

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111918\
 Data File : BE098252.D
 Acq On : 19 Nov 2018 17:52
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 19 18:24:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 16 19:05:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1446	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	6737	0.40	ng	0.01
13) Acenaphthene-d10	14.54	164	4204	0.40	ng	0.01
19) Phenanthrene-d10	17.28	188	9771	0.40	ng	0.00
27) Chrysene-d12	21.46	240	10839	0.40	ng	0.00
34) Perylene-d12	24.02	264	10275	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	1575	0.41	ng	0.00
5) Phenol-d6	7.04	99	2528	0.41	ng	0.00
8) Nitrobenzene-d5	9.03	82	2674	0.42	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	4526	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	666	0.49	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	6872	0.38	ng	0.01
25) Fluoranthene-d10	19.31	212	46596	0.39	ng	0.00
29) Terphenyl-d14	19.91	244	9258	0.37	ng	0.00

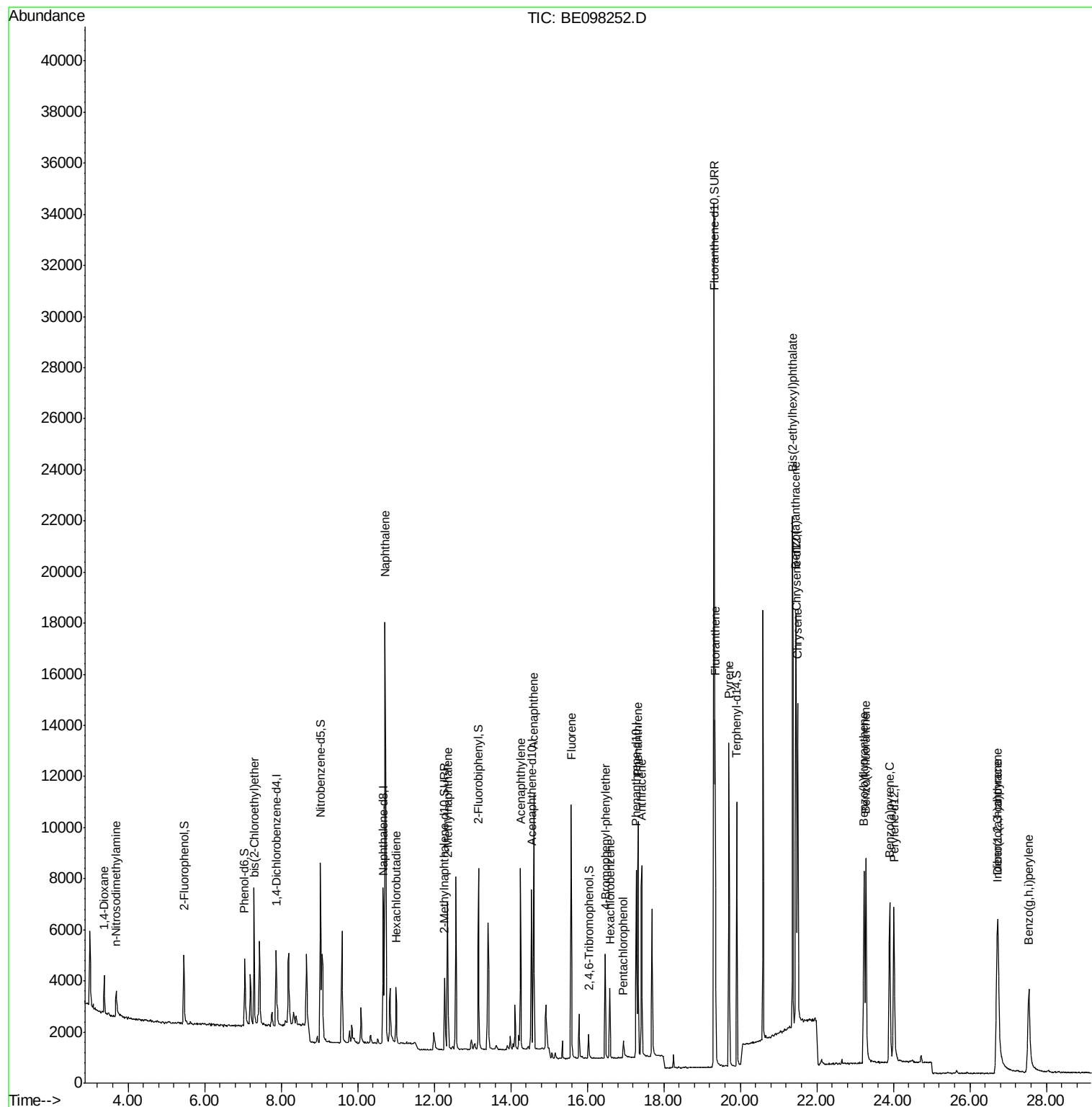
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	871	0.384	ng	91
3) n-Nitrosodimethylamine	3.69	42	955	0.374	ng	# 84
6) bis(2-Chloroethyl)ether	7.30	93	1996	0.383	ng	93
9) Naphthalene	10.72	128	27172	0.396	ng	99
10) Hexachlorobutadiene	11.00	225	1560	0.388	ng	98
12) 2-Methylnaphthalene	12.35	142	4730	0.391	ng	92
16) Acenaphthylene	14.25	152	7954	0.397	ng	99
17) Acenaphthene	14.60	154	4793	0.401	ng	99
18) Fluorene	15.58	166	6127	0.402	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	2328	0.385	ng	# 79
21) Hexachlorobenzene	16.59	284	2380	0.381	ng	97
22) Pentachlorophenol	16.94	266	469	0.485	ng	98
23) Phenanthrene	17.33	178	9717	0.387	ng	100
24) Anthracene	17.42	178	9001	0.394	ng	100
26) Fluoranthene	19.34	202	11820	0.392	ng	99
28) Pyrene	19.70	202	12104	0.382	ng	99
30) Benzo(a)anthracene	21.45	228	12203	0.389	ng	98
31) Chrysene	21.50	228	12834	0.398	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	25305	0.518	ng	99
33) Indeno(1,2,3-cd)pyrene	26.71	276	11230	0.407	ng	# 87
35) Benzo(b)fluoranthene	23.23	252	11527	0.397	ng	99
36) Benzo(k)fluoranthene	23.28	252	12525	0.382	ng	99
37) Benzo(a)pyrene	23.90	252	11083	0.389	ng	# 96
38) Dibenzo(a,h)anthracene	26.73	278	9373	0.410	ng	97
39) Benzo(g,h,i)perylene	27.54	276	10173	0.414	ng	# 97

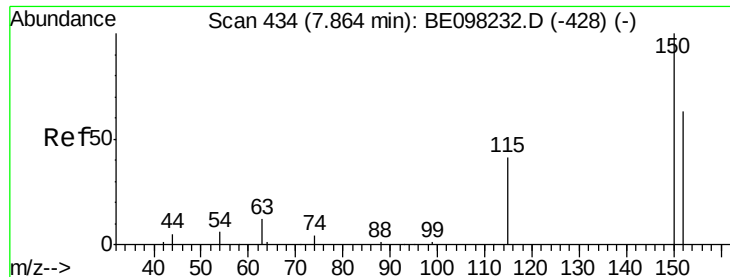
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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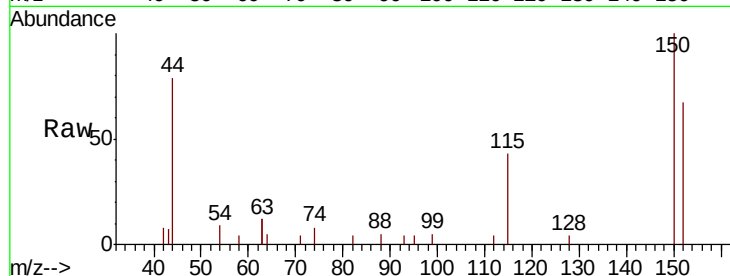


#1

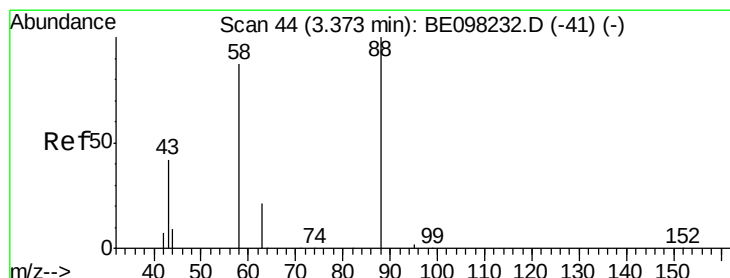
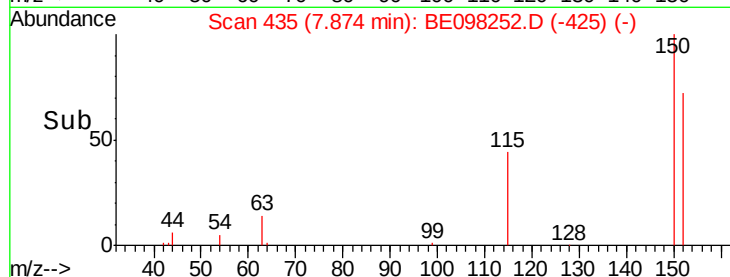
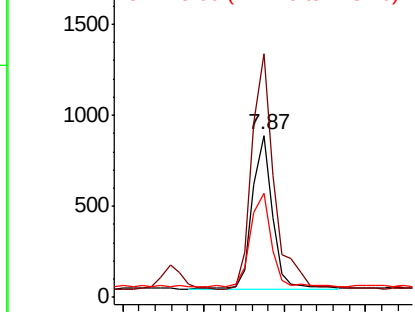
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1446
Ion Ratio Lower Upper
152 100
150 150.2 127.5 191.3
115 64.4 60.3 90.5



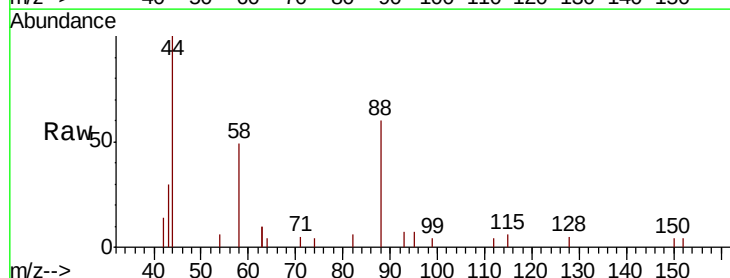
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



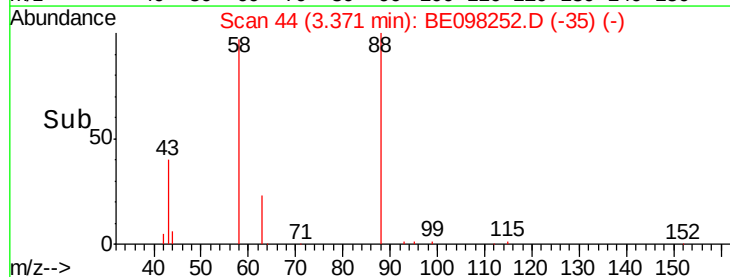
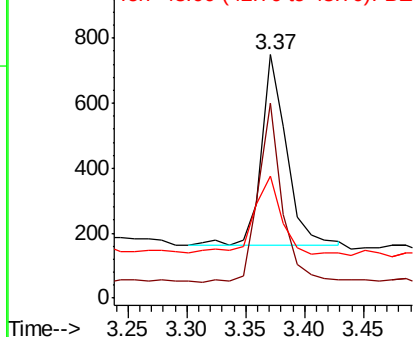
#2

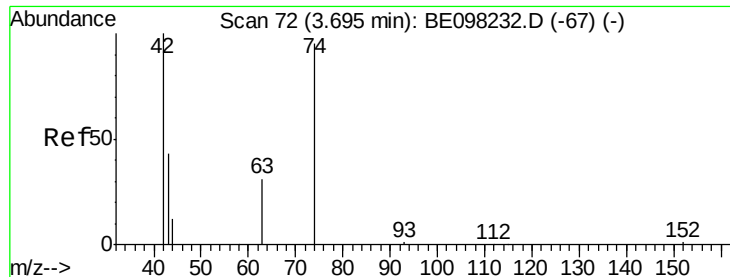
1,4-Dioxane
Concen: 0.384 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Tgt Ion: 88 Resp: 871
Ion Ratio Lower Upper
88 100
58 89.0 79.0 118.4
43 42.8 38.1 57.1



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: 0.374 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

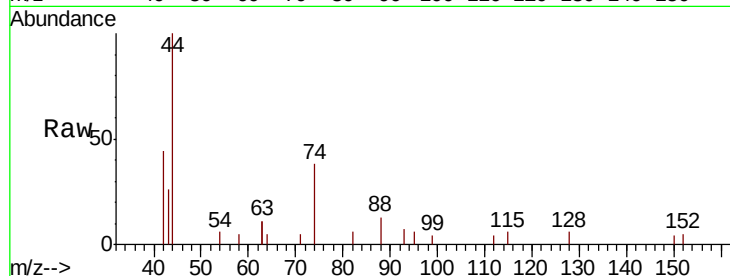
Tot Ion: 42 Resp: 955

Ion Ratio Lower Upper

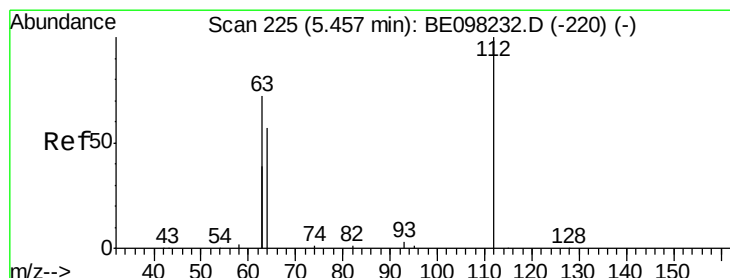
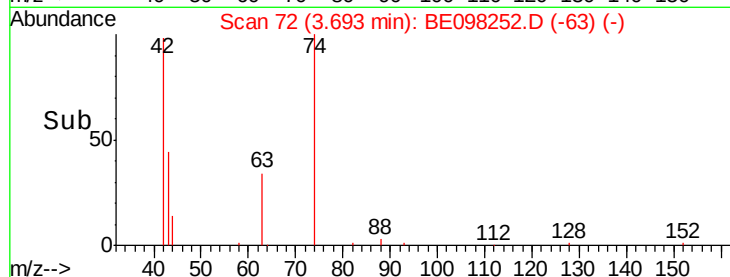
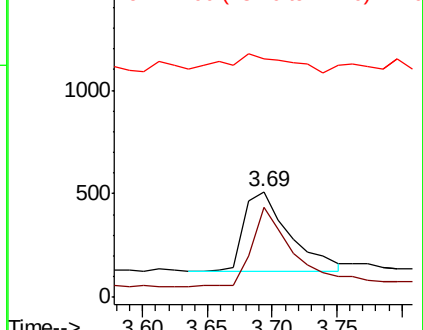
42 100

74 87.2 61.7 92.5

44 32.0 14.0 21.0#



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: 0.406 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

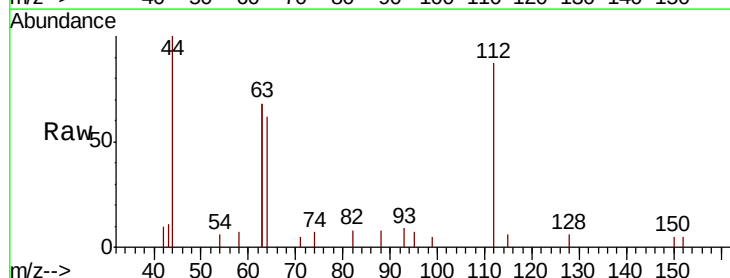
Tgt Ion: 112 Resp: 1575

Ion Ratio Lower Upper

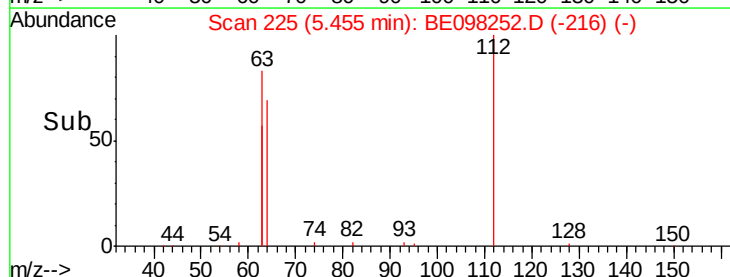
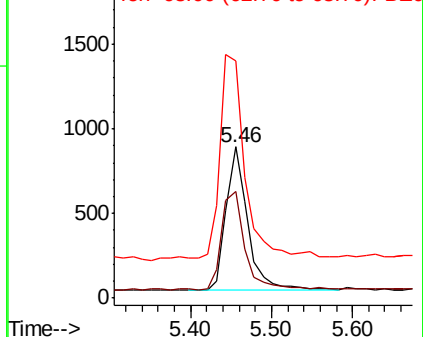
112 100

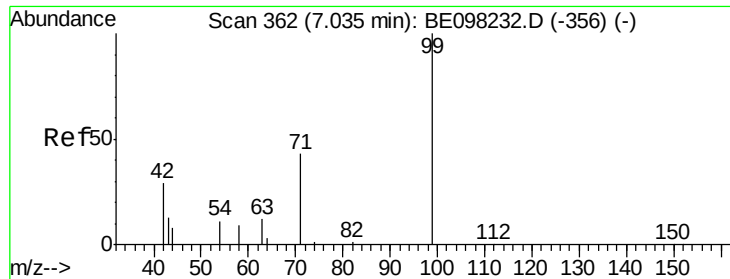
64 72.8 61.7 92.5

63 161.0 136.2 204.2



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: 0.415 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.01 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

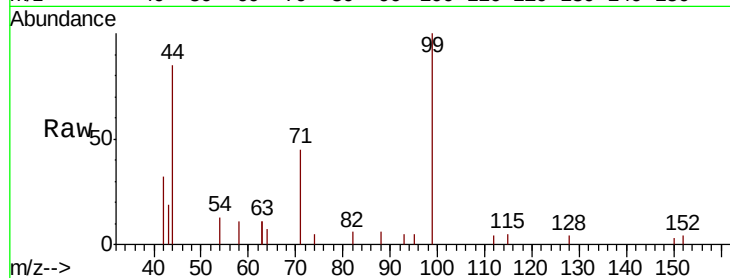
Tot Ion: 99 Resp: 2528

Ion Ratio Lower Upper

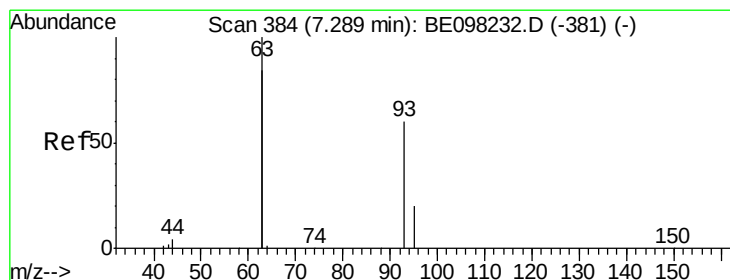
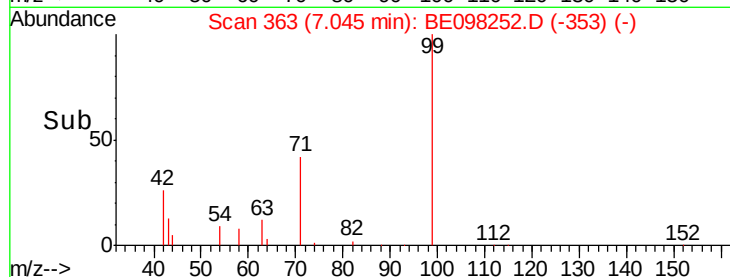
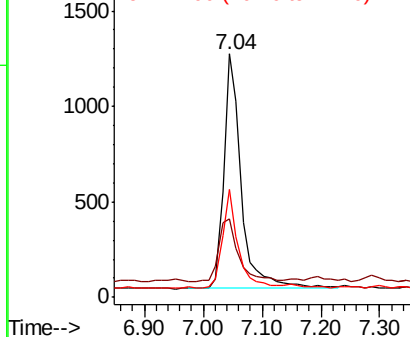
99 100

42 28.8 27.1 40.7

71 36.8 37.0 55.6#



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: 0.383 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

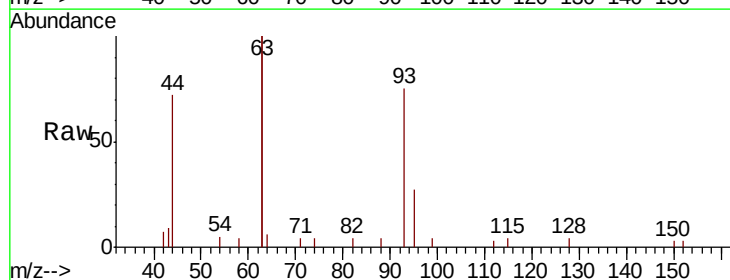
Tgt Ion: 93 Resp: 1996

Ion Ratio Lower Upper

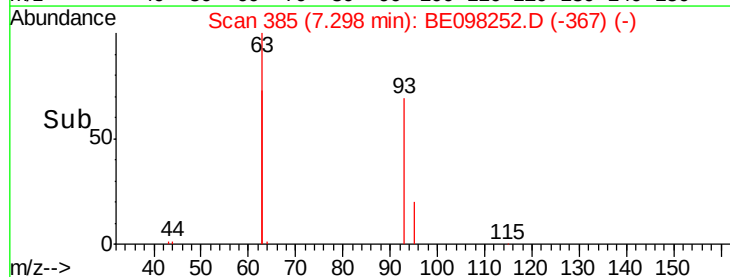
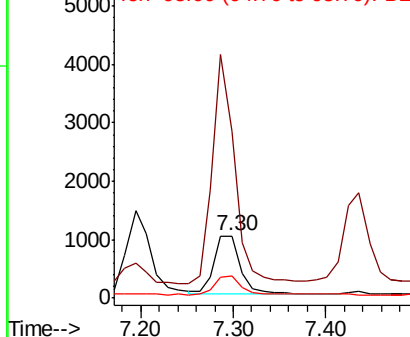
93 100

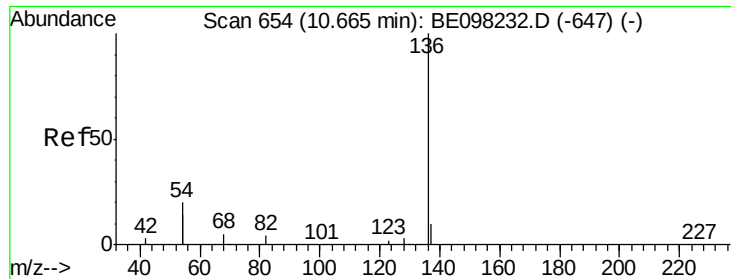
63 326.3 272.6 409.0

95 31.2 27.1 40.7



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: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6737

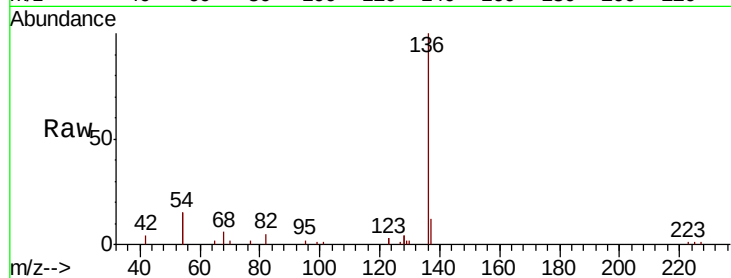
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 30.5 31.3 46.9#

68 6.0 4.8 7.2

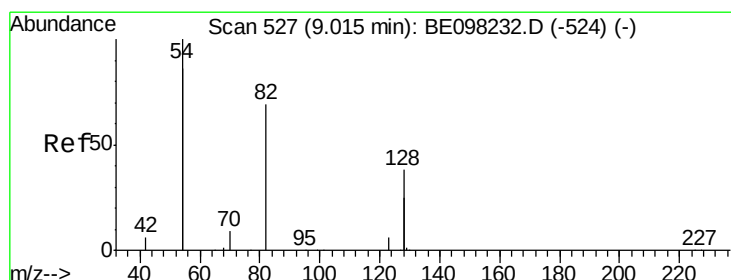
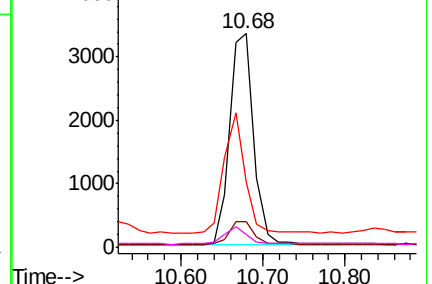
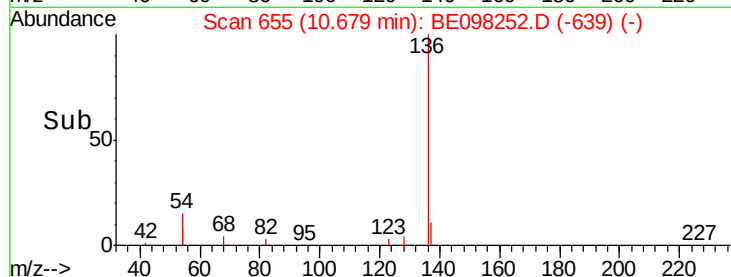


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.421 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

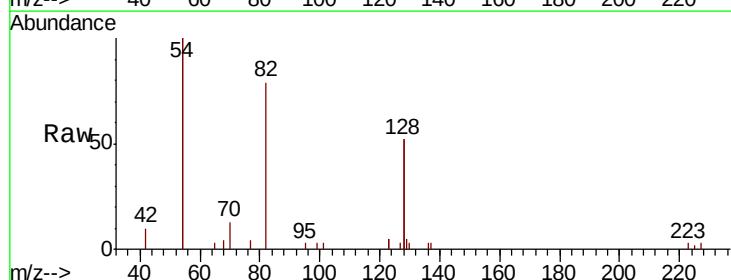
Tgt Ion: 82 Resp: 2674

Ion Ratio Lower Upper

82 100

128 133.5 96.1 144.1

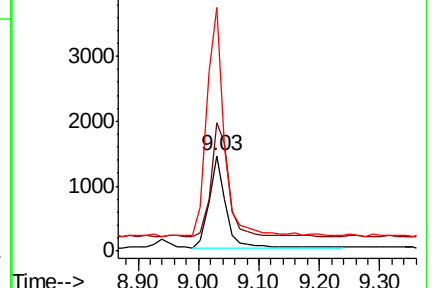
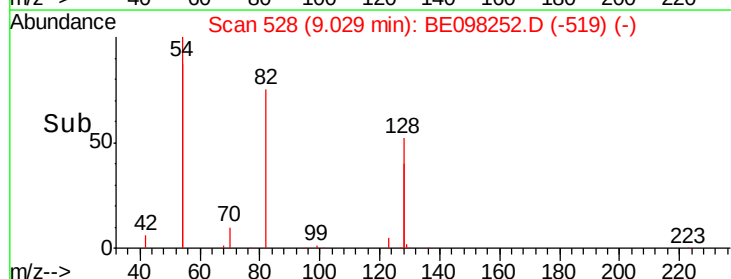
54 254.4 232.0 348.0

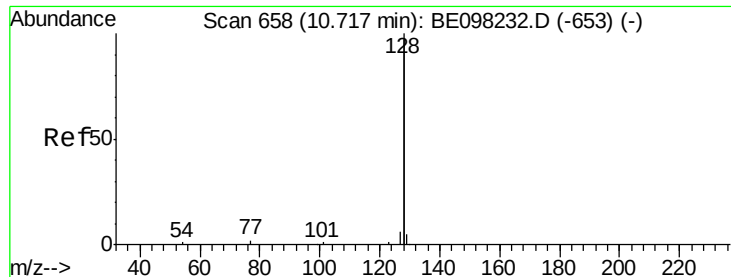


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.396 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

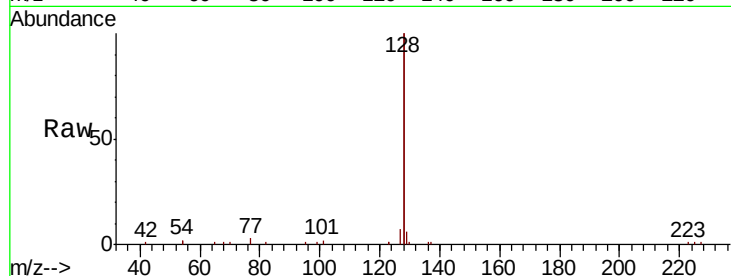
Tot Ion:128 Resp: 27172

Ion Ratio Lower Upper

128 100

129 3.0 2.6 4.0

127 3.6 2.8 4.2

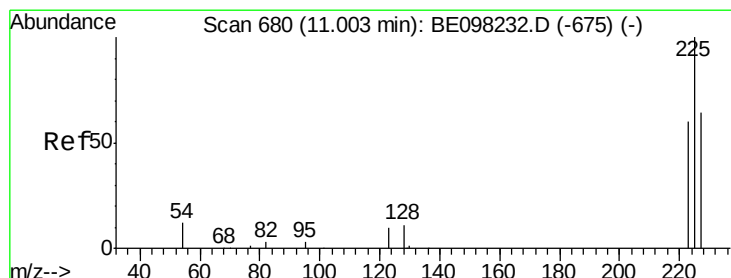
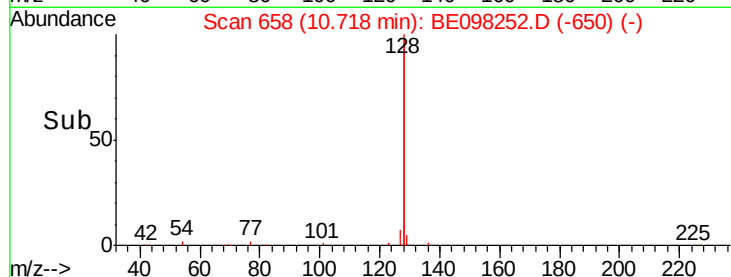
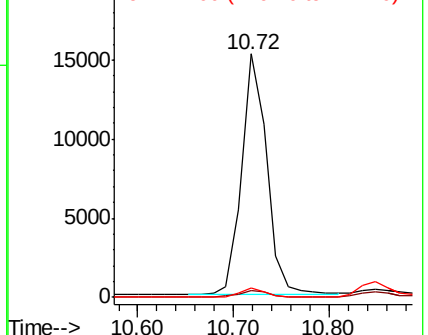


Abundance

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: 0.388 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

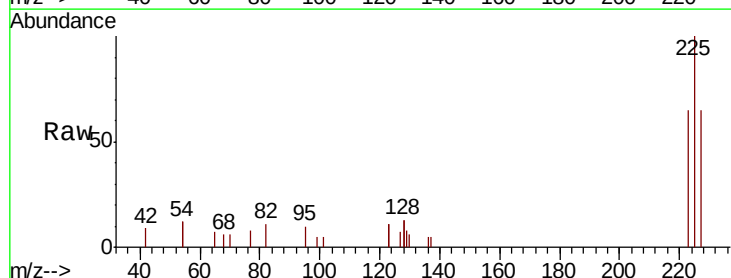
Tgt Ion:225 Resp: 1560

Ion Ratio Lower Upper

225 100

223 61.5 50.5 75.7

227 64.5 50.3 75.5

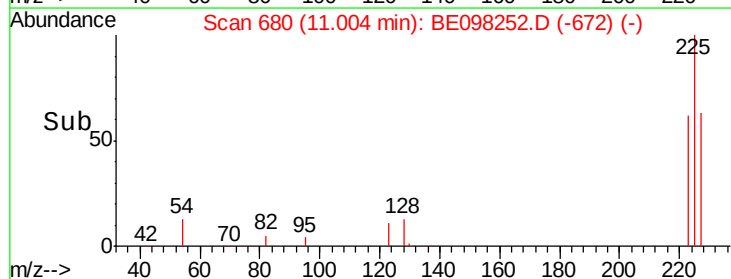
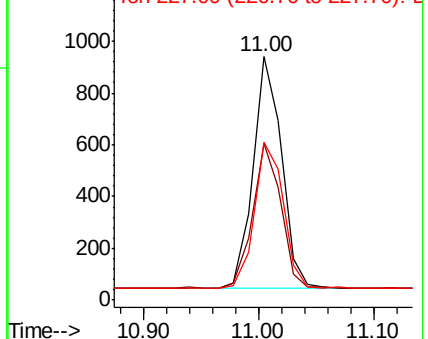


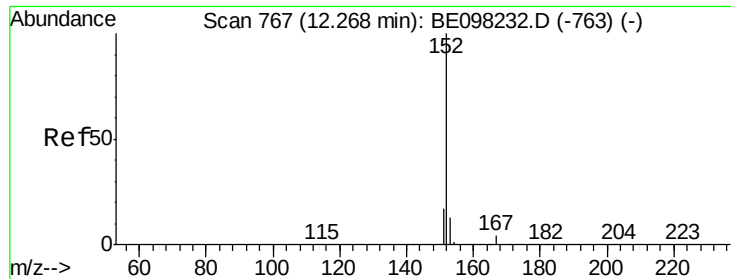
Abundance

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: 0.383 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

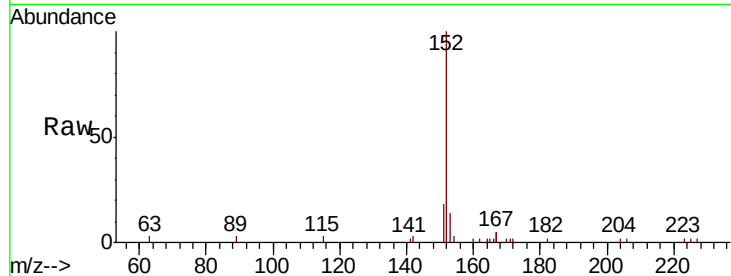
ClientSampleId :

Tot Ion:152 Resp: 4526

Ion Ratio Lower Upper

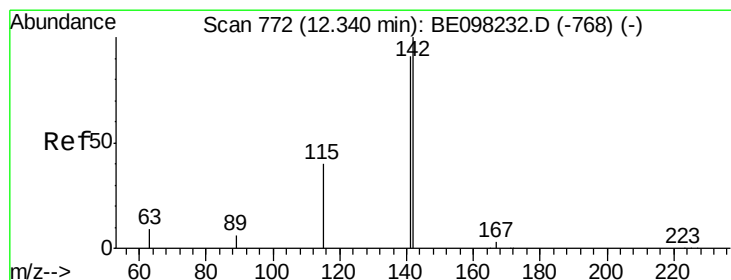
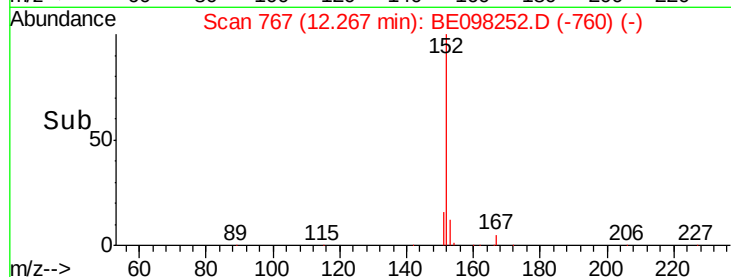
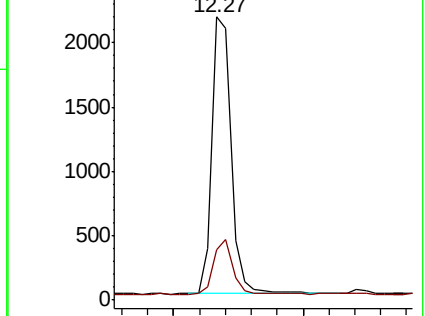
152 100

151 19.6 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.391 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.01 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

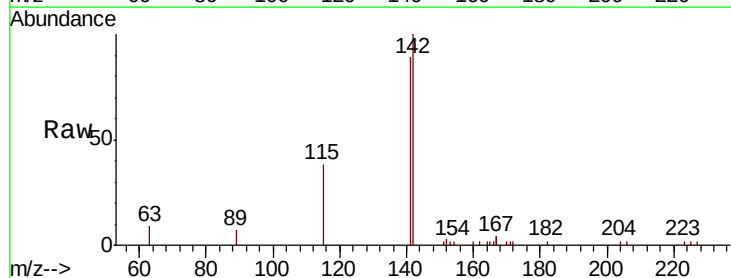
Tgt Ion:142 Resp: 4730

Ion Ratio Lower Upper

142 100

141 88.7 76.3 114.5

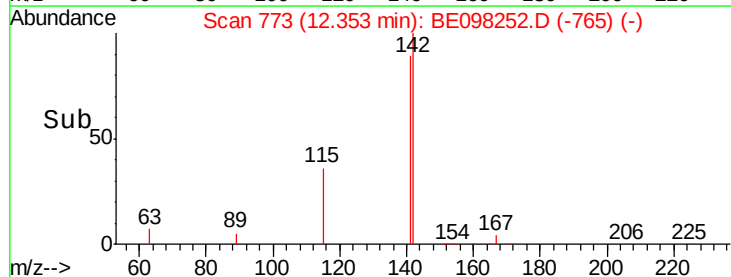
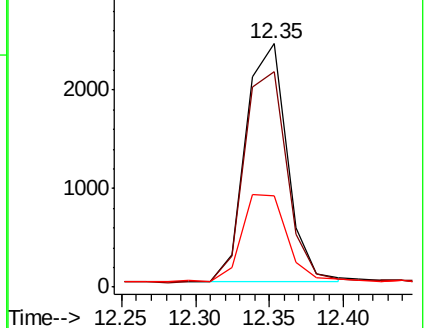
115 37.6 35.8 53.8

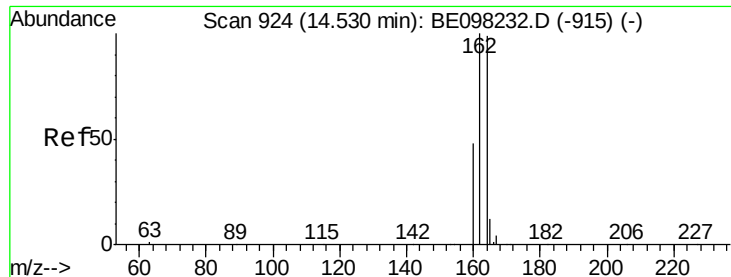


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

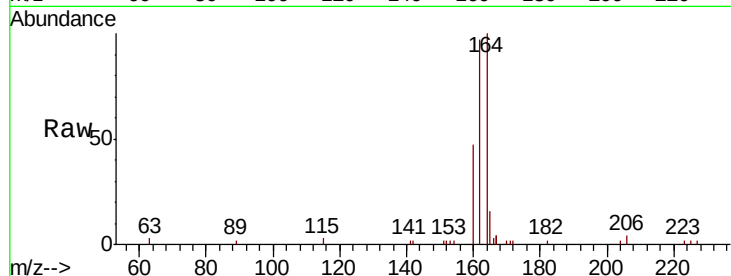




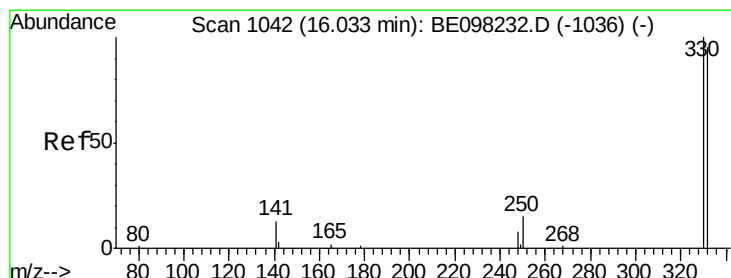
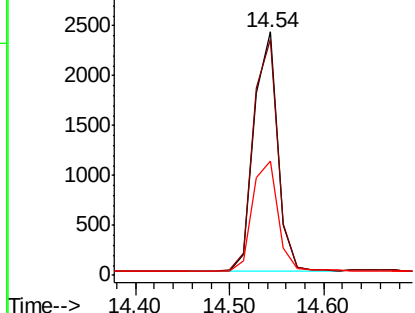
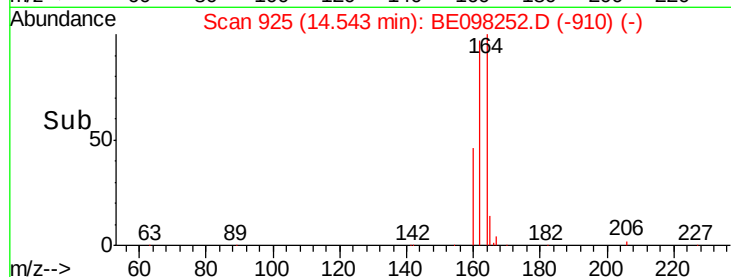
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4204
Ion Ratio Lower Upper
164 100
162 97.0 81.8 122.6
160 46.9 39.4 59.0

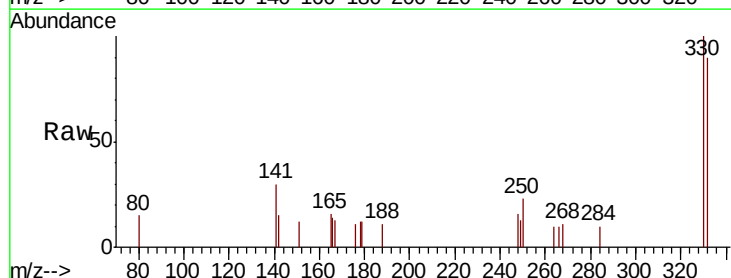


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

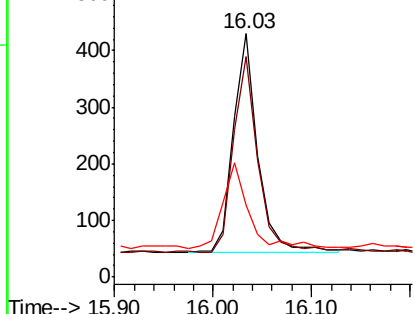
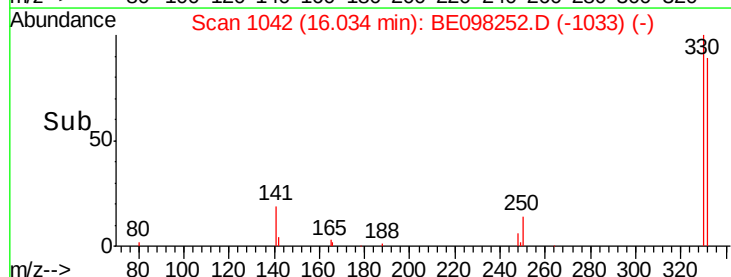


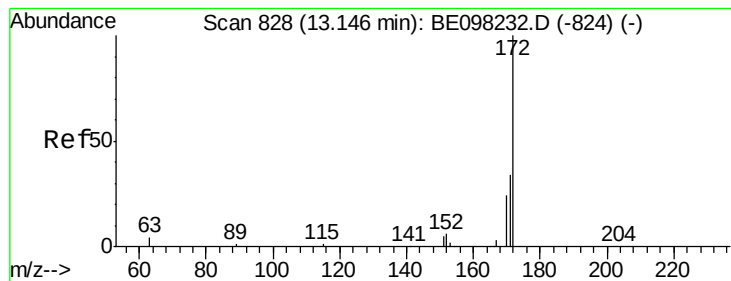
#14
2,4,6-Tribromophenol
Concen: 0.492 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Tgt Ion:330 Resp: 666
Ion Ratio Lower Upper
330 100
332 91.7 77.7 116.5
141 41.4 33.6 50.4



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

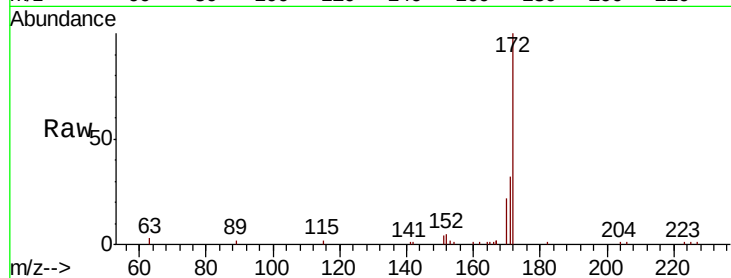




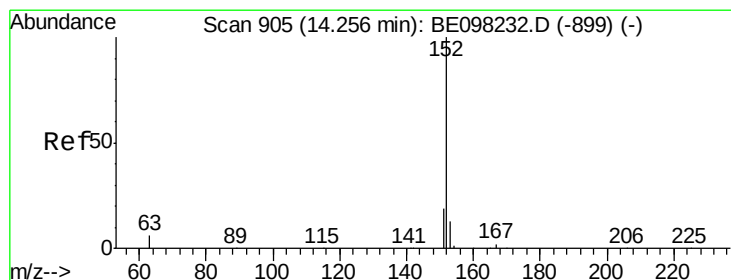
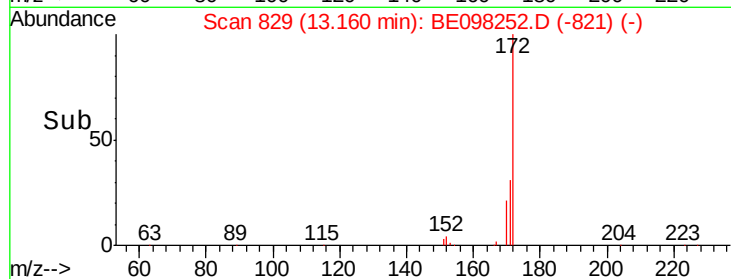
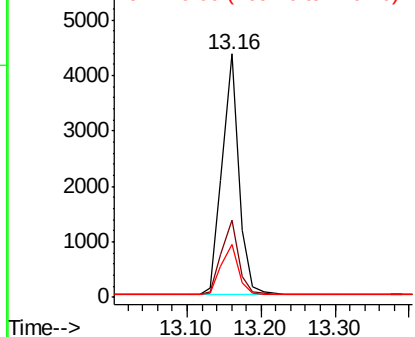
#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.01 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 6872
Ion Ratio Lower Upper
172 100
171 31.9 27.3 40.9
170 22.0 19.4 29.0

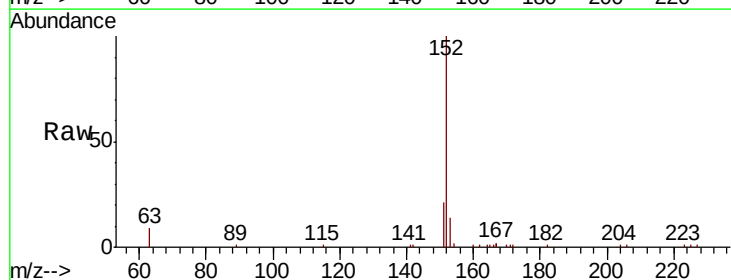


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

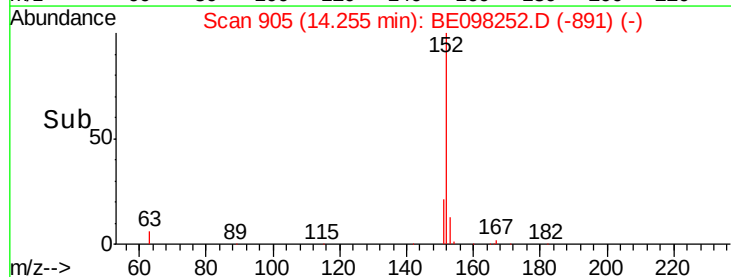
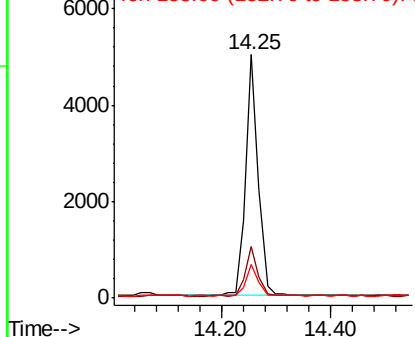


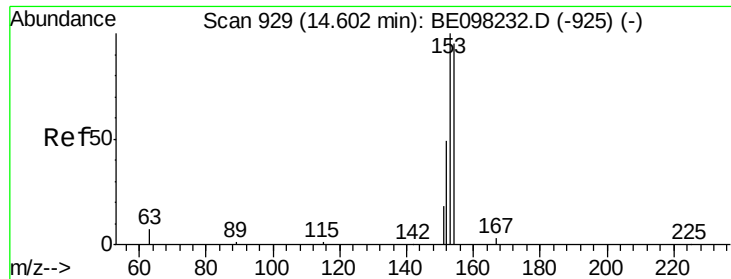
#16
Acenaphthylene
Concen: 0.397 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Tgt Ion:152 Resp: 7954
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 12.6 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

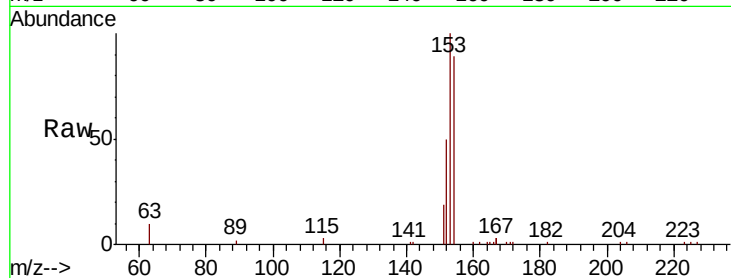




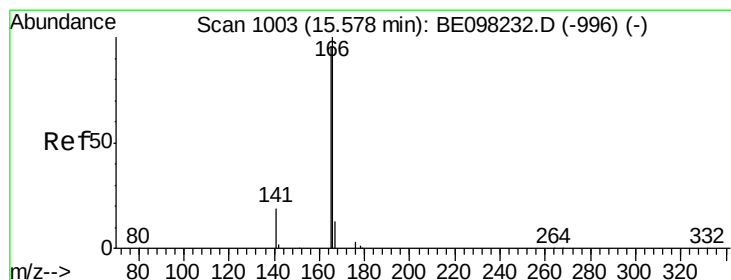
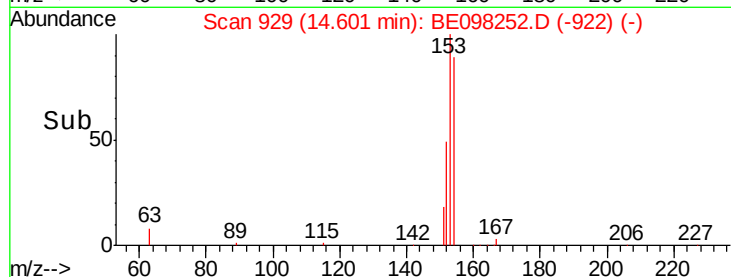
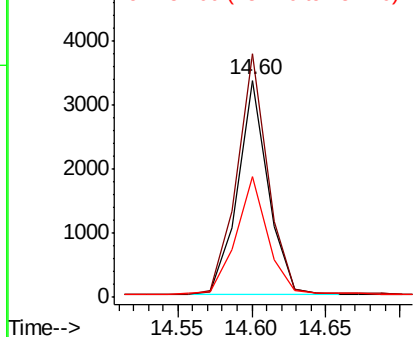
#17
Acenaphthene
Concen: 0.401 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4793
Ion Ratio Lower Upper
154 100
153 114.3 92.1 138.1
152 56.5 46.2 69.2

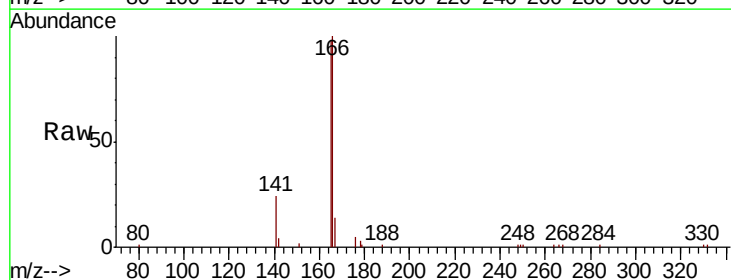


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

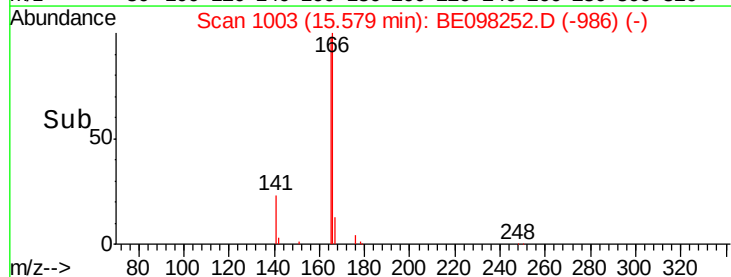
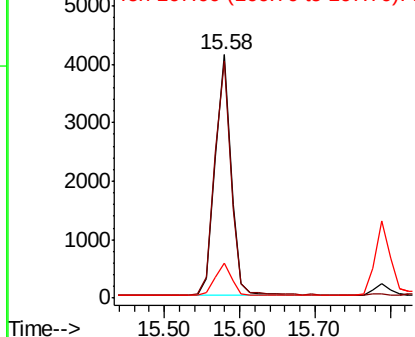


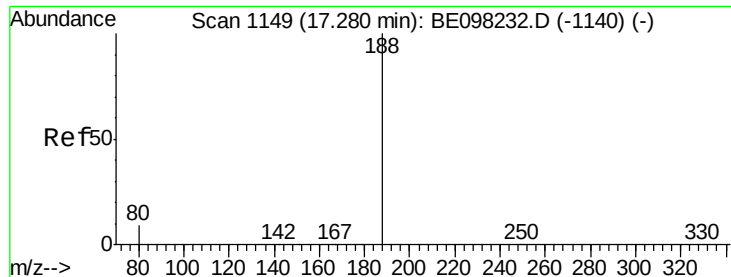
#18
Fluorene
Concen: 0.402 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Tgt Ion:166 Resp: 6127
Ion Ratio Lower Upper
166 100
165 99.0 80.1 120.1
167 13.7 10.8 16.2



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: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

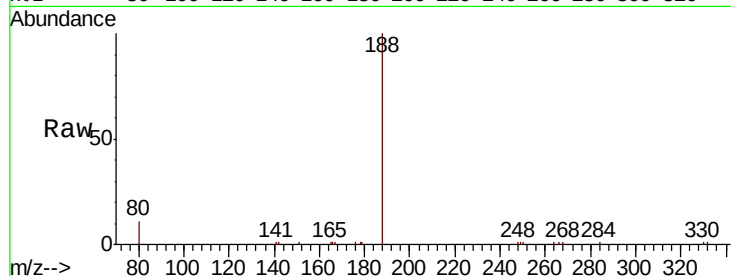
Tot Ion:188 Resp: 9771

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

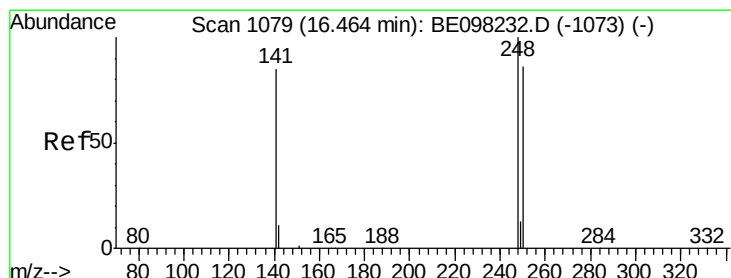
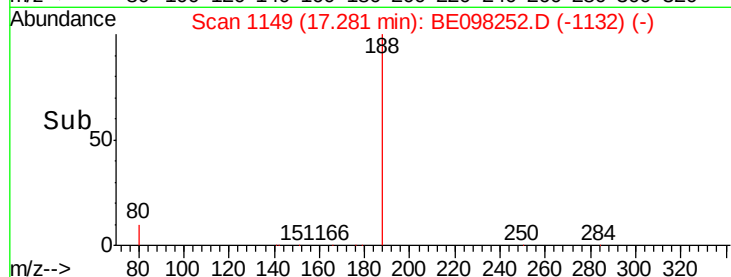
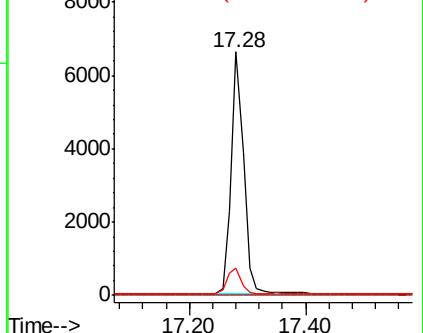
80 11.1 6.7 10.1#



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: 0.385 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

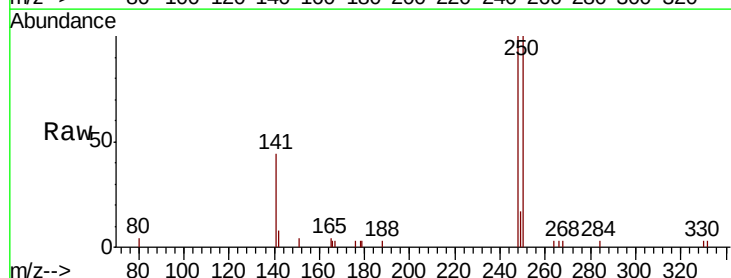
Tgt Ion:248 Resp: 2328

Ion Ratio Lower Upper

248 100

250 100.0 77.6 116.4

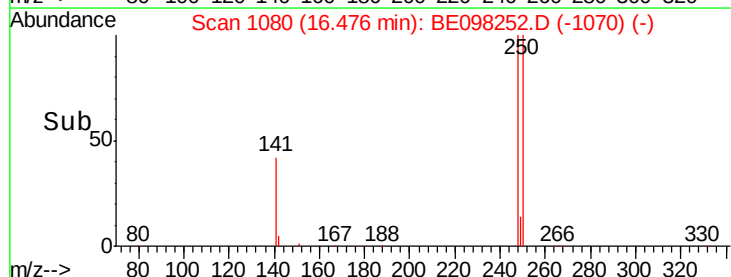
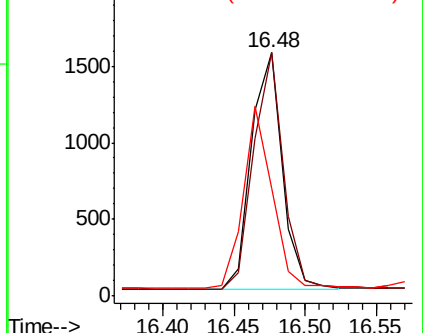
141 44.4 65.8 98.8#

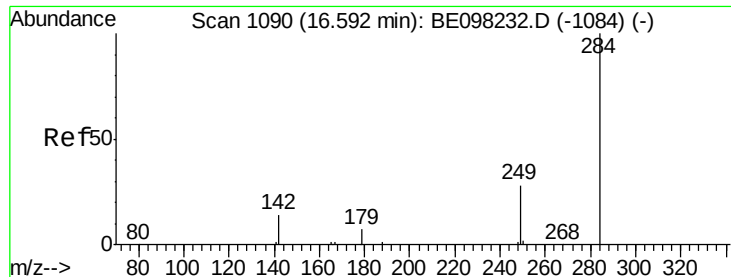


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.381 ng

RT: 16.59 min Scan# 1090

Delta R.T. 0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

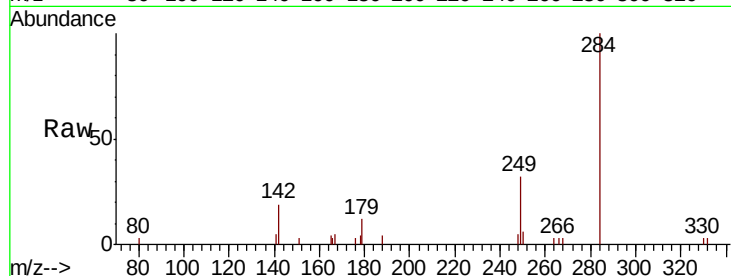
Tot Ion:284 Resp: 2380

Ion Ratio Lower Upper

284 100

142 35.7 26.5 39.7

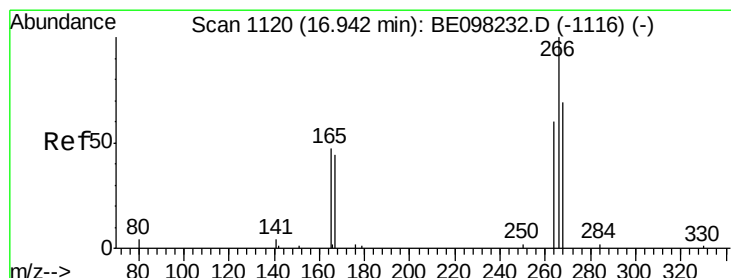
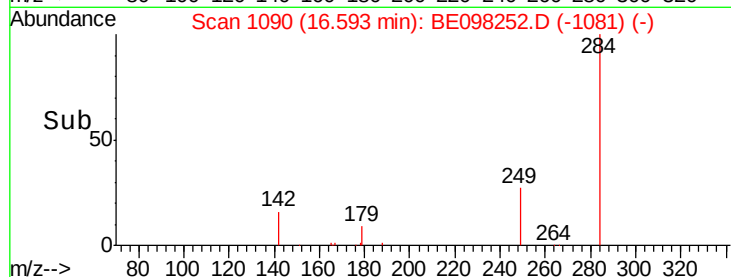
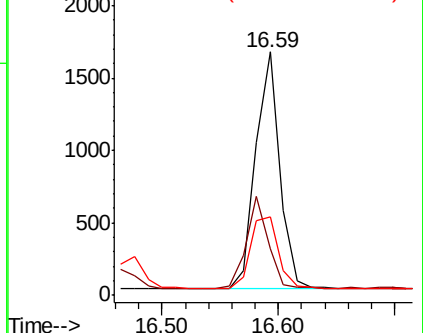
249 34.7 28.4 42.6



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: 0.485 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

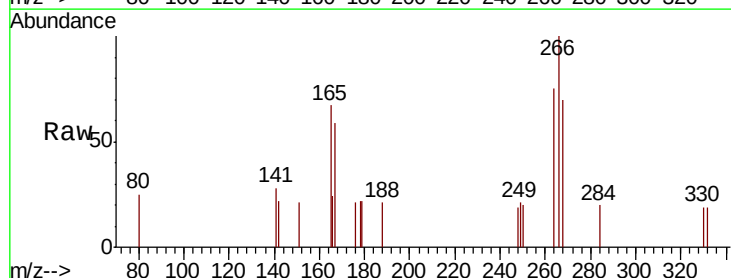
Tgt Ion:266 Resp: 469

Ion Ratio Lower Upper

266 100

264 74.8 57.6 86.4

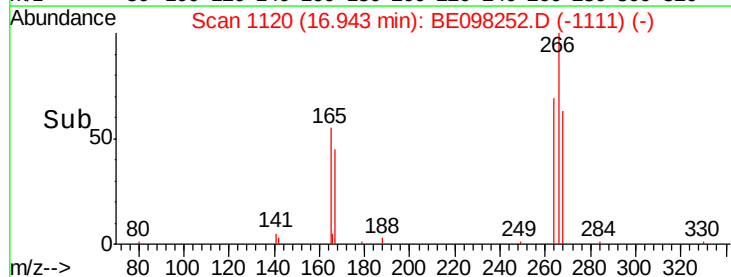
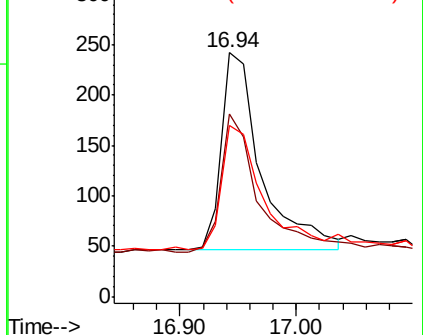
268 70.2 56.8 85.2

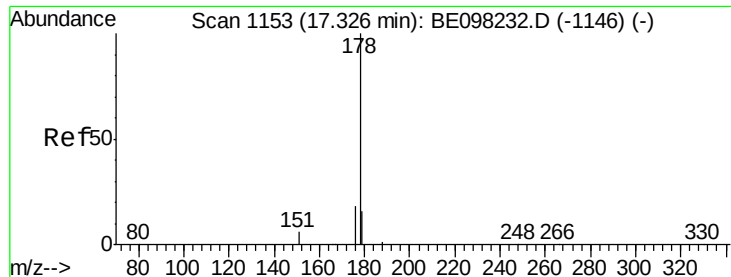


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.387 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

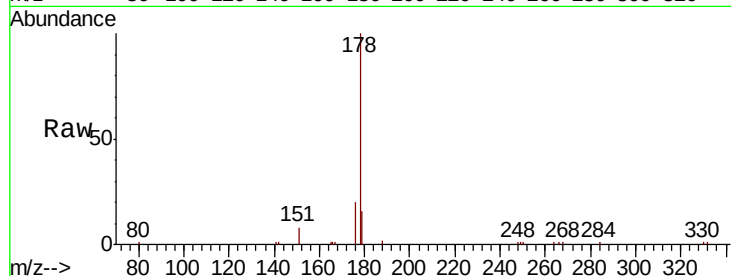
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 9717

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.4	12.3	18.5

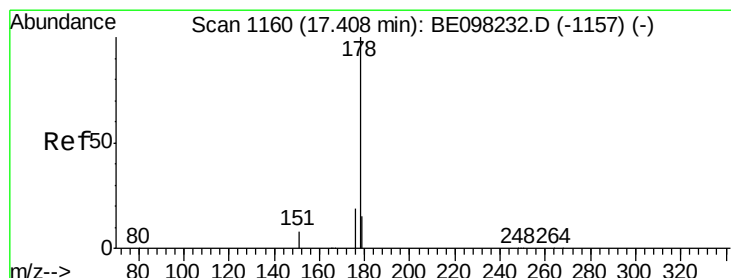
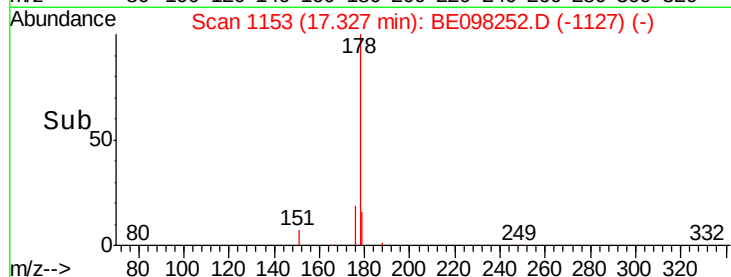
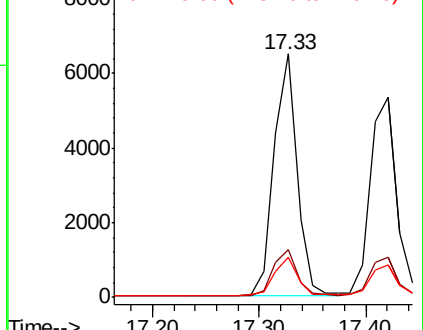


Abundance

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: 0.394 ng

RT: 17.42 min Scan# 1161

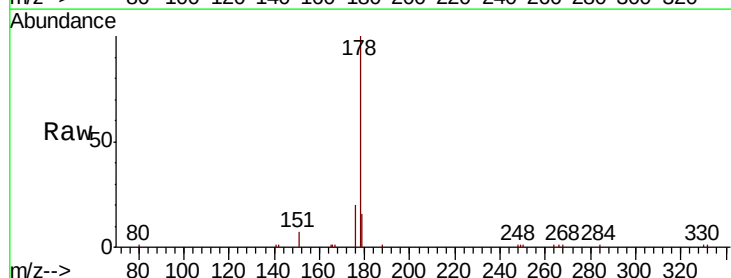
Delta R.T. 0.01 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Tgt Ion:178 Resp: 9001

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.2	12.1	18.1

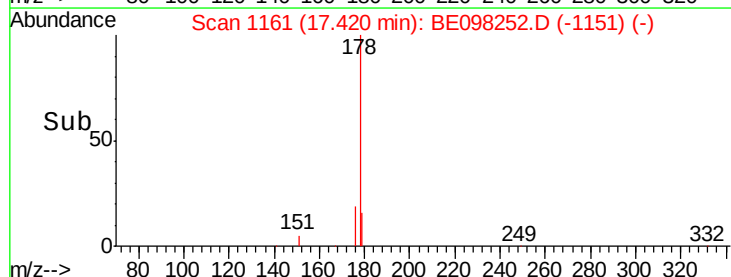
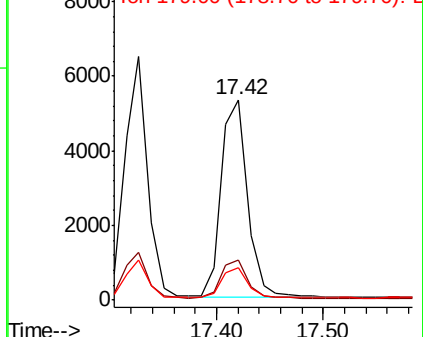


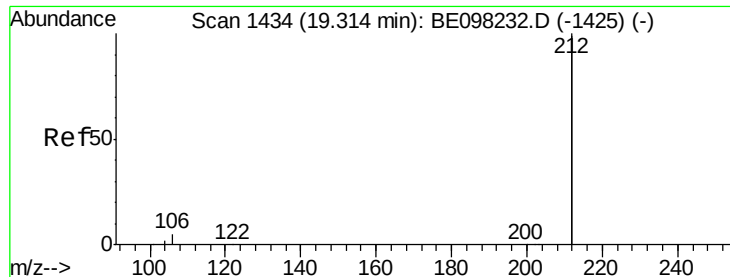
Abundance

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: 0.392 ng

RT: 19.31 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

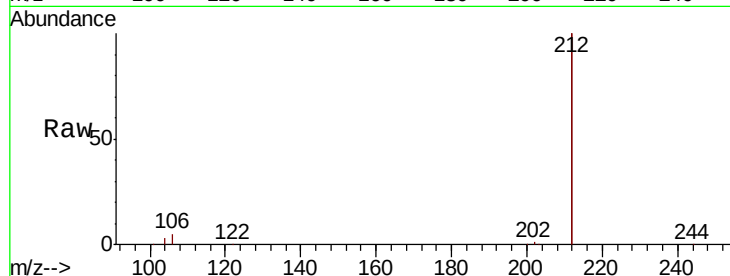
Tot Ion:212 Resp: 46596

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

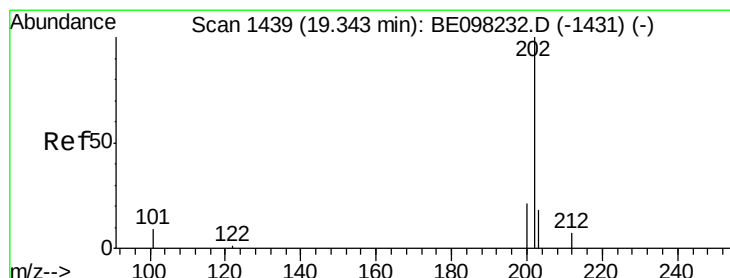
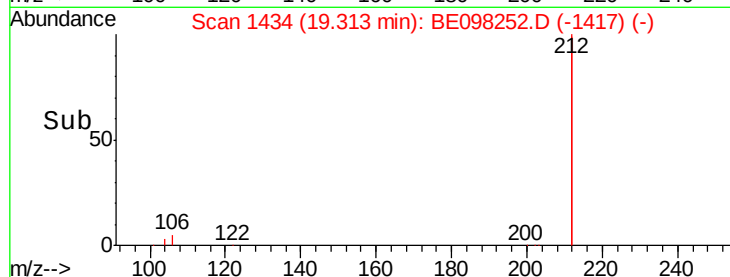
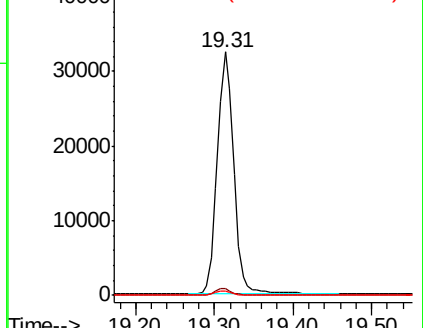
104 1.6 1.1 1.7



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: 0.392 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

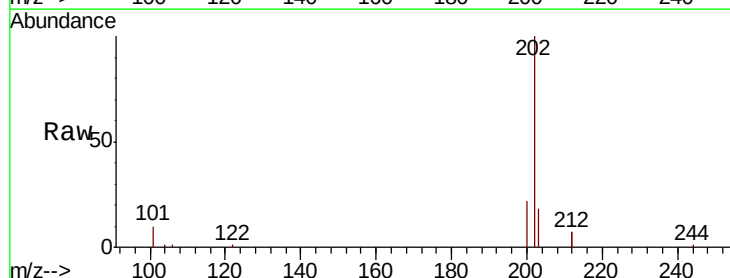
Tgt Ion:202 Resp: 11820

Ion Ratio Lower Upper

202 100

101 9.8 7.0 10.6

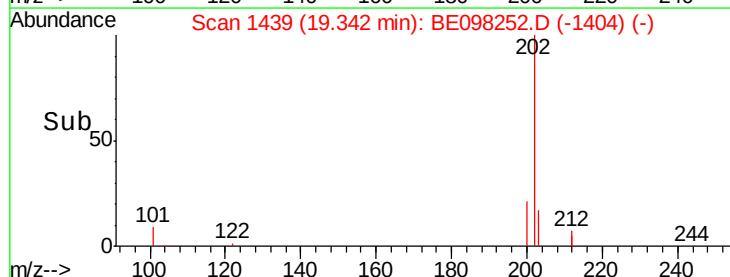
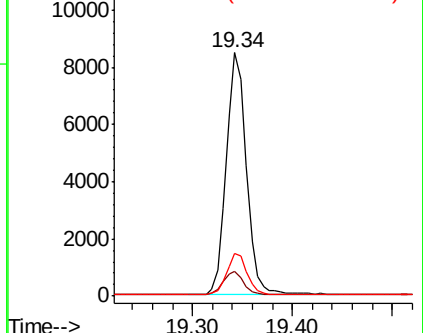
203 17.1 13.7 20.5

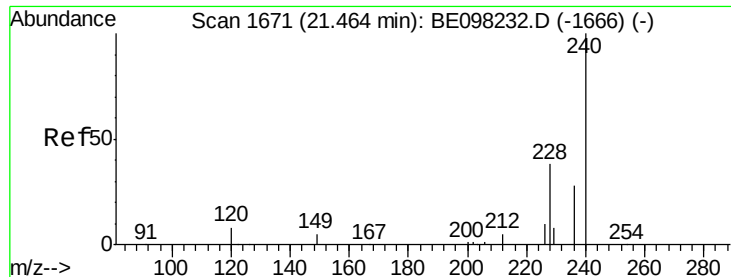


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

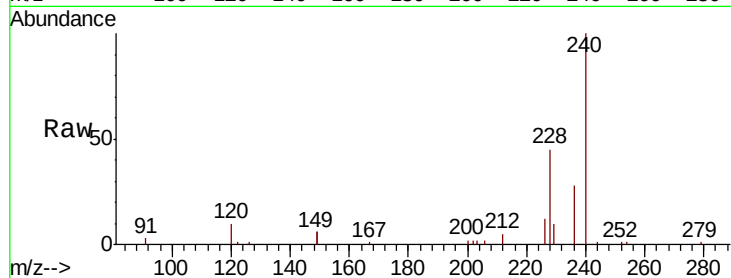
Tot Ion:240 Resp: 10839

Ion Ratio Lower Upper

240 100

120 10.3 4.8 7.2#

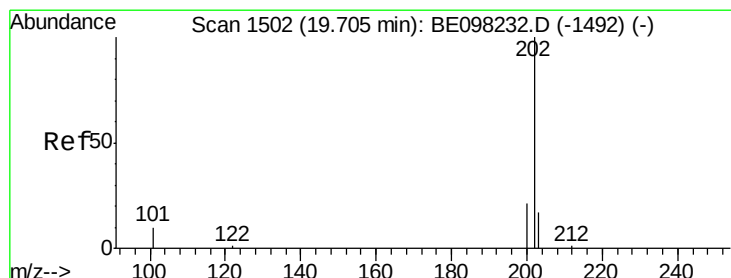
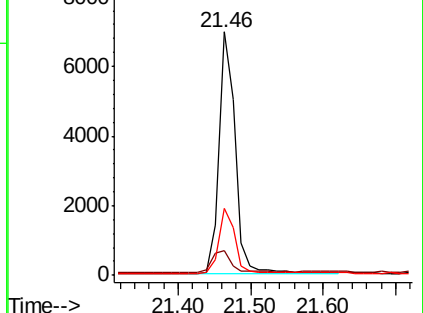
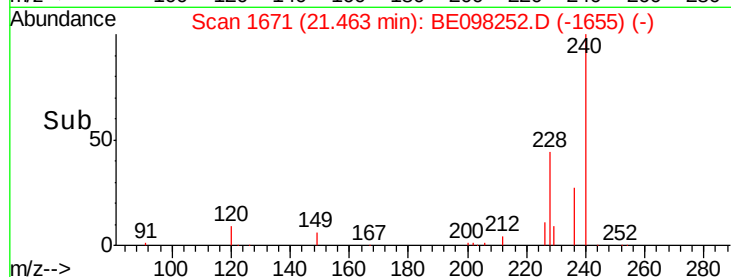
236 27.6 21.4 32.0



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: 0.382 ng

RT: 19.70 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

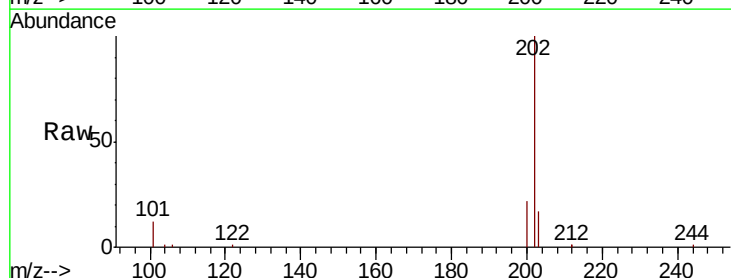
Tgt Ion:202 Resp: 12104

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

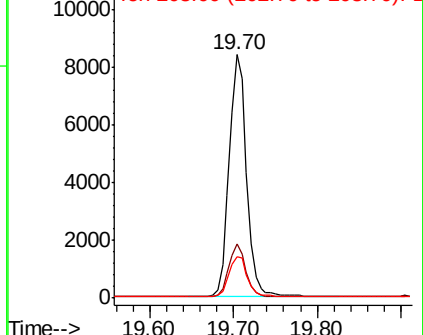
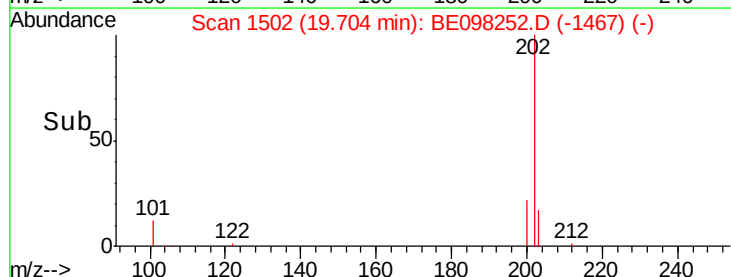
203 17.2 14.2 21.4

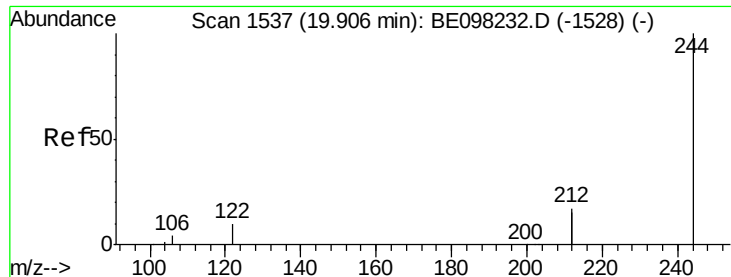


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.372 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :

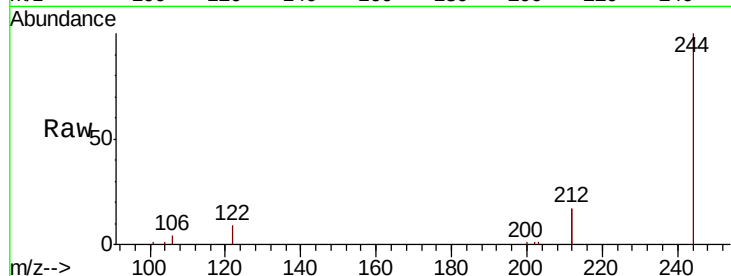
Tot Ion:244 Resp: 9258

Ion Ratio Lower Upper

244 100

212 33.3 26.8 40.2

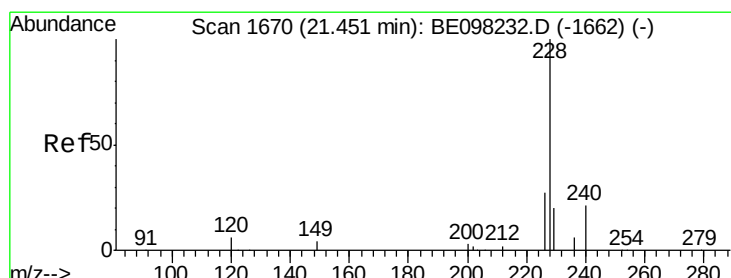
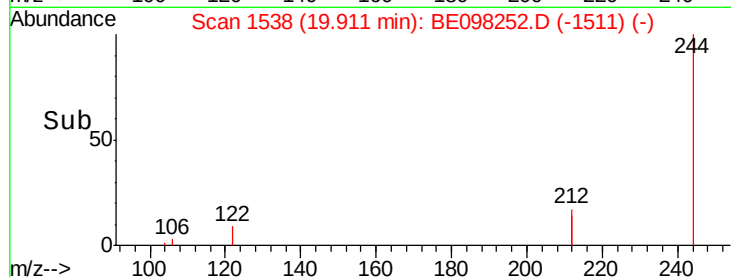
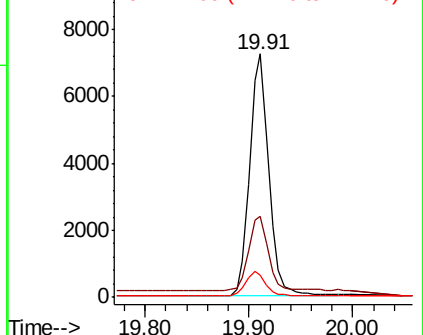
122 9.3 7.0 10.6



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: 0.389 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

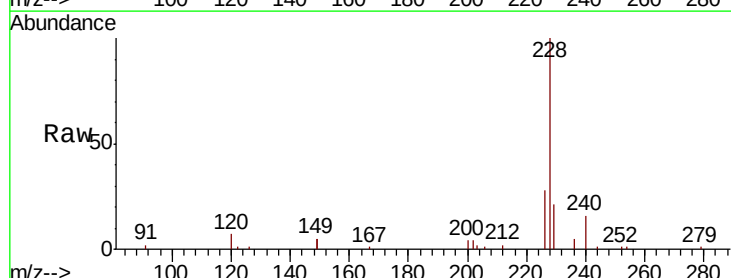
Tgt Ion:228 Resp: 12203

Ion Ratio Lower Upper

228 100

226 27.5 20.7 31.1

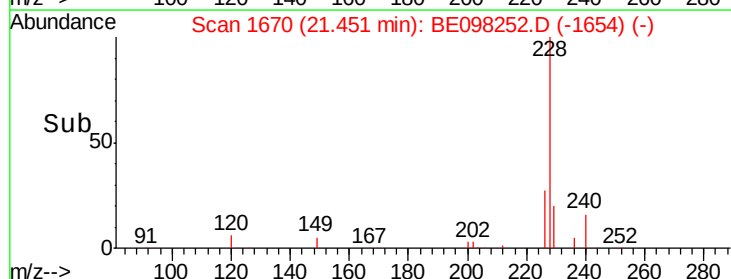
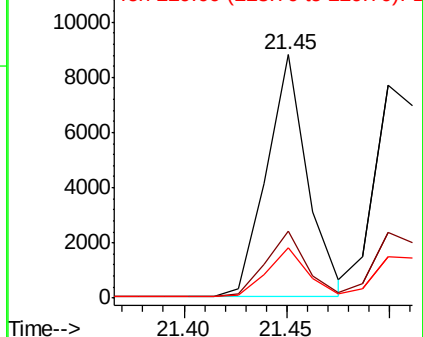
229 20.6 16.2 24.4

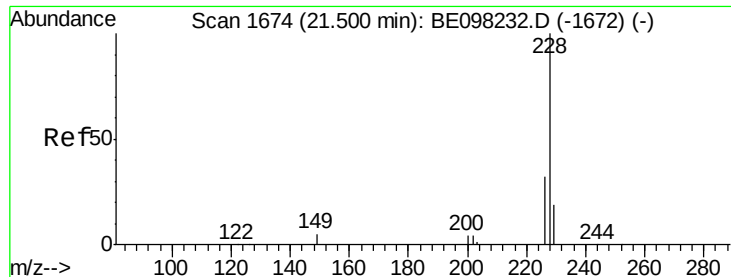


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

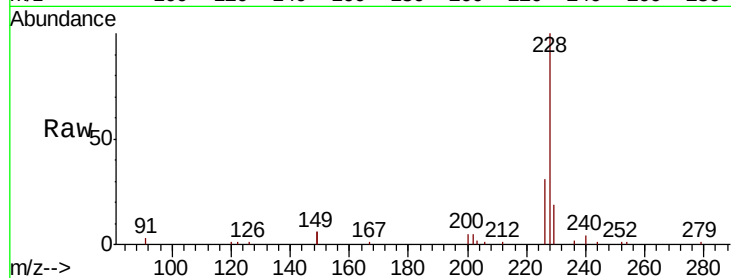




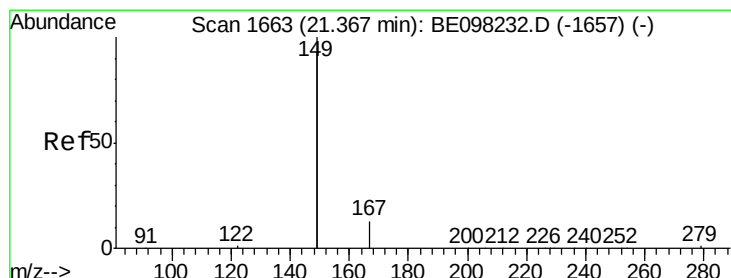
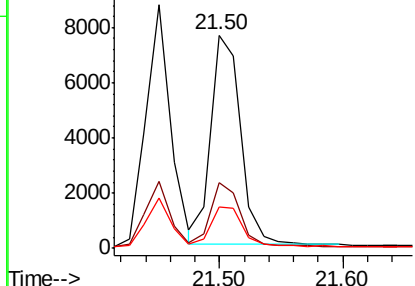
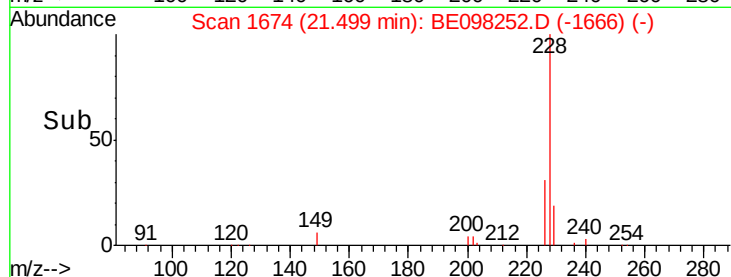
#31
 Chrysene
 Concen: 0.398 ng
 RT: 21.50 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: BE098252.D
 Acq: 19 Nov 2018 17:52

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 12834
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.6 36.8
 229 19.2 16.0 24.0

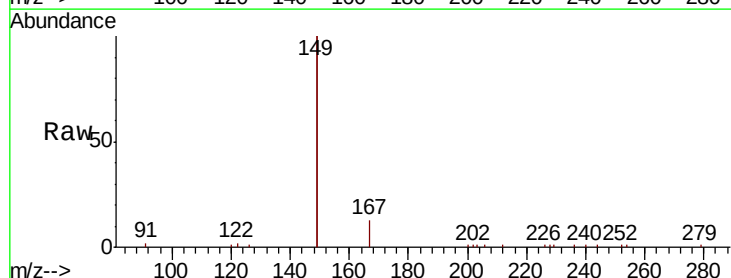


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

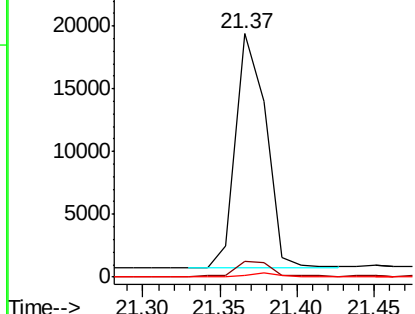
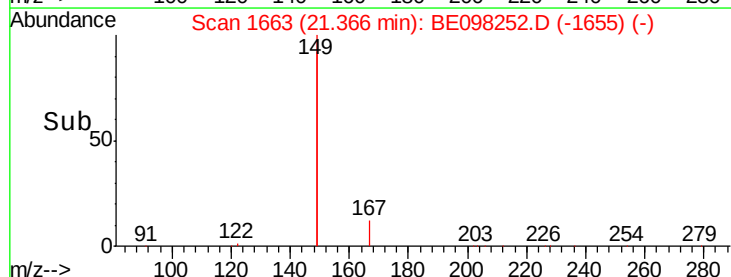


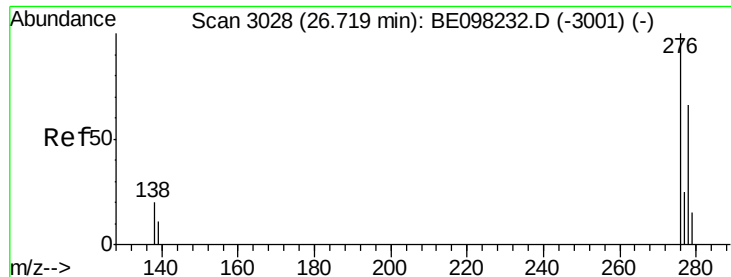
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.518 ng
 RT: 21.37 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: BE098252.D
 Acq: 19 Nov 2018 17:52

Tgt Ion:149 Resp: 25305
 Ion Ratio Lower Upper
 149 100
 167 7.2 5.6 8.4
 279 1.1 0.9 1.3



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

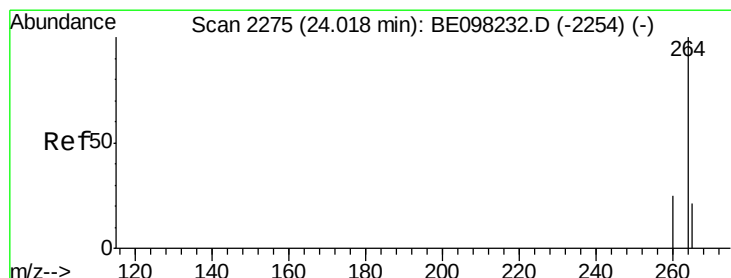
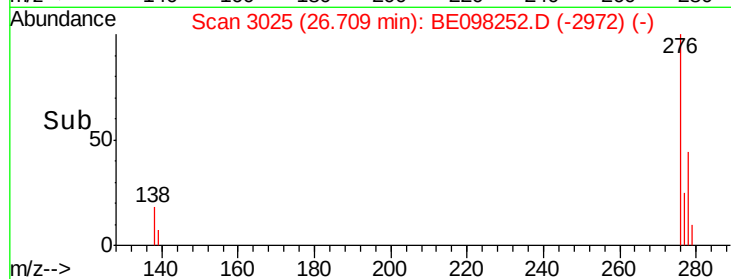
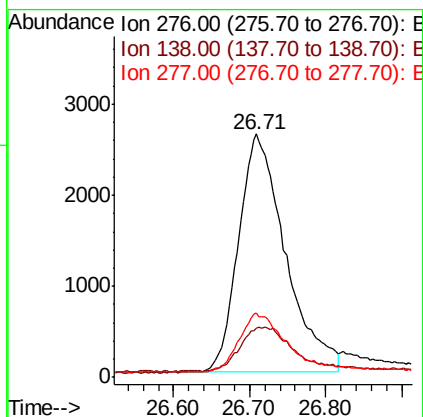
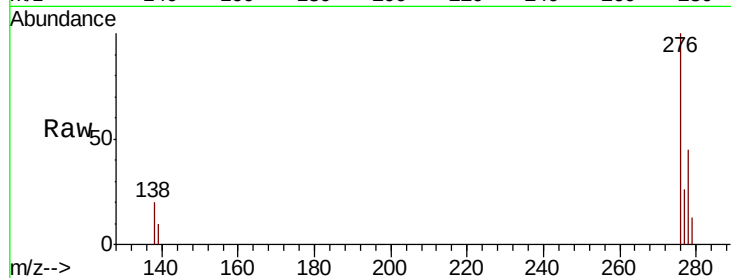




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.407 ng
 RT: 26.71 min Scan# 3025
 Delta R.T. -0.01 min
 Lab File: BE098252.D
 Acq: 19 Nov 2018 17:52

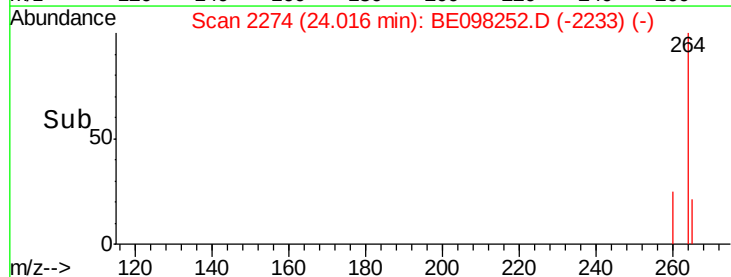
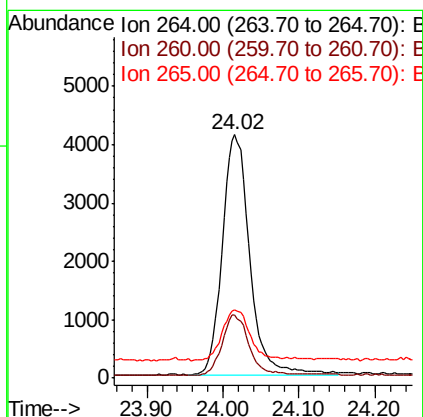
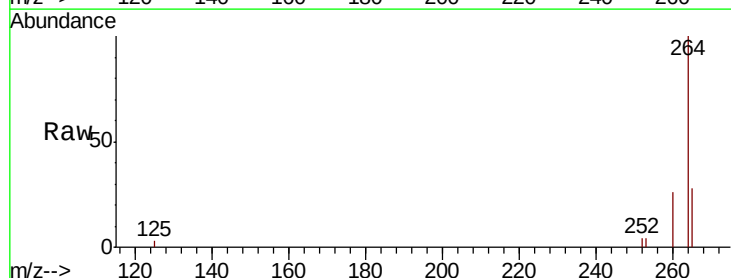
Instrument :
 BNA_E
 ClientSampleId :

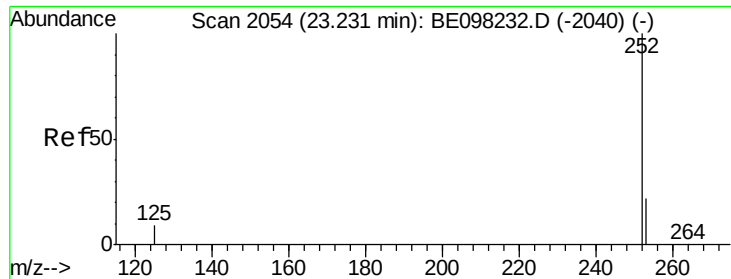
Tot Ion:276 Resp: 11230
 Ion Ratio Lower Upper
 276 100
 138 20.7 6.4 9.6#
 277 25.9 18.9 28.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.02 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: BE098252.D
 Acq: 19 Nov 2018 17:52

Tgt Ion:264 Resp: 10275
 Ion Ratio Lower Upper
 264 100
 260 25.8 19.9 29.9
 265 27.9 21.3 31.9

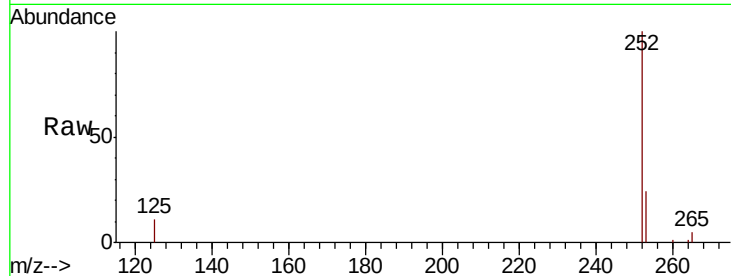




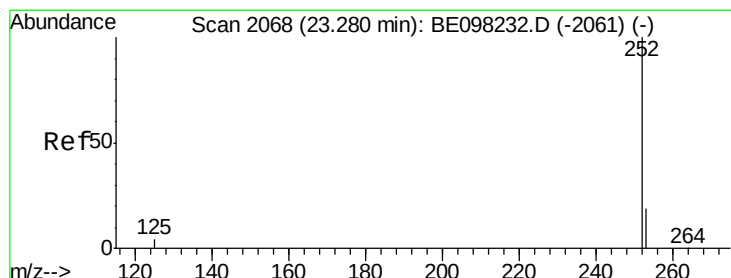
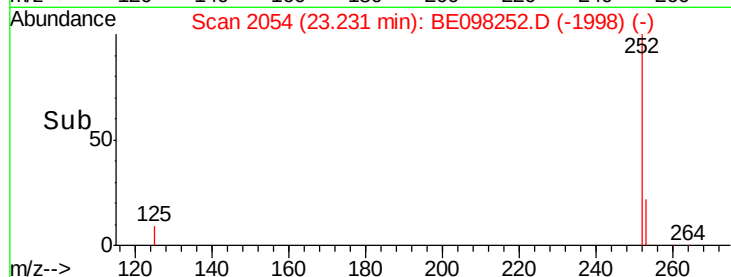
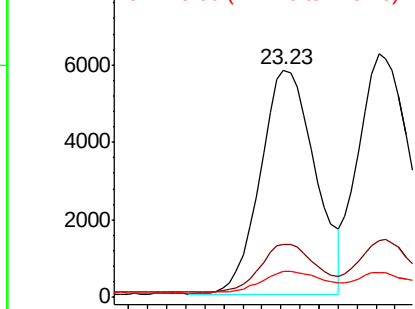
#35
Benzo(b)fluoranthene
Concen: 0.397 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 11527
Ion Ratio Lower Upper
252 100
253 23.5 19.4 29.0
125 11.3 8.6 12.8

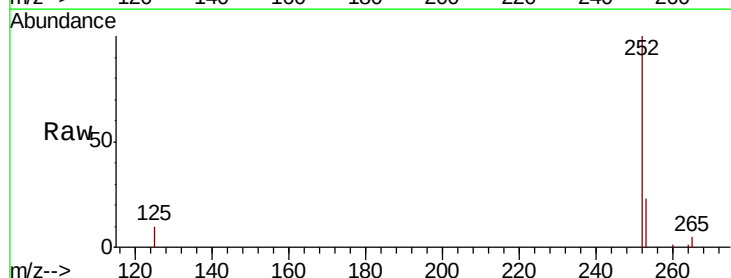


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

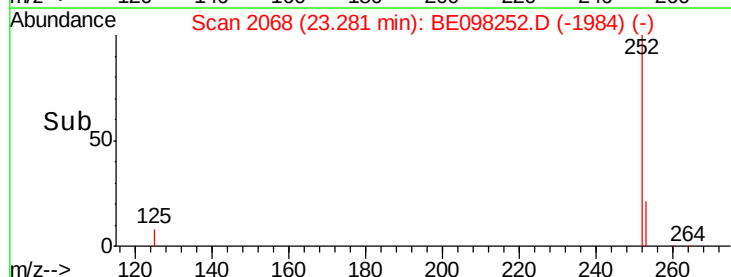
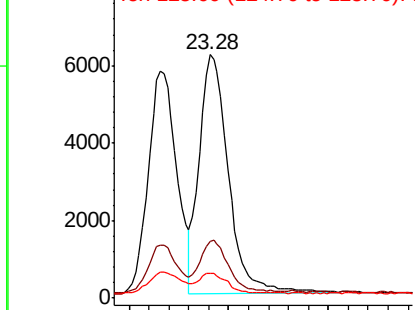


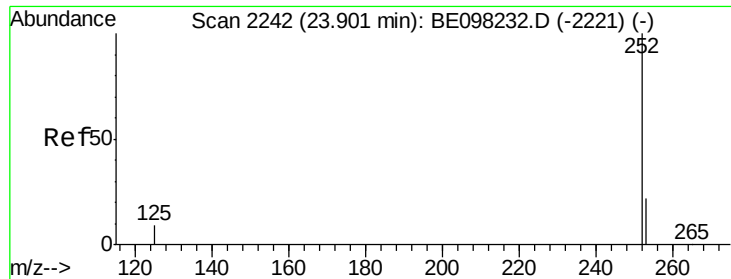
#36
Benzo(k)fluoranthene
Concen: 0.382 ng
RT: 23.28 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Tgt Ion:252 Resp: 12525
Ion Ratio Lower Upper
252 100
253 23.2 18.6 28.0
125 10.1 7.4 11.0



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

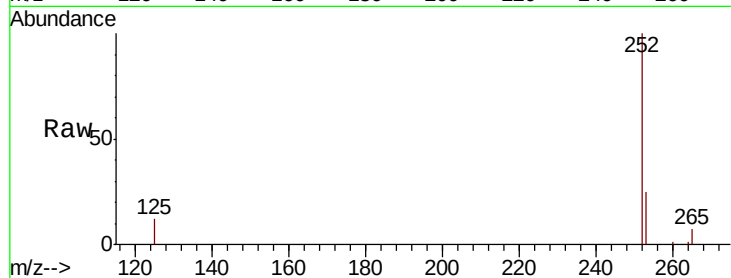




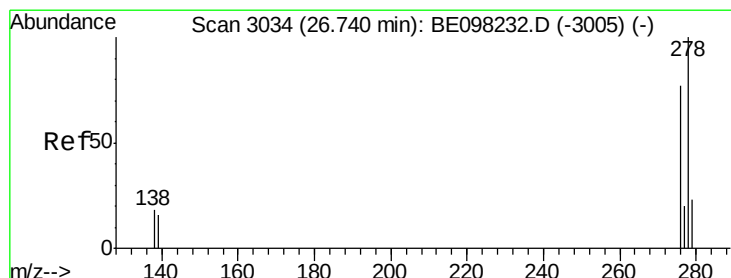
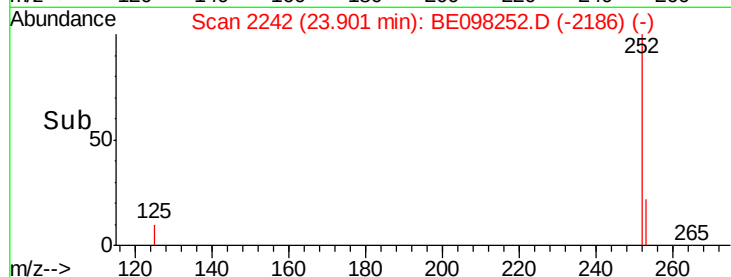
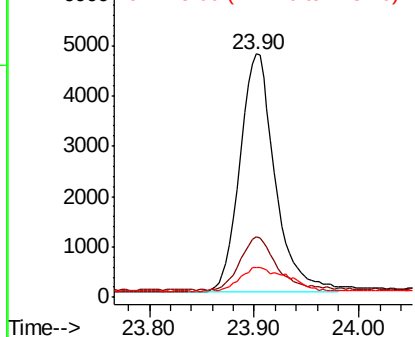
#37
Benzo(a)pyrene
Concen: 0.389 ng
RT: 23.90 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 11083
Ion Ratio Lower Upper
252 100
253 24.9 18.6 27.8
125 12.2 8.0 12.0#

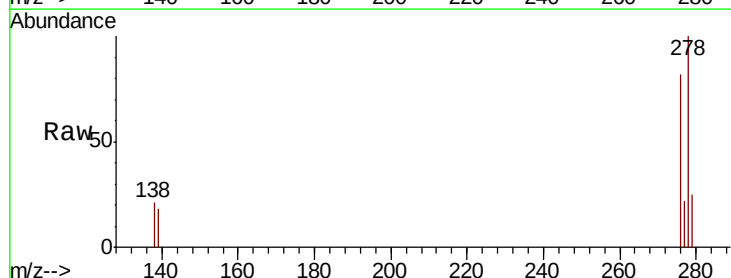


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

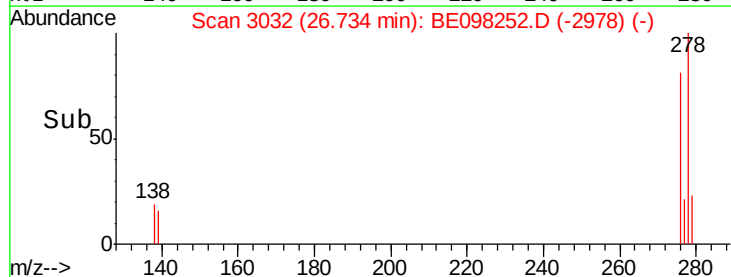
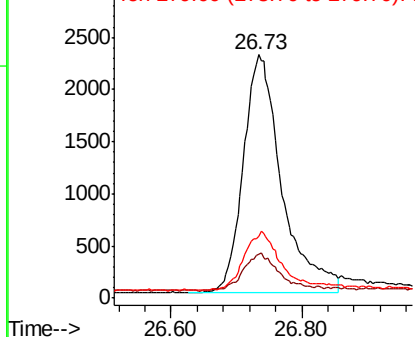


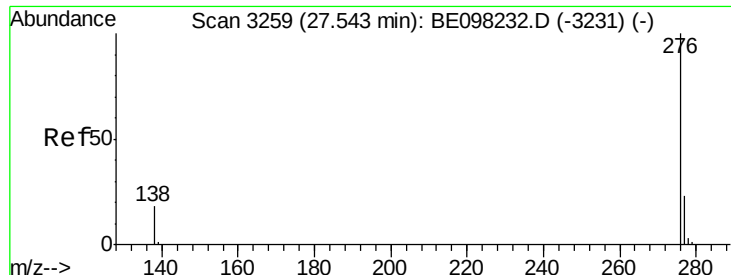
#38
Dibenzo(a,h)anthracene
Concen: 0.410 ng
RT: 26.73 min Scan# 3032
Delta R.T. -0.01 min
Lab File: BE098252.D
Acq: 19 Nov 2018 17:52

Tgt Ion:278 Resp: 9373
Ion Ratio Lower Upper
278 100
139 18.1 16.4 24.6
279 25.5 21.3 31.9



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: 0.414 ng

RT: 27.54 min Scan# 3257

Delta R.T. -0.01 min

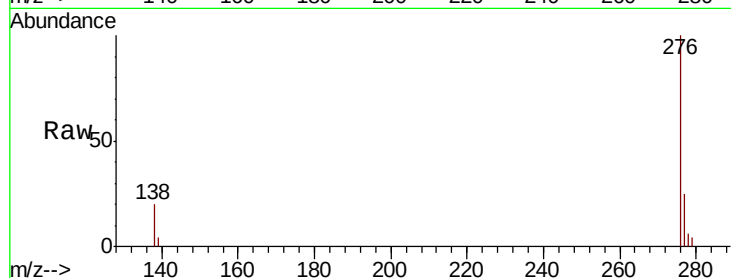
Lab File: BE098252.D

Acq: 19 Nov 2018 17:52

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 10173

Ion Ratio Lower Upper

276 100

277 25.5 20.4 30.6

138 19.9 13.2 19.8#

