: 0.311 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

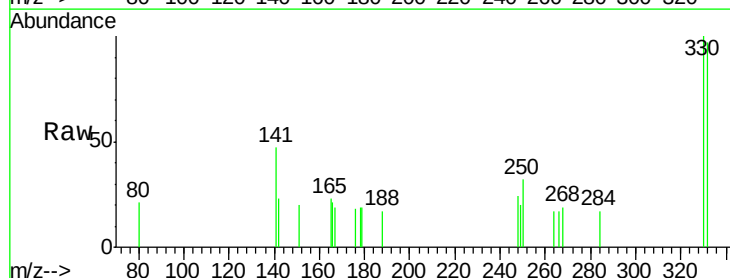
Tgt Ion:330 Resp: 343

Ion Ratio Lower Upper

330 100

332 94.2 152.7 229.1#

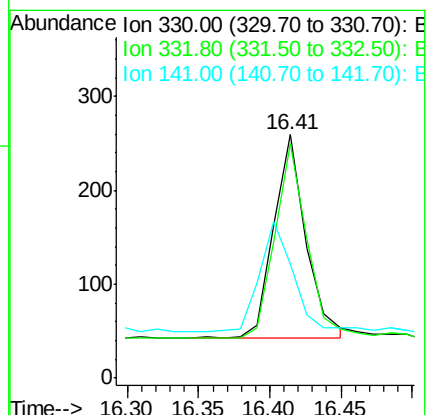
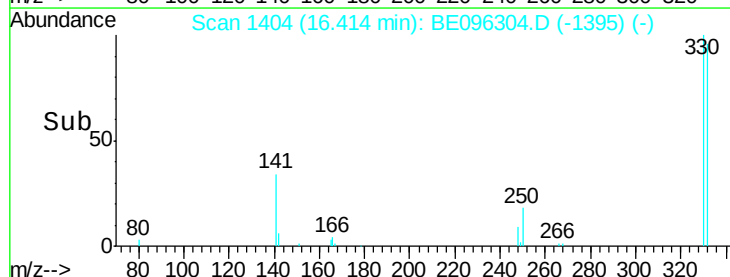
141 55.4 33.7 50.5#

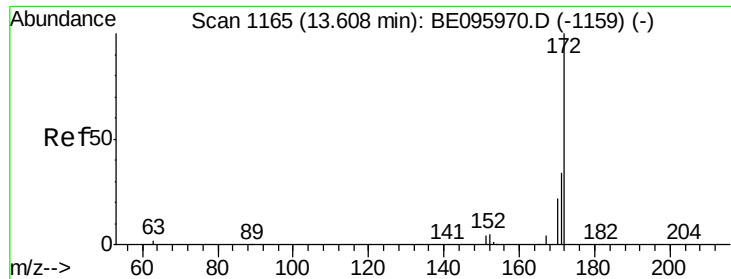


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

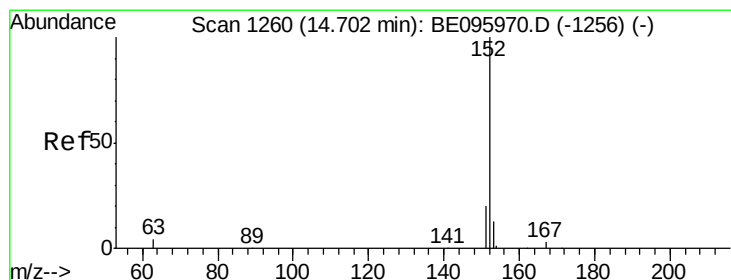
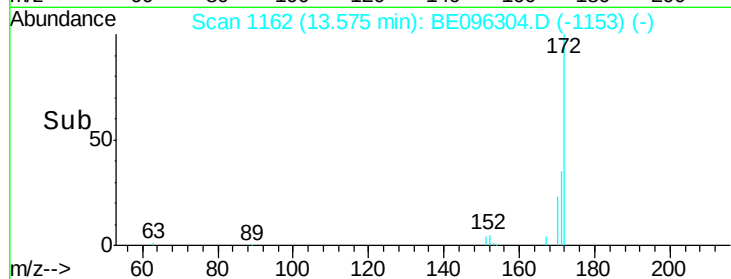
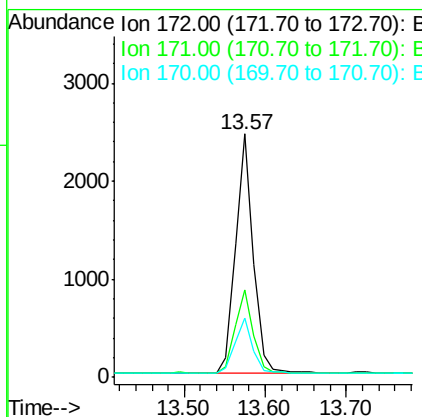
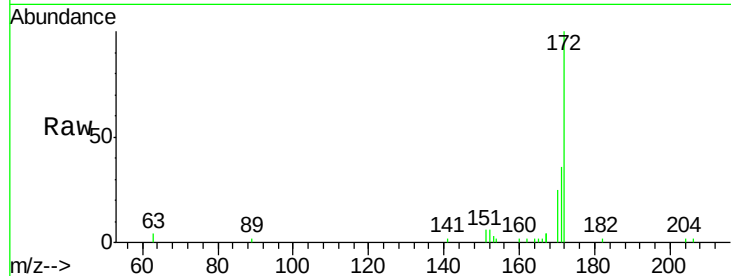




#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096304.D
Acq: 2 May 2018 21:20

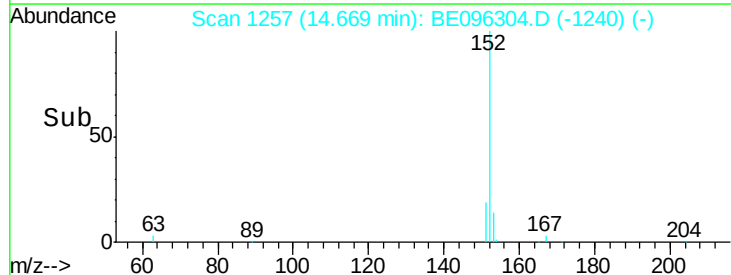
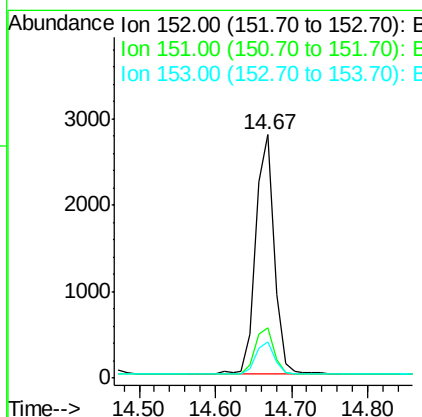
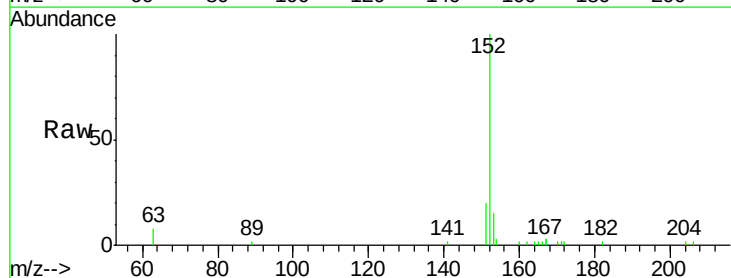
Instrument :
BNA_E
ClientSampleId :

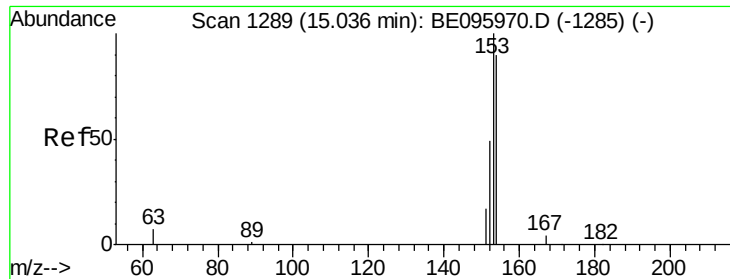
Tot Ion:172 Resp: 3684
Ion Ratio Lower Upper
172 100
171 36.2 29.9 44.9
170 24.6 21.8 32.8



#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096304.D
Acq: 2 May 2018 21:20

Tgt Ion:152 Resp: 4611
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.365 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampled :

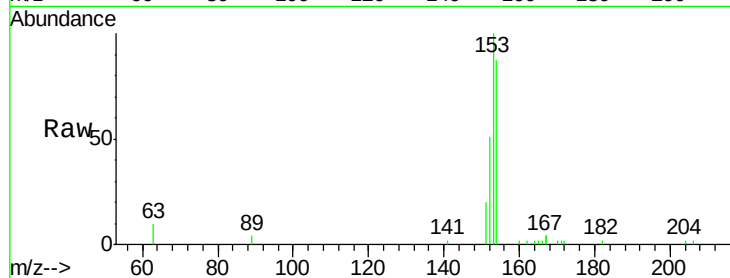
Tot Ion:154 Resp: 2678

Ion Ratio Lower Upper

154 100

153 118.4 89.2 133.8

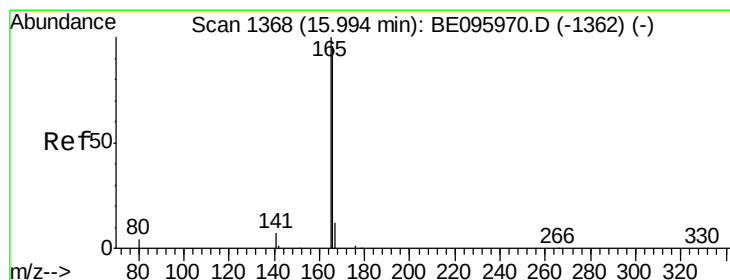
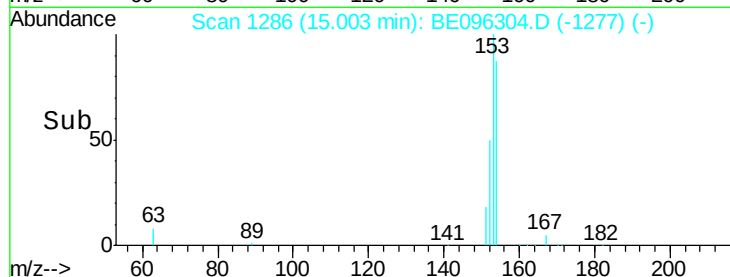
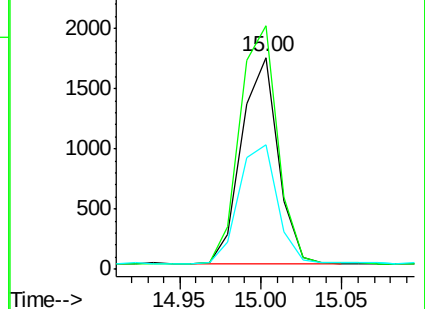
152 60.8 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.382 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

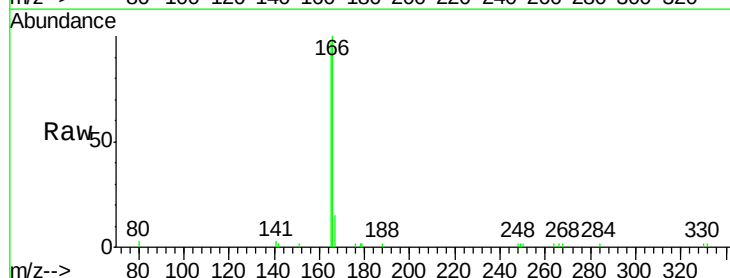
Tgt Ion:166 Resp: 3464

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.6

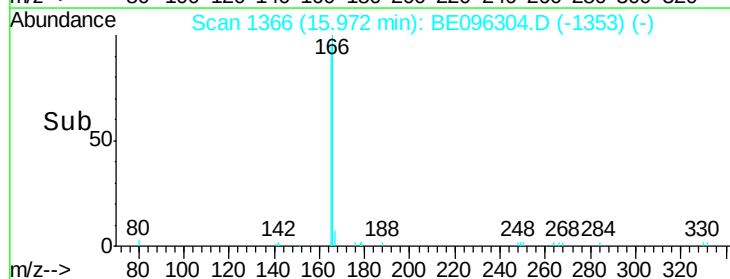
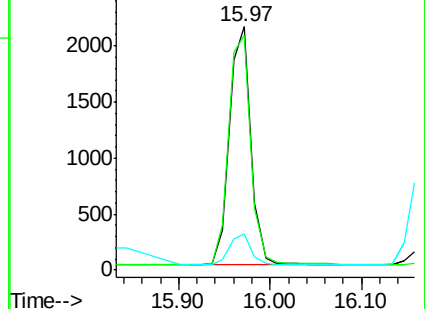
167 13.6 42.4 63.6#

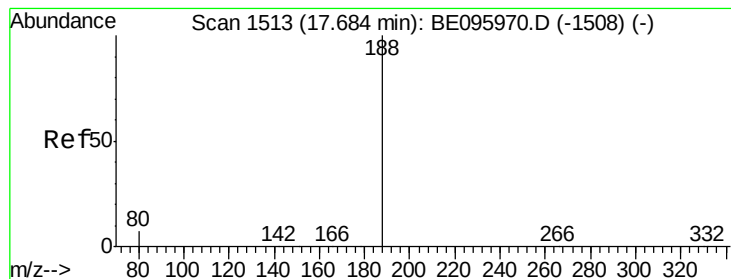


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

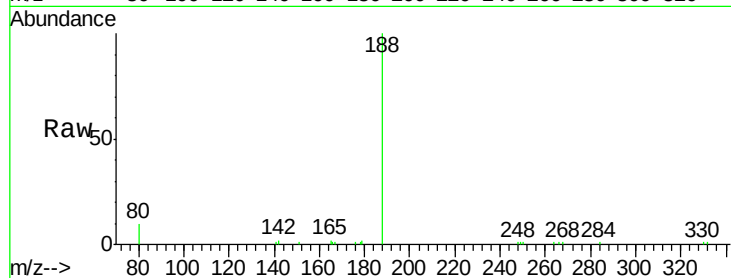
Tot Ion:188 Resp: 5314

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

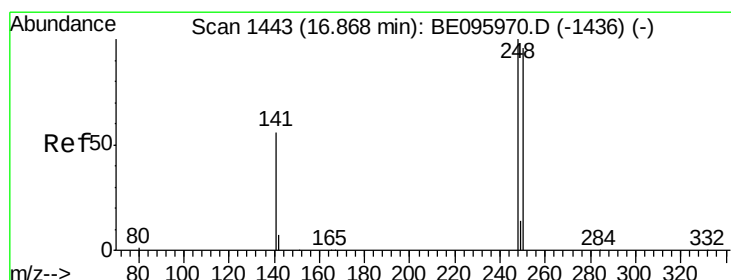
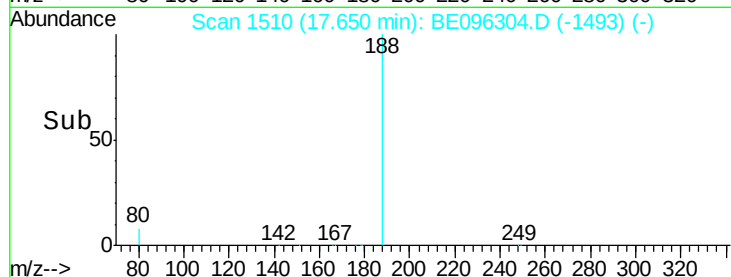
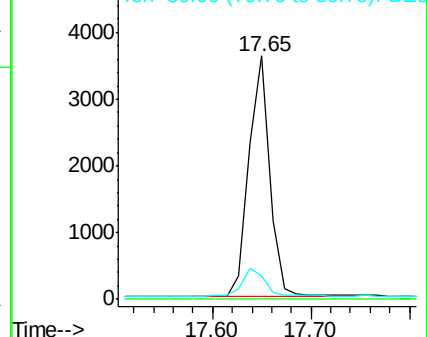
80 9.6 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.378 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

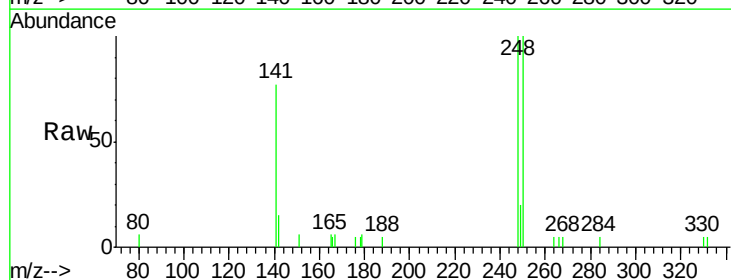
Tgt Ion:248 Resp: 1194

Ion Ratio Lower Upper

248 100

250 99.8 62.7 94.1#

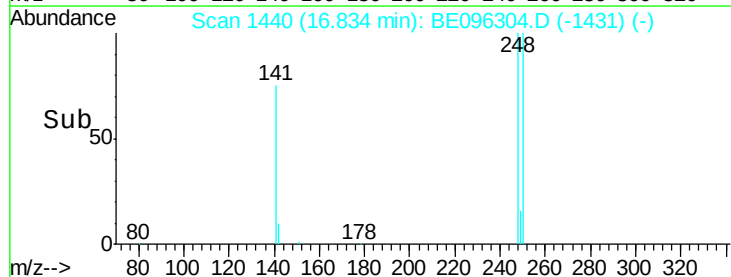
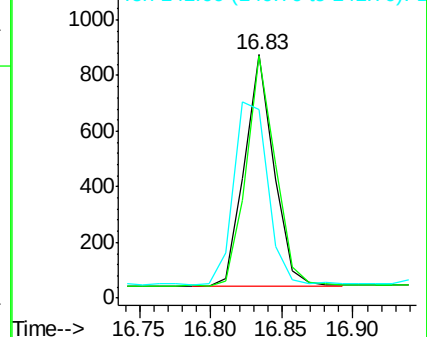
141 77.4 48.2 72.2#

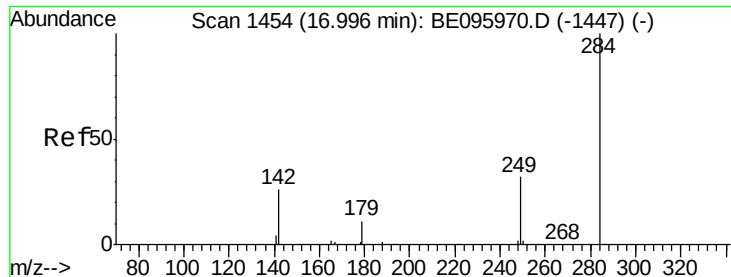


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.394 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

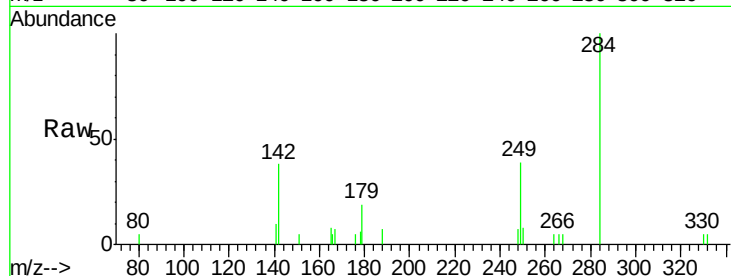
Tot Ion:284 Resp: 1240

Ion Ratio Lower Upper

284 100

142 45.9 22.1 33.1#

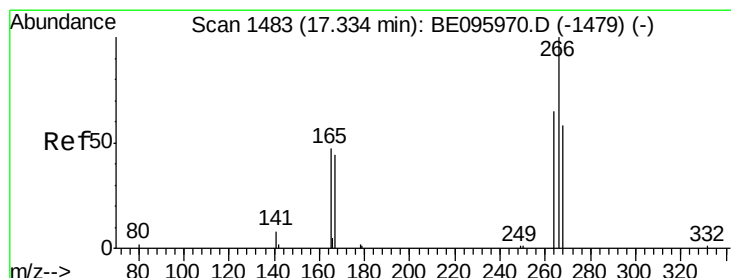
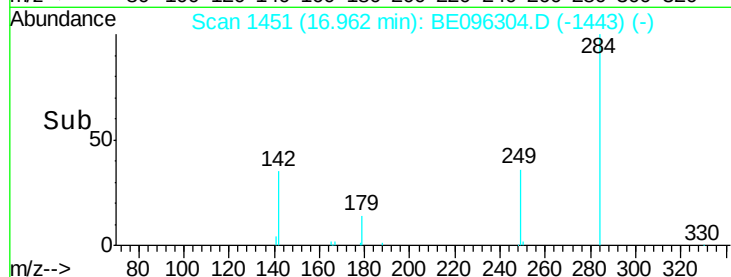
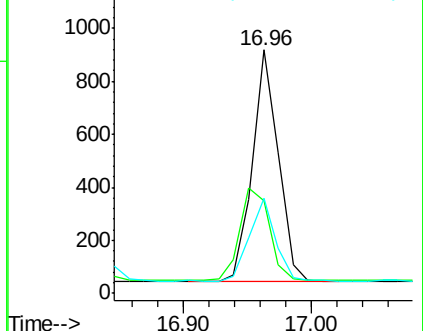
249 36.6 34.8 52.2



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: 0.458 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

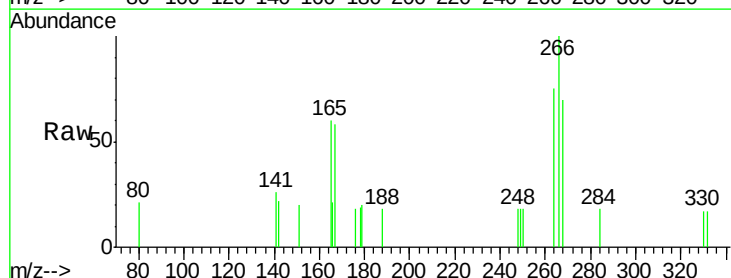
Tgt Ion:266 Resp: 468

Ion Ratio Lower Upper

266 100

264 75.1 72.5 108.7

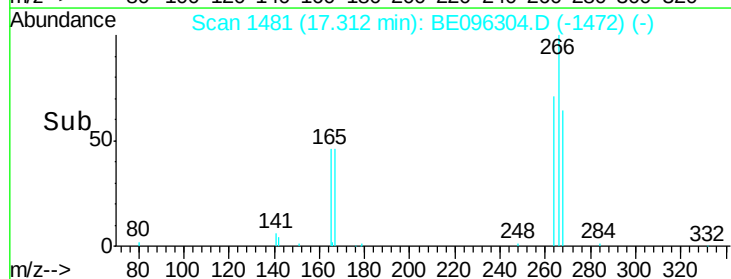
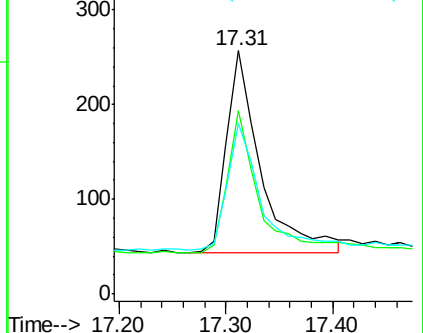
268 70.0 73.8 110.6#

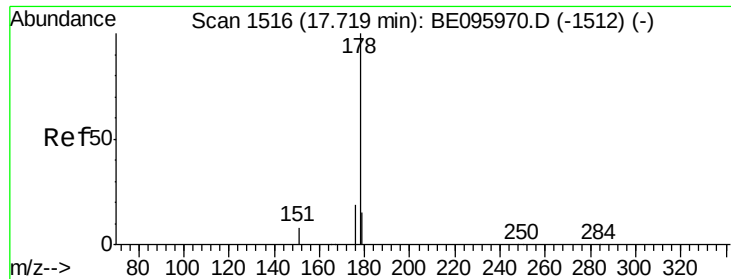


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.383 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

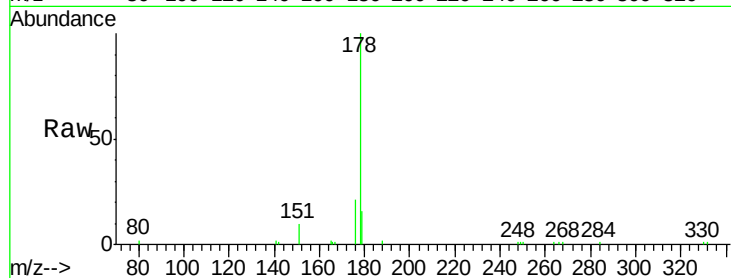
Tot Ion:178 Resp: 5715

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

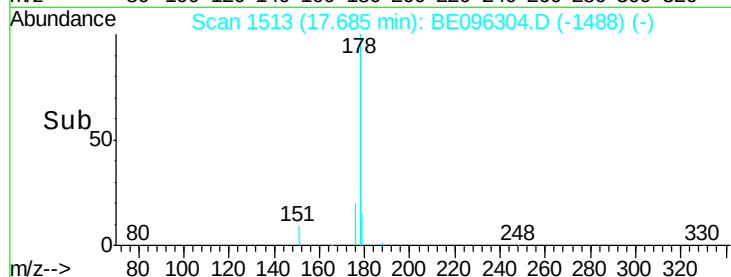
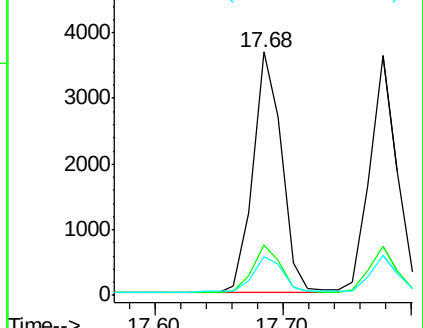
179 14.7 11.8 17.6



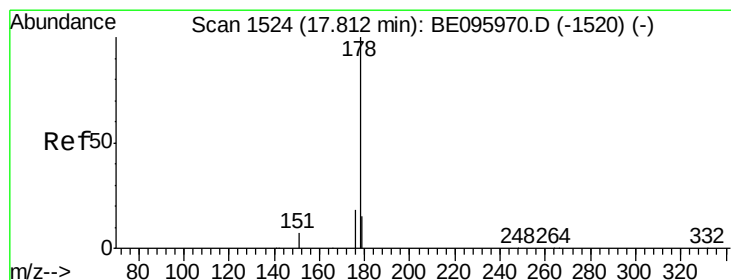
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.371 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

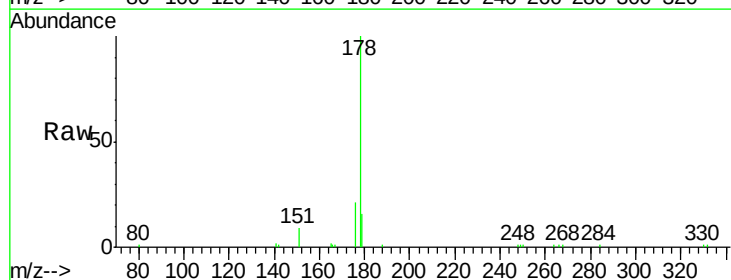
Tgt Ion:178 Resp: 5289

Ion Ratio Lower Upper

178 100

176 19.5 12.8 19.2#

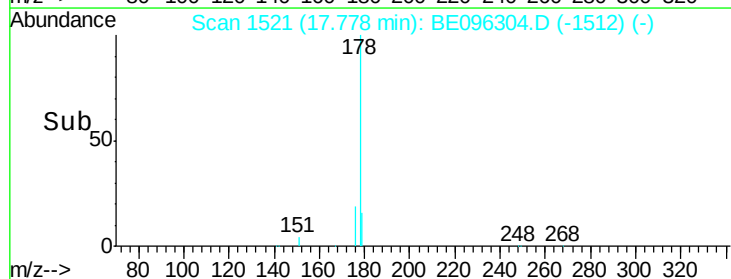
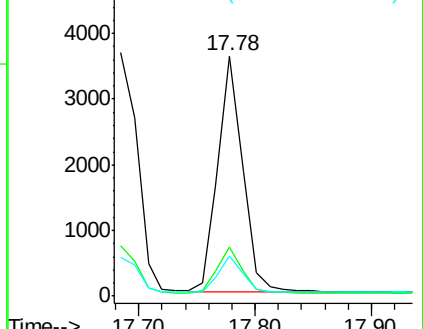
179 15.1 13.0 19.6



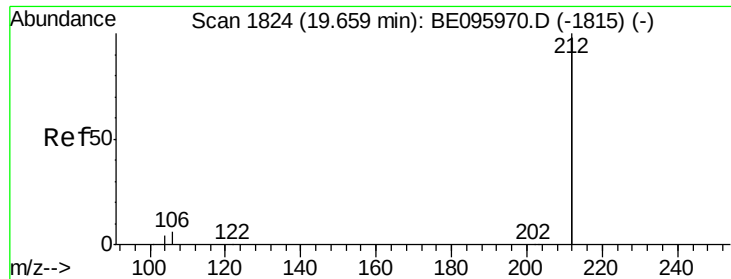
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.63 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

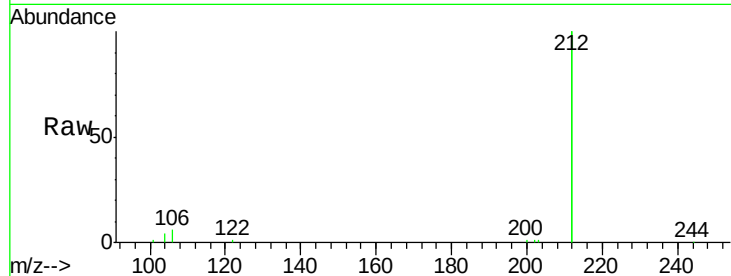
Tot Ion:212 Resp: 25753

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

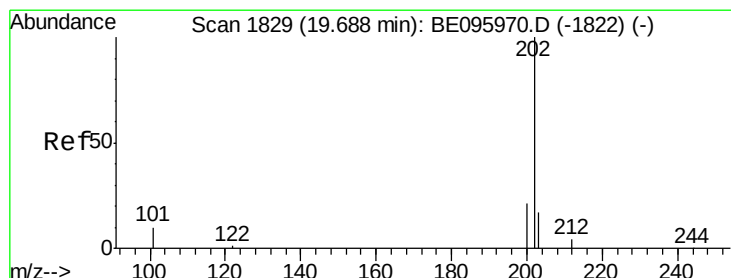
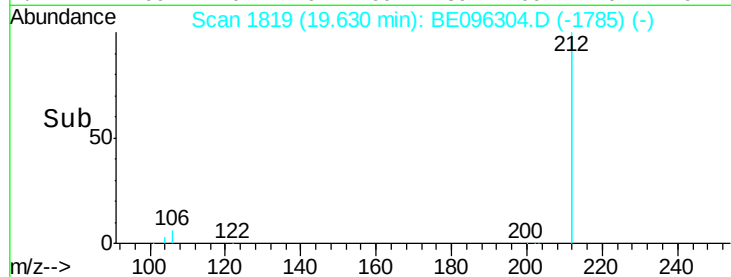
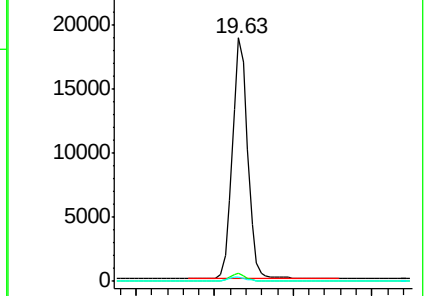
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.364 ng

RT: 19.66 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

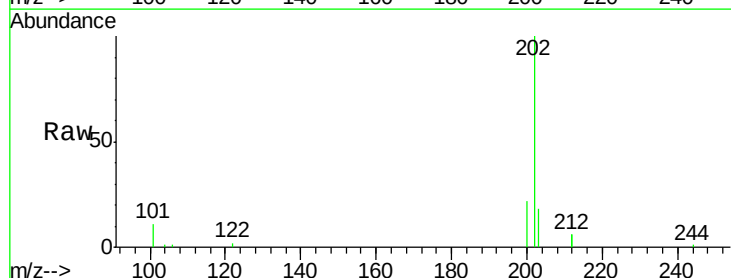
Tgt Ion:202 Resp: 7146

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

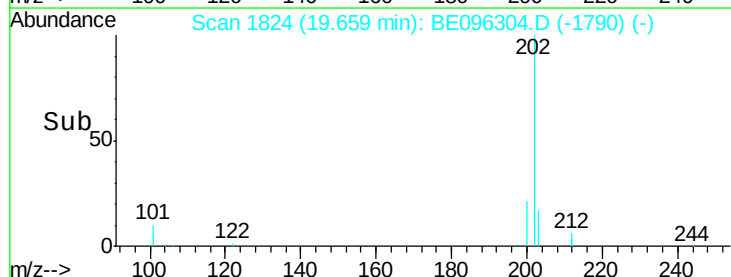
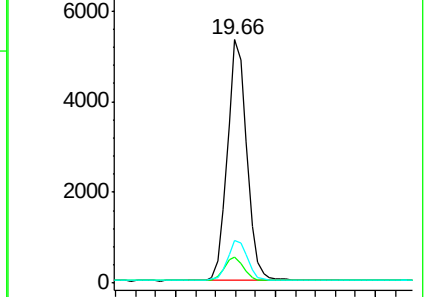
203 16.8 13.7 20.5

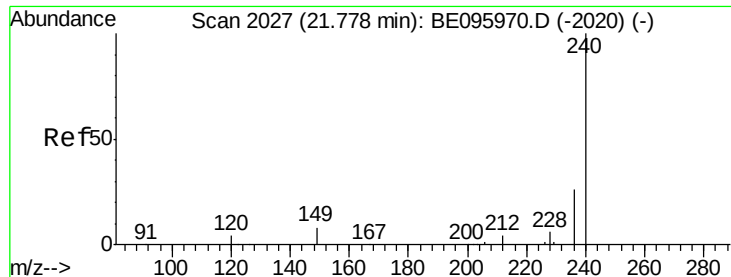


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

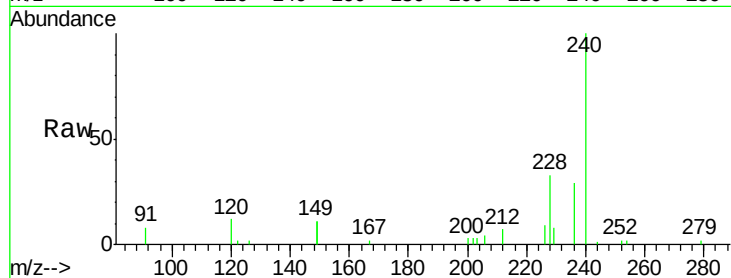
Tot Ion:240 Resp: 5333

Ion Ratio Lower Upper

240 100

120 11.8 5.5 8.3#

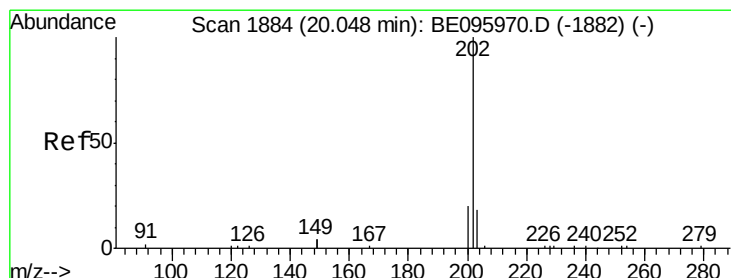
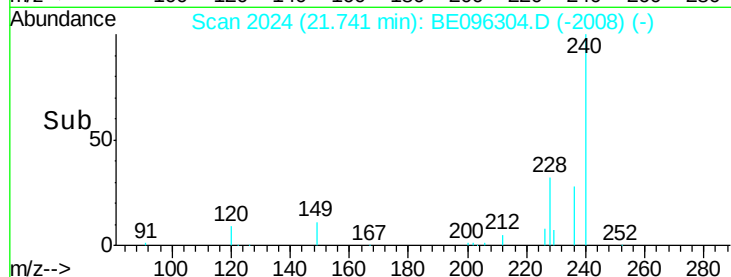
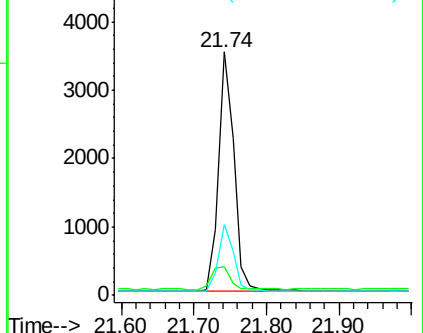
236 29.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.050 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

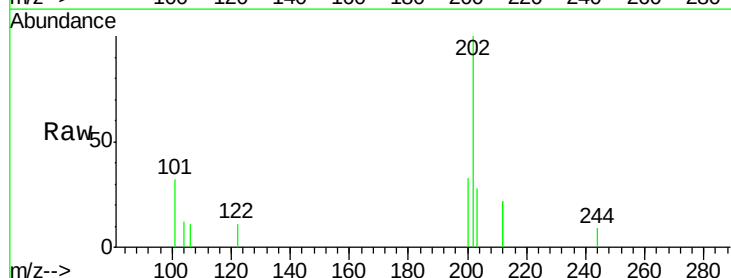
Tgt Ion:202 Resp: 523

Ion Ratio Lower Upper

202 100

200 29.3 16.6 25.0#

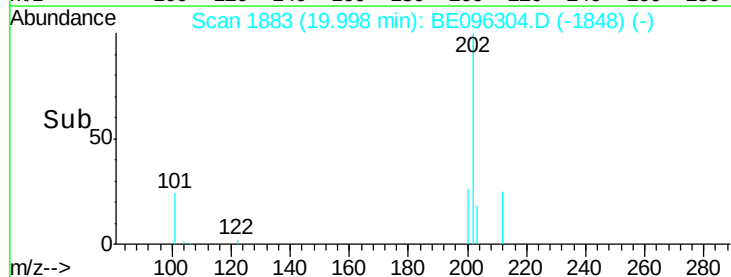
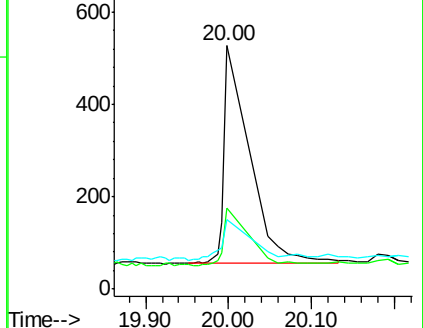
203 28.9 13.8 20.8#

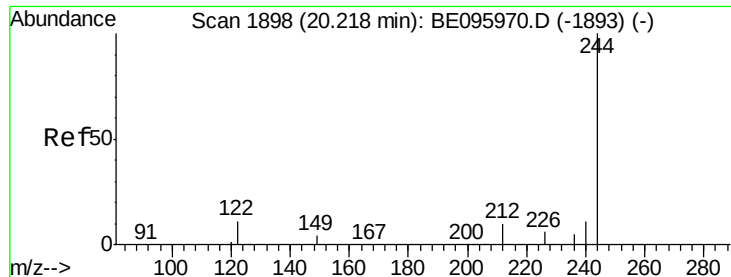


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.377 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampled :

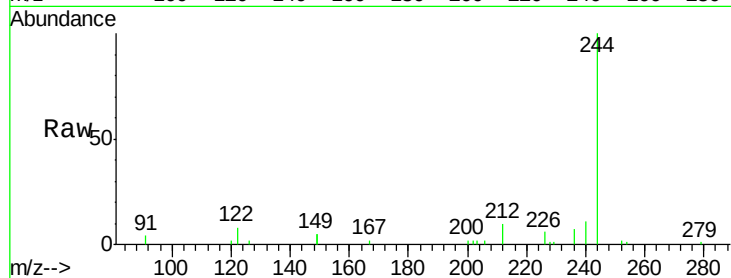
Tot Ion:244 Resp: 4439

Ion Ratio Lower Upper

244 100

212 9.6 25.4 38.0#

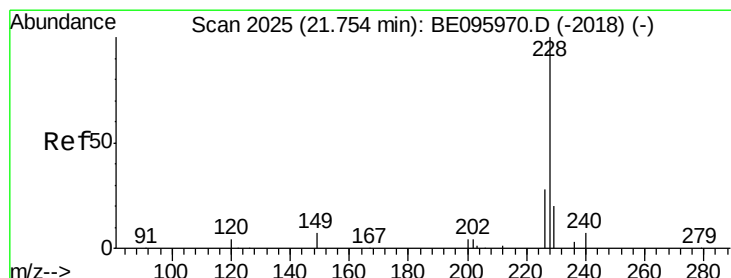
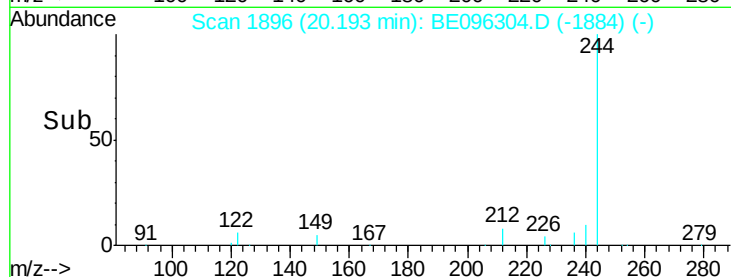
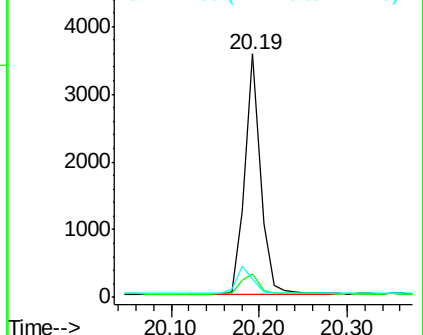
122 7.7 8.1 12.1#



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: 0.373 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

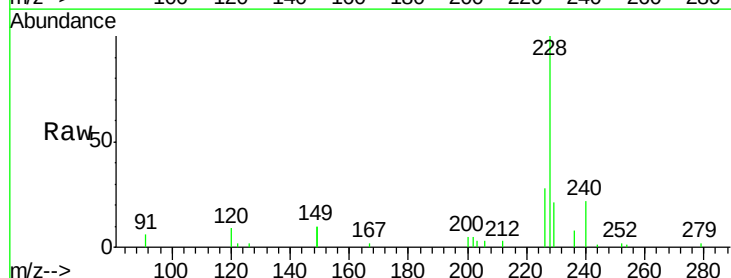
Tgt Ion:228 Resp: 6380

Ion Ratio Lower Upper

228 100

226 27.8 24.0 36.0

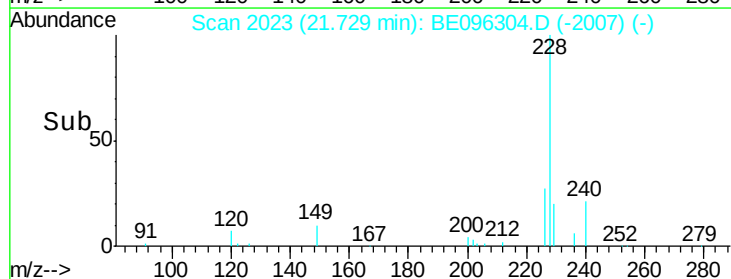
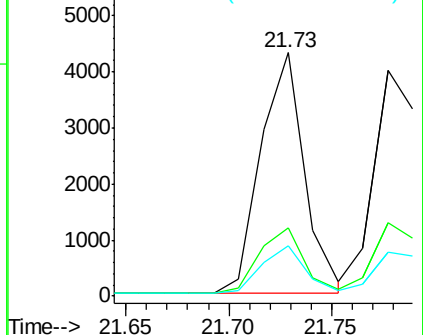
229 20.9 16.0 24.0

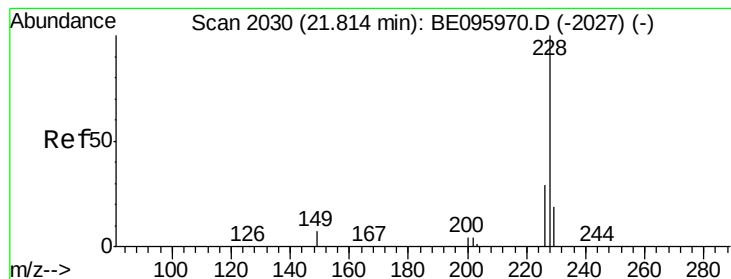


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.385 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

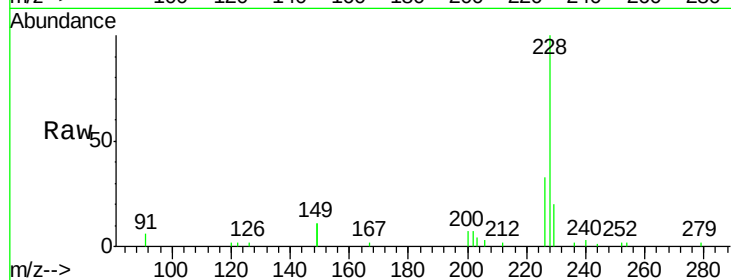
Tot Ion:228 Resp: 6366

Ion Ratio Lower Upper

228 100

226 32.7 24.0 36.0

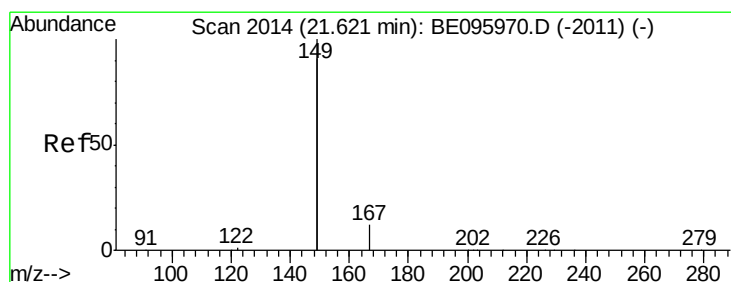
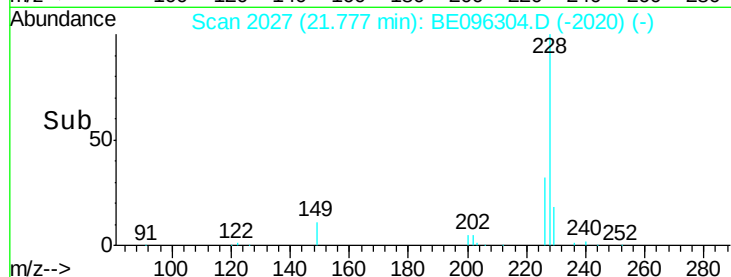
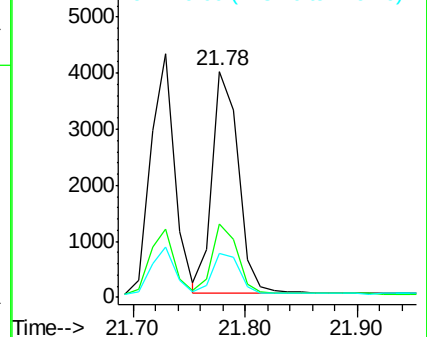
229 19.6 16.0 24.0



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: 0.416 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

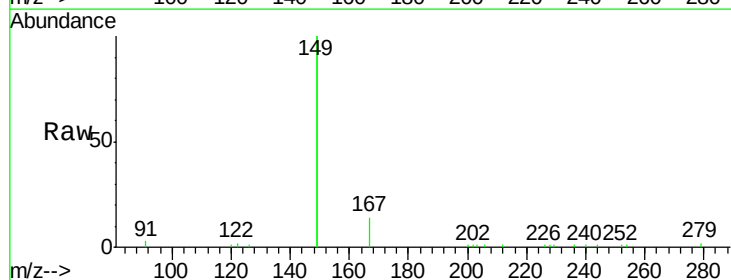
Tgt Ion:149 Resp: 18349

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

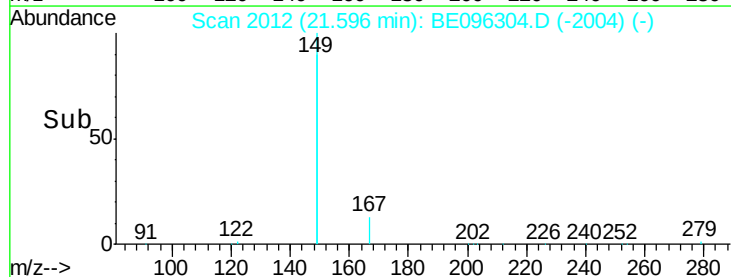
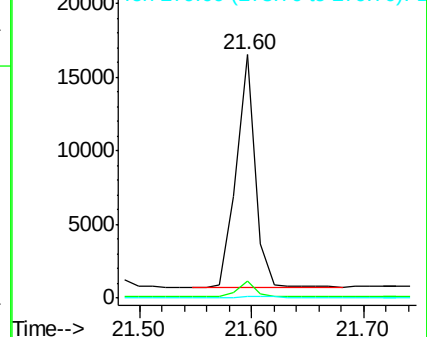
279 0.7 0.7 1.1

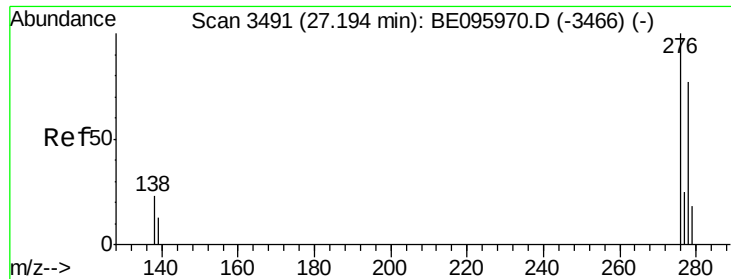


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

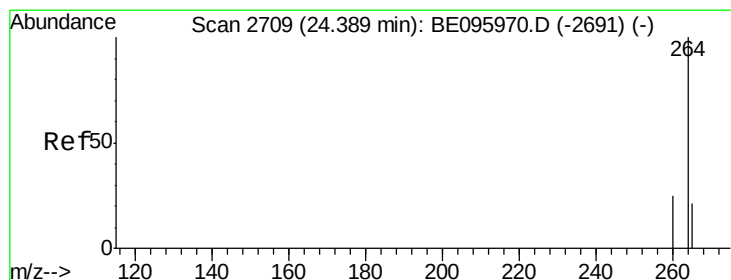
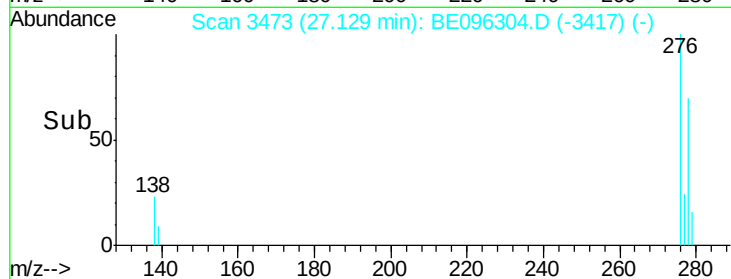
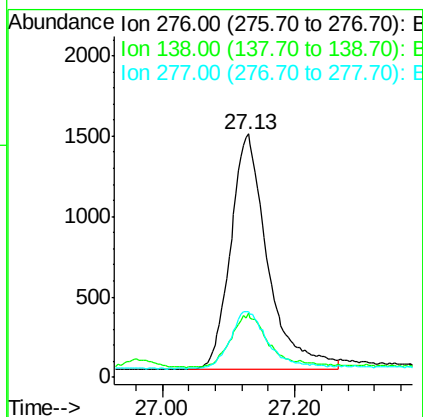
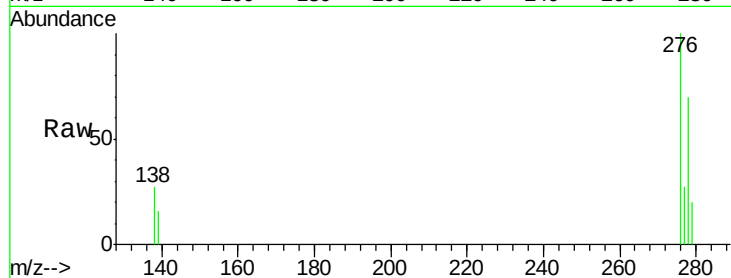




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.354 ng
 RT: 27.13 min Scan# 3473
 Delta R.T. -0.00 min
 Lab File: BE096304.D
 Acq: 2 May 2018 21:20

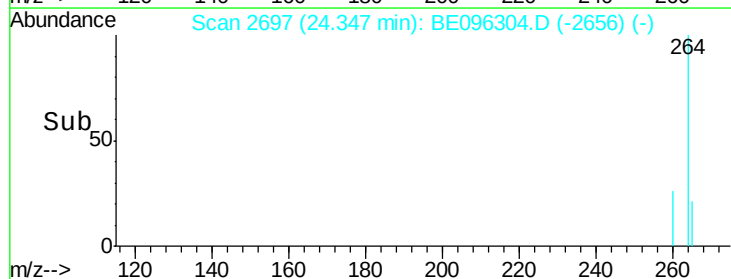
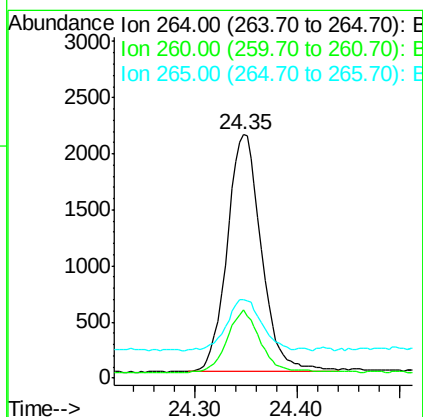
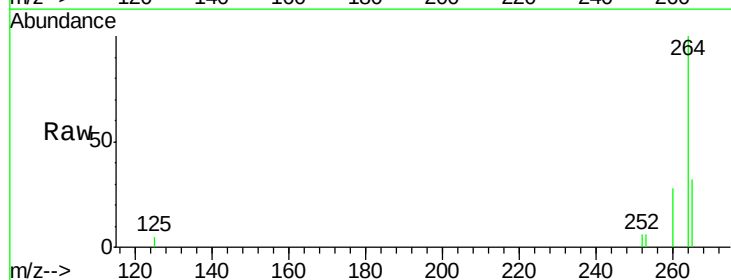
Instrument :
 BNA_E
 ClientSampleId :

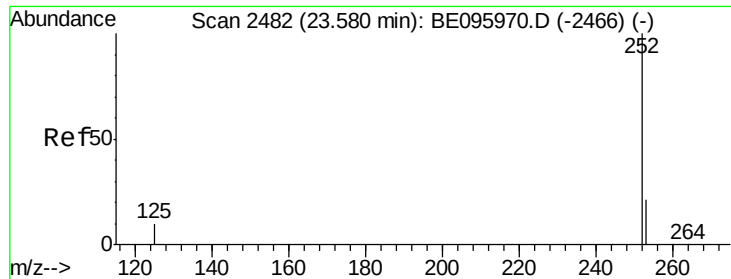
Tot Ion:276 Resp: 5671
 Ion Ratio Lower Upper
 276 100
 138 21.9 22.5 33.7#
 277 24.3 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.35 min Scan# 2697
 Delta R.T. -0.00 min
 Lab File: BE096304.D
 Acq: 2 May 2018 21:20

Tgt Ion:264 Resp: 4952
 Ion Ratio Lower Upper
 264 100
 260 28.1 20.5 30.7
 265 32.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.393 ng

RT: 23.54 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

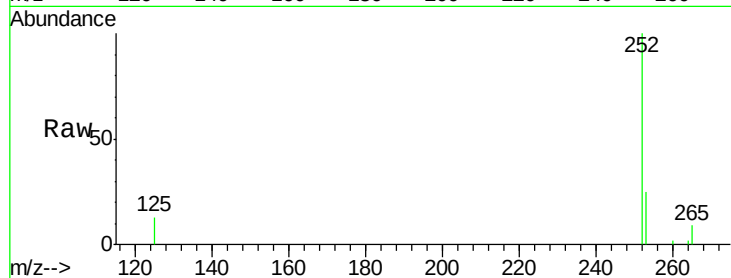
Tot Ion:252 Resp: 5832

Ion Ratio Lower Upper

252 100

253 25.1 20.0 30.0

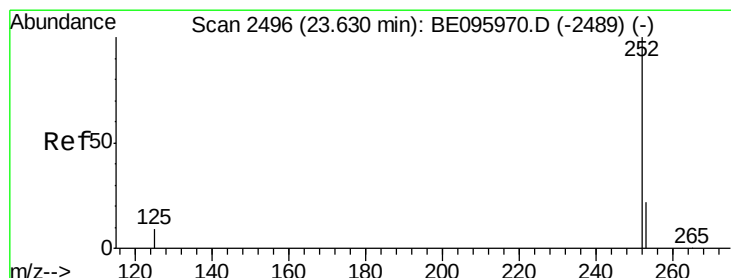
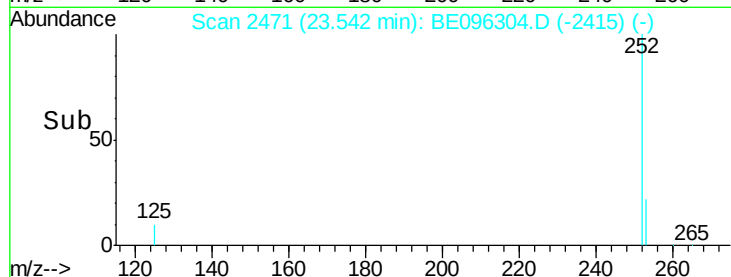
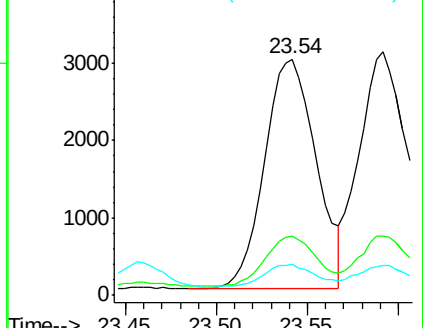
125 12.9 16.0 24.0#



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: 23.59 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

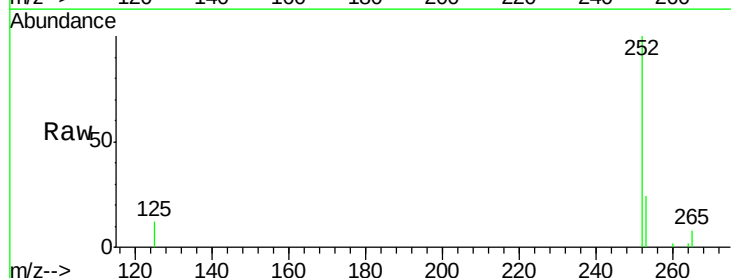
Tgt Ion:252 Resp: 6024

Ion Ratio Lower Upper

252 100

253 24.2 16.0 24.0#

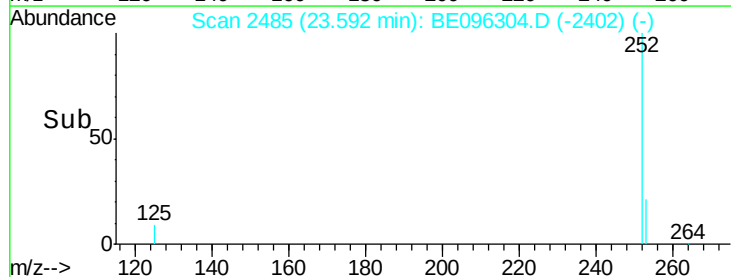
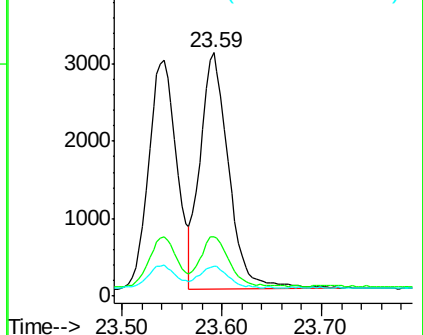
125 12.5 8.0 12.0#

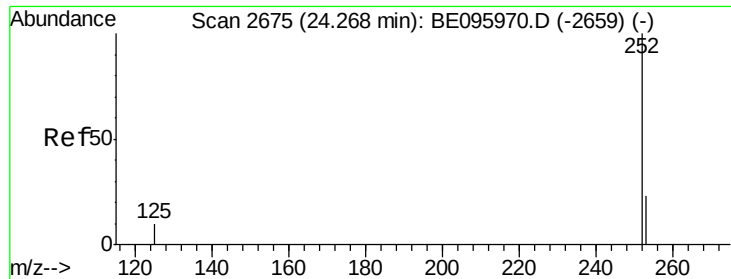


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.385 ng

RT: 24.23 min Scan# 2664

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

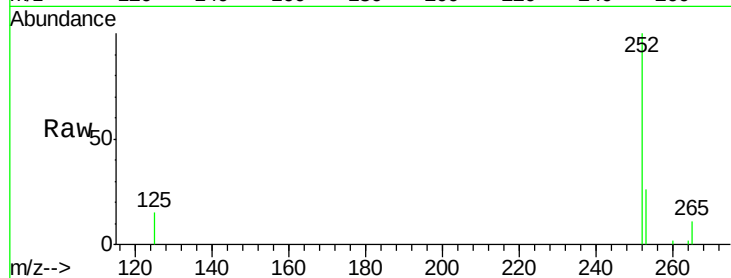
Tot Ion:252 Resp: 5494

Ion Ratio Lower Upper

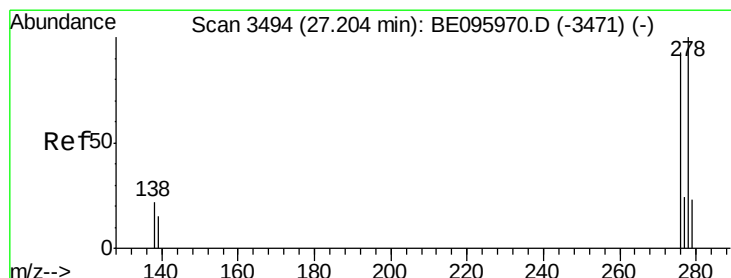
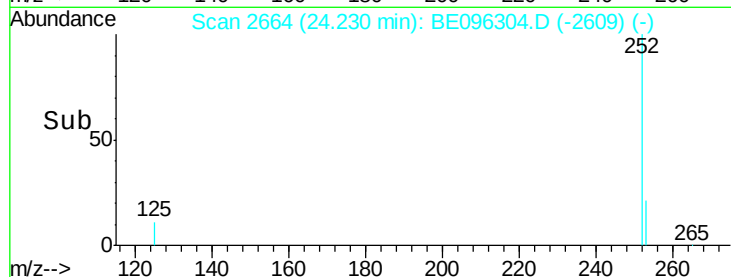
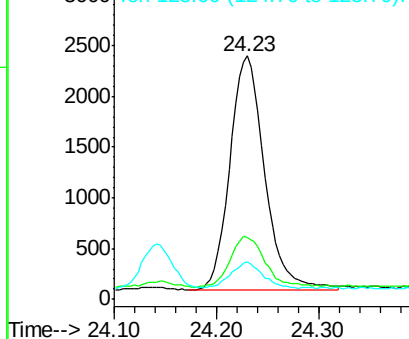
252 100

253 25.5 16.0 24.0#

125 15.3 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: 0.359 ng

RT: 27.14 min Scan# 3476

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

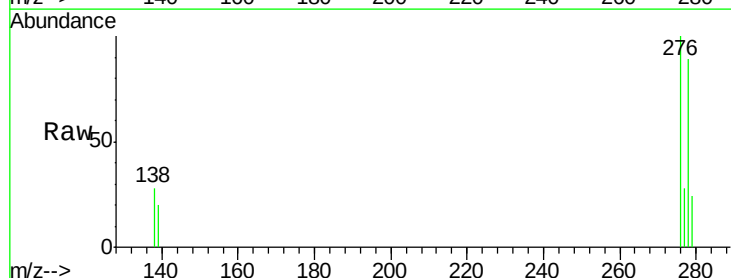
Tgt Ion:278 Resp: 4525

Ion Ratio Lower Upper

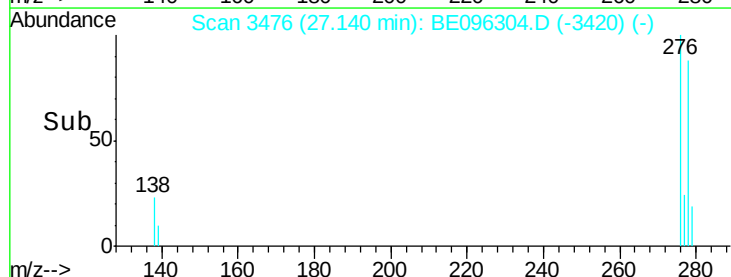
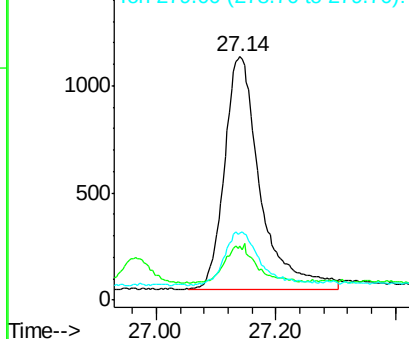
278 100

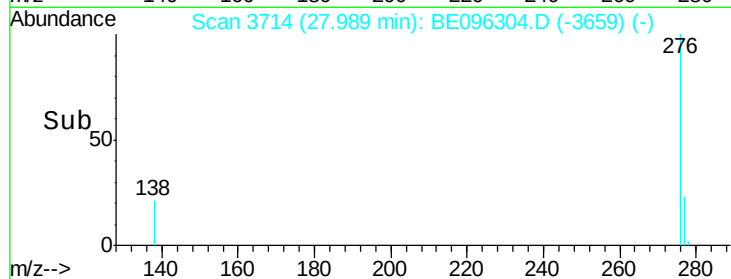
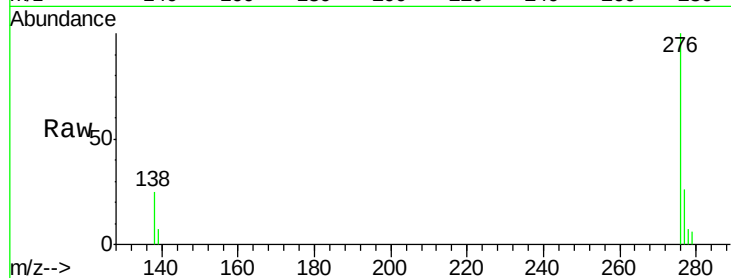
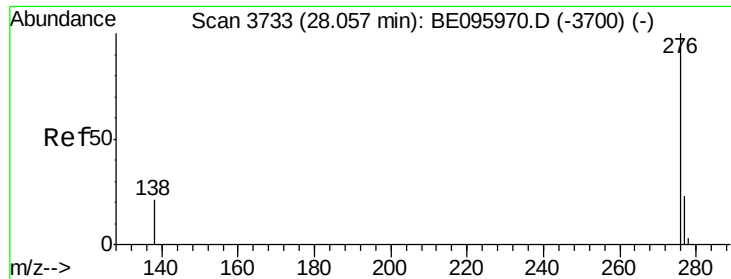
139 22.1 16.0 24.0

279 27.5 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: 0.377 ng

RT: 27.99 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BE096304.D

Acq: 2 May 2018 21:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 5016

Ion Ratio Lower Upper

276 100

277 26.4 16.0 24.0#

138 25.0 20.0 30.0

