

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031519\
 Data File : BE098971.D
 Acq On : 15 Mar 2019 13:29
 Operator : JU/SJ
 Sample : K1882-10MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 15 14:29:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 05:31:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	858	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3674	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2370	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	5891	0.40	ng	0.00
27) Chrysene-d12	21.39	240	7003	0.40	ng	-0.01
34) Perylene-d12	23.89	264	6493	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	368	0.14	ng	0.01
5) Phenol-d6	7.01	99	286	0.08	ng	0.02
8) Nitrobenzene-d5	8.98	82	1490	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	12.19	152	3073	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	487	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4890	0.50	ng	0.00
25) Fluoranthene-d10	19.24	212	32214	0.34	ng	0.00
29) Terphenyl-d14	19.84	244	7375	0.43	ng	0.00

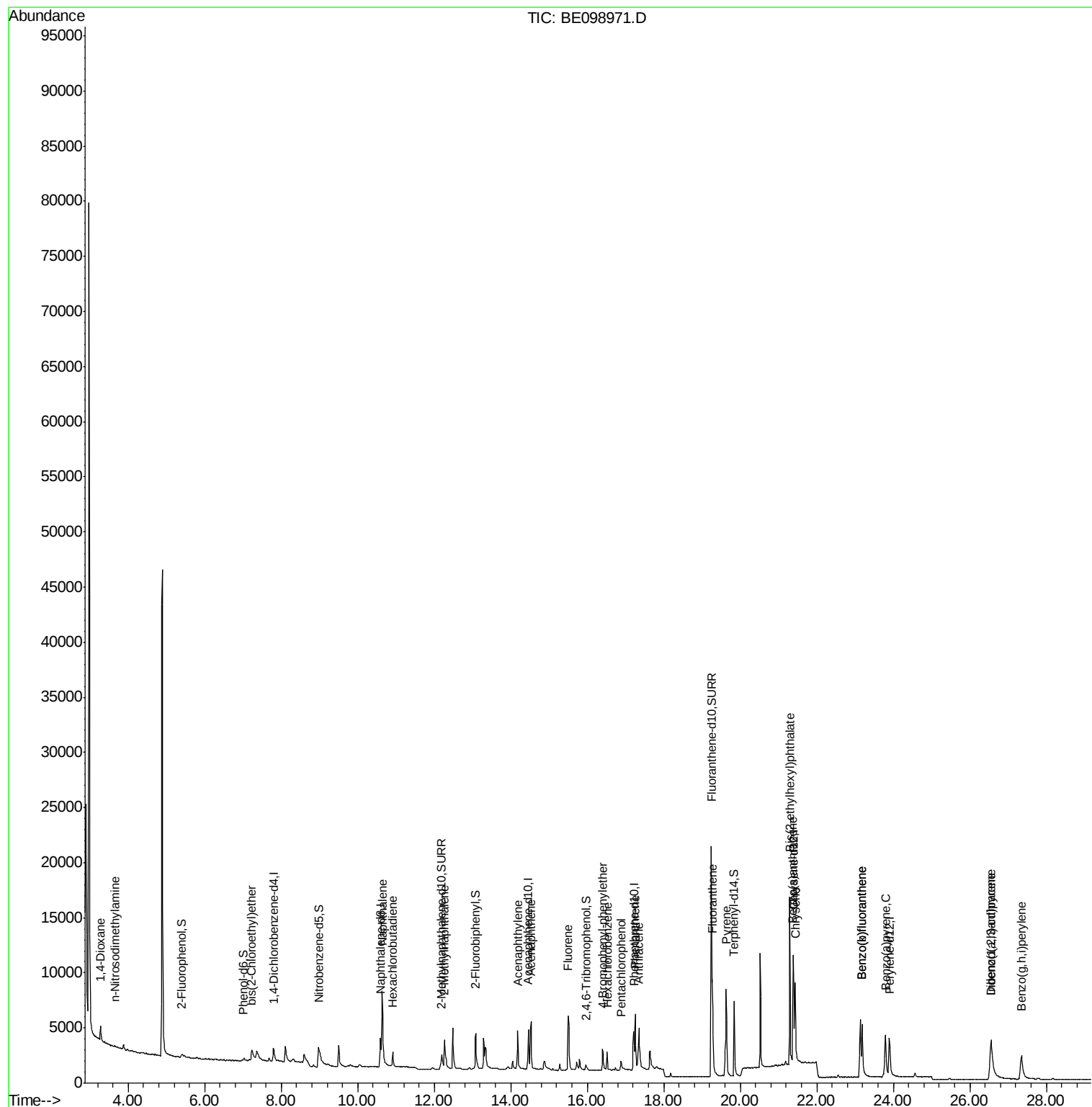
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	804	0.504	ng	# 76
3) n-Nitrosodimethylamine	3.66	42	174	0.081	ng	# 88
6) bis(2-Chloroethyl)ether	7.23	93	719	0.257	ng	# 60
9) Naphthalene	10.64	128	16051	0.381	ng	99
10) Hexachlorobutadiene	10.91	225	901	0.324	ng	98
12) 2-Methylnaphthalene	12.27	142	2604	0.382	ng	99
16) Acenaphthylene	14.18	152	4424	0.363	ng	99
17) Acenaphthene	14.53	154	2700	0.373	ng	98
18) Fluorene	15.50	166	3789	0.363	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1250	0.392	ng	# 78
21) Hexachlorobenzene	16.52	284	1410	0.371	ng	97
22) Pentachlorophenol	16.88	266	737	0.835	ng	86
23) Phenanthrene	17.25	178	6258	0.374	ng	99
24) Anthracene	17.35	178	5031	0.352	ng	99
26) Fluoranthene	19.28	202	8270	0.350	ng	100
28) Pyrene	19.63	202	8542	0.399	ng	100
30) Benzo(a)anthracene	21.38	228	7434	0.340	ng	98
31) Chrysene	21.44	228	8853	0.379	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	16110	0.346	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	7333	0.297	ng	99
35) Benzo(b)fluoranthene	23.18	252	8896	0.417	ng	96
36) Benzo(k)fluoranthene	23.18	252	9127	0.408	ng	98
37) Benzo(a)pyrene	23.80	252	8079	0.395	ng	# 92
38) Dibenzo(a,h)anthracene	26.56	278	2038	0.105	ng	# 95
39) Benzo(g,h,i)perylene	27.35	276	7046	0.348	ng	96

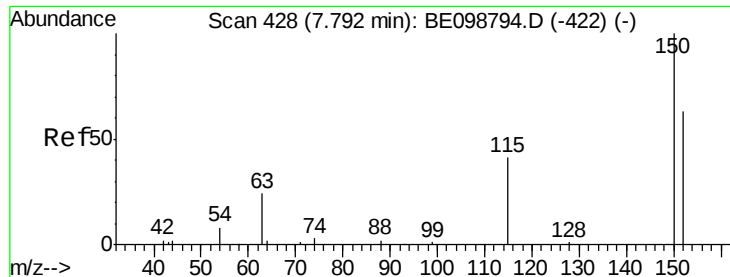
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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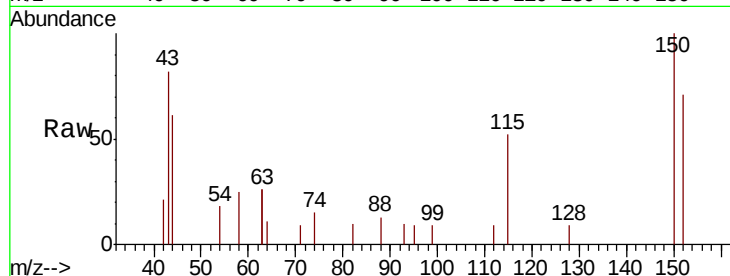


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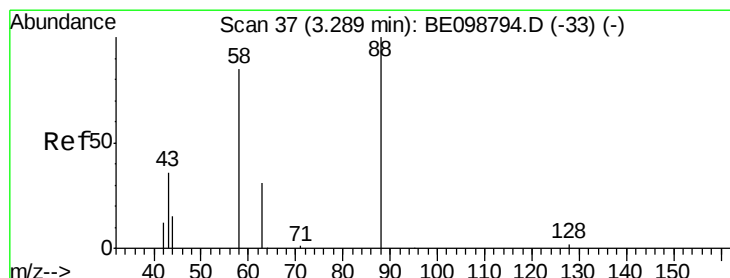
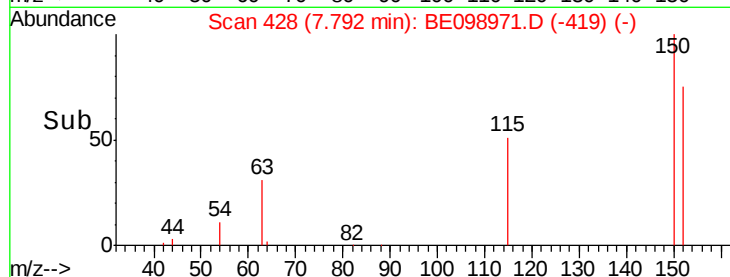
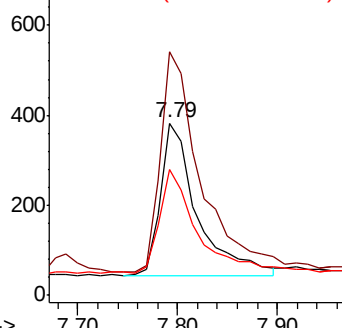
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 858
Ion Ratio Lower Upper
152 100
150 141.6 122.5 183.7
115 73.3 57.4 86.2



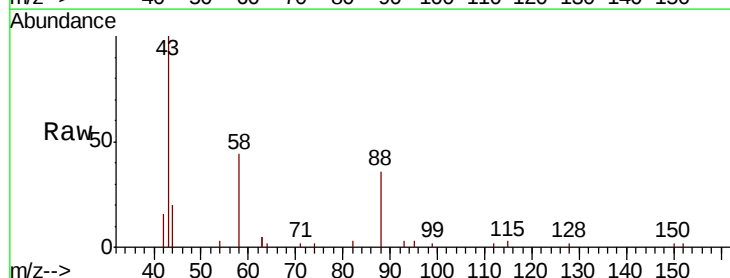
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



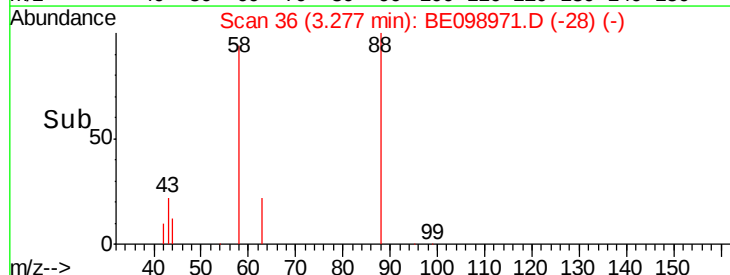
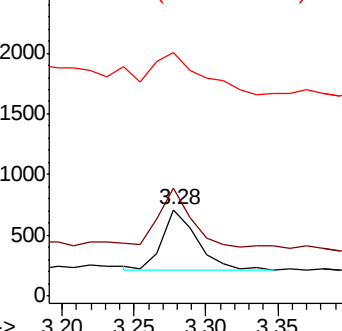
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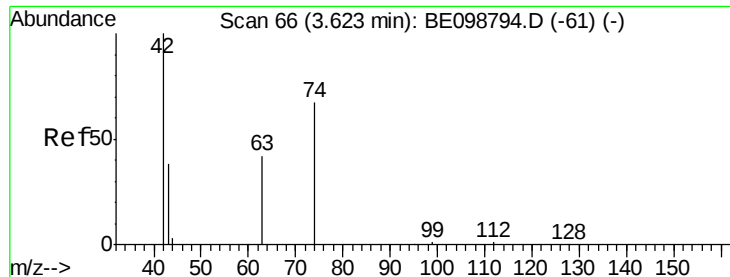
1,4-Dioxane
Concen: 0.504 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Tgt Ion: 88 Resp: 804
Ion Ratio Lower Upper
88 100
58 97.5 75.8 113.6
43 95.5 41.8 62.8#



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



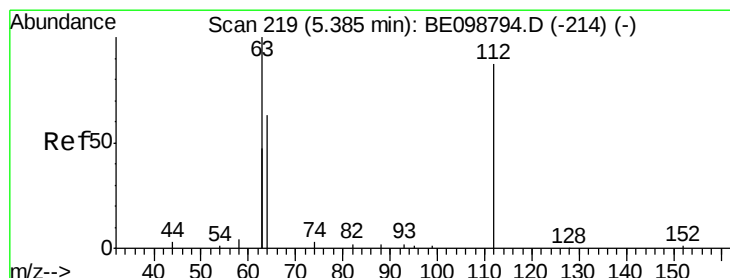
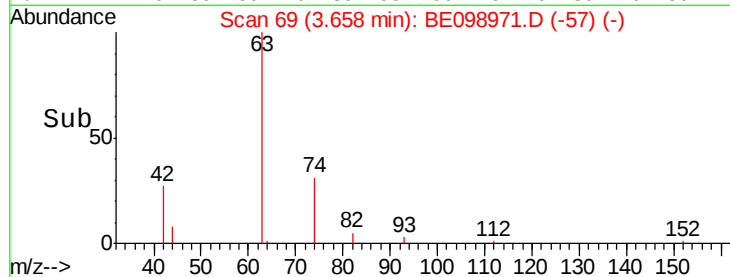
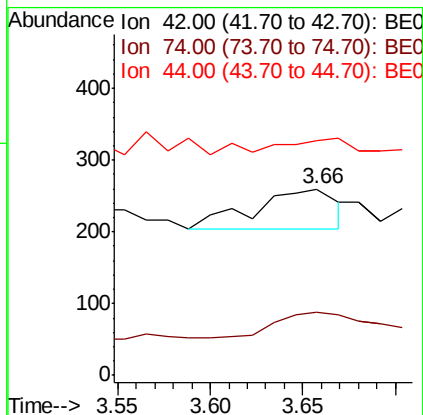
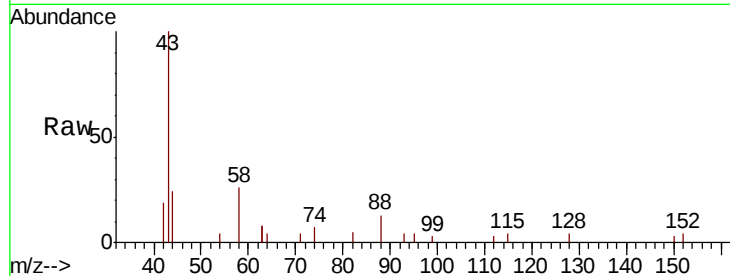


#3

n-Nitrosodimethylamine
 Concen: 0.081 ng
 RT: 3.66 min Scan# 69
 Delta R.T. 0.03 min
 Lab File: BE098971.D
 Acq: 15 Mar 2019 13:29

Instrument :
 BNA_E
 ClientSampleId :

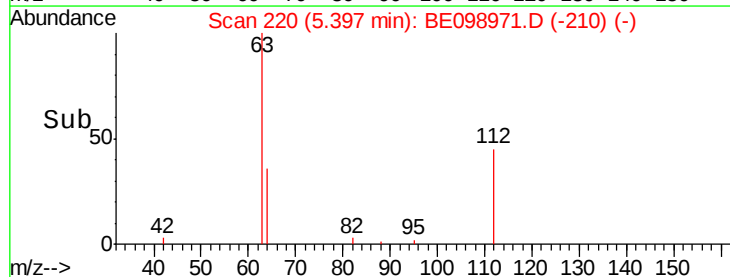
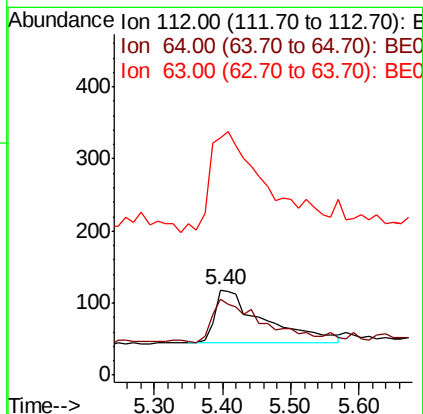
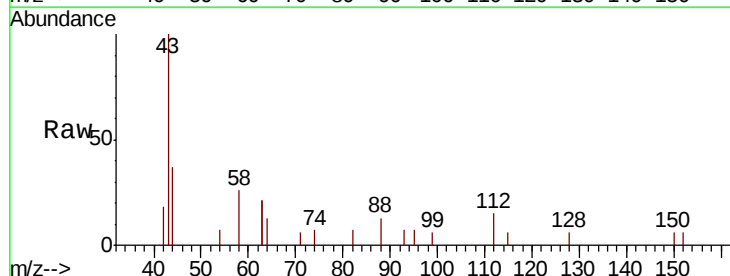
Tot Ion: 42 Resp: 174
 Ion Ratio Lower Upper
 42 100
 74 60.9 57.0 85.4
 44 24.1 0.0 0.0#

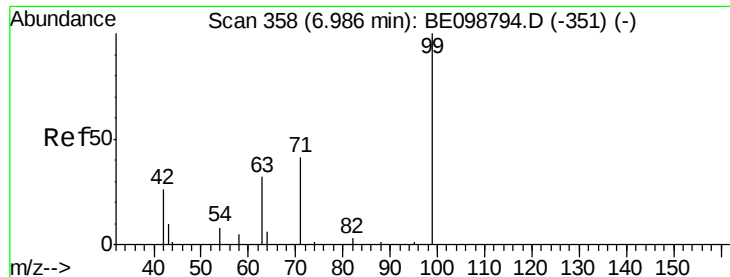


#4

2-Fluorophenol
 Concen: 0.143 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE098971.D
 Acq: 15 Mar 2019 13:29

Tgt Ion: 112 Resp: 368
 Ion Ratio Lower Upper
 112 100
 64 85.1 57.9 86.9
 63 224.2 158.3 237.5





#5

Phenol-d6

Concen: 0.079 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampled :

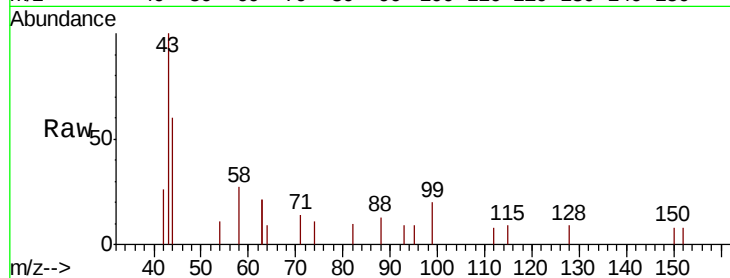
Tot Ion: 99 Resp: 286

Ion Ratio Lower Upper

99 100

42 38.8 24.2 36.2#

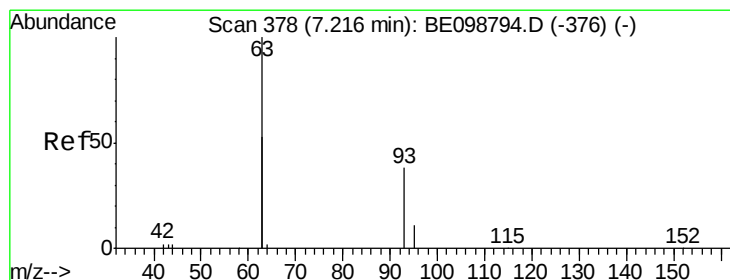
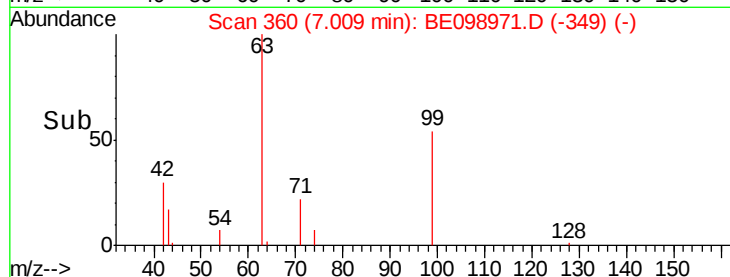
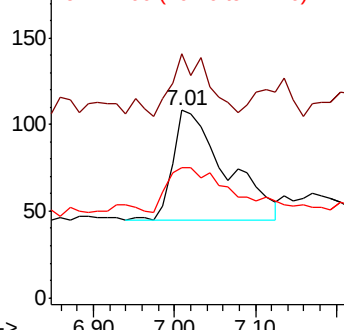
71 54.2 35.7 53.5#



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: 0.257 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

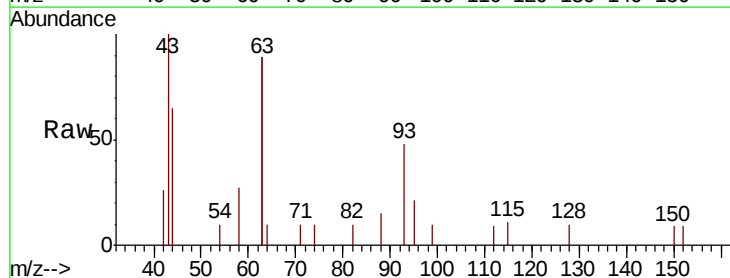
Tgt Ion: 93 Resp: 719

Ion Ratio Lower Upper

93 100

63 395.8 247.5 371.3#

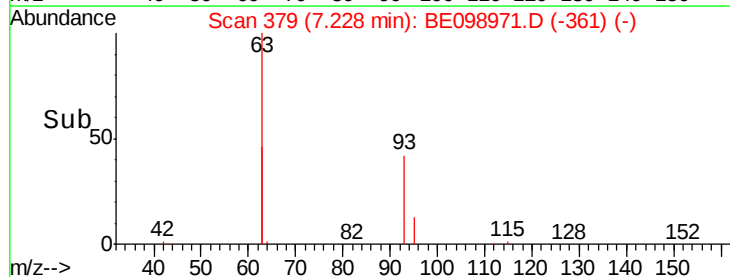
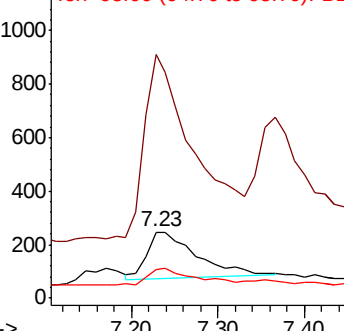
95 32.0 21.8 32.8

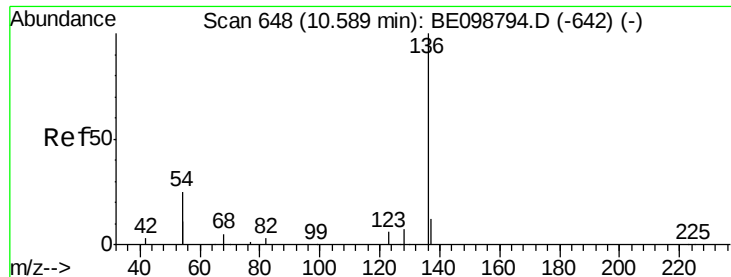


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3674

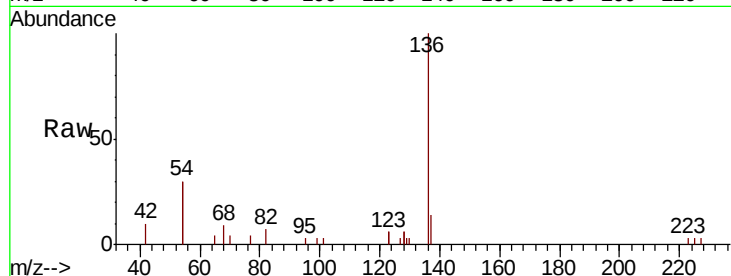
Ion Ratio Lower Upper

136 100

137 13.5 11.4 17.0

54 59.2 39.3 58.9#

68 8.6 6.7 10.1

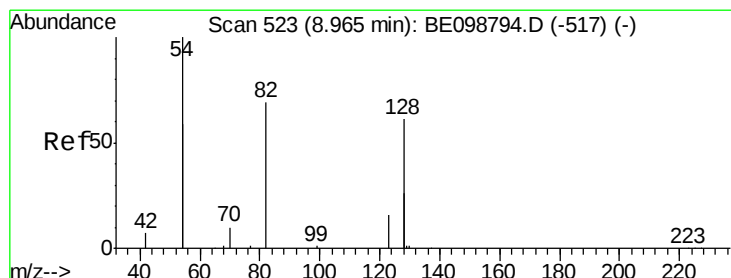
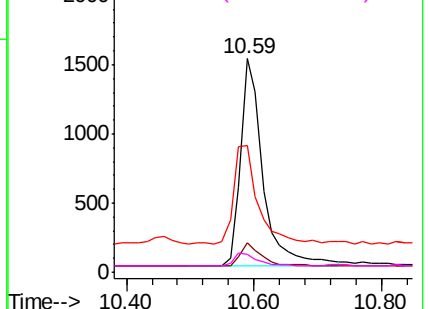
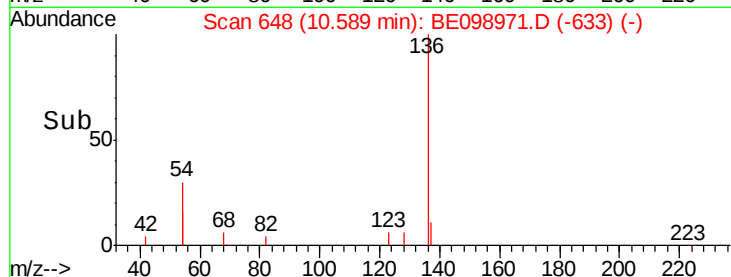


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.387 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

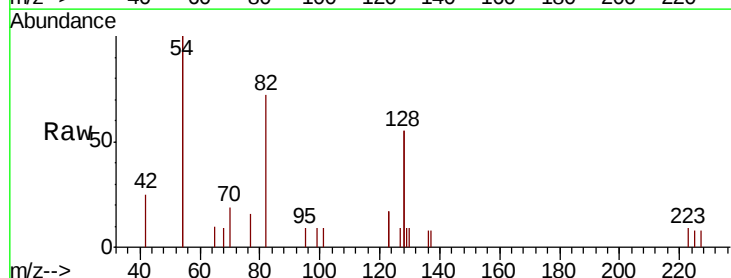
Tgt Ion: 82 Resp: 1490

Ion Ratio Lower Upper

82 100

128 153.4 123.8 185.8

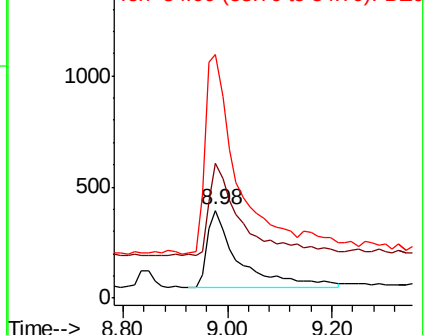
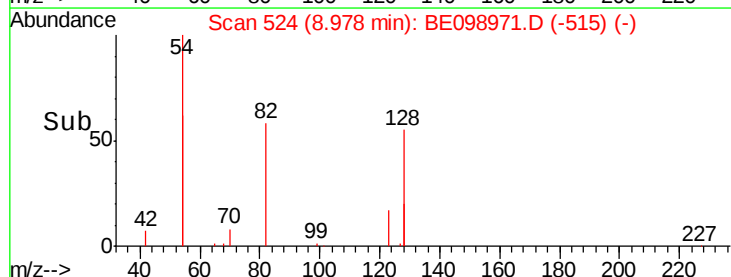
54 277.5 203.4 305.2

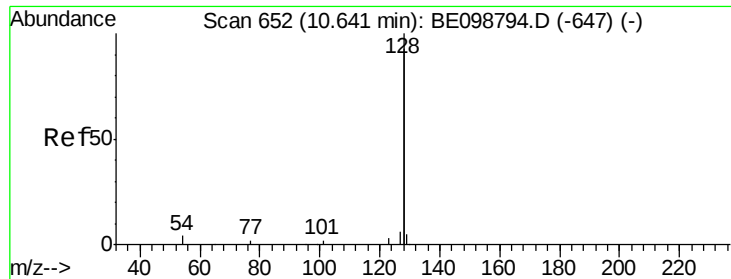


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

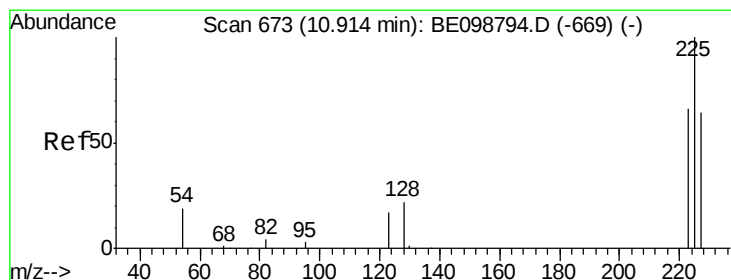
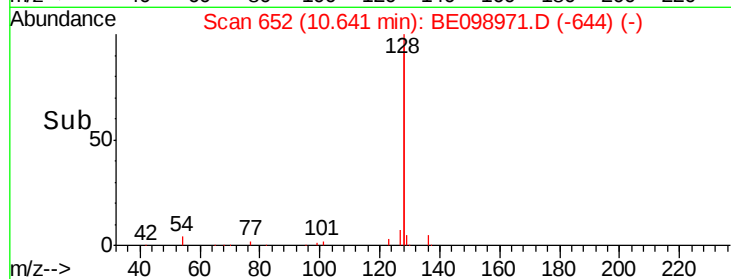
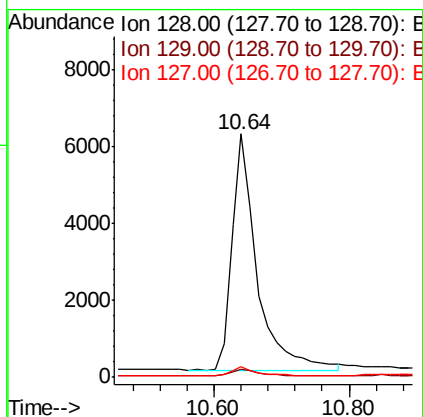
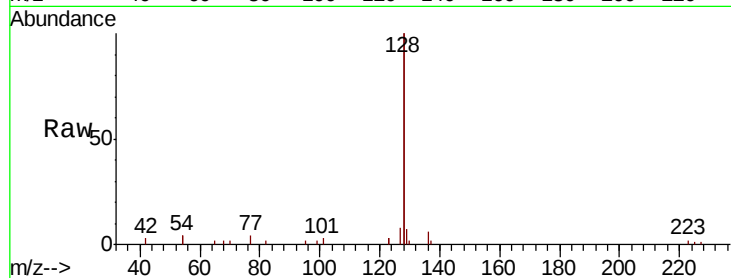




#9
Naphthalene
Concen: 0.381 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

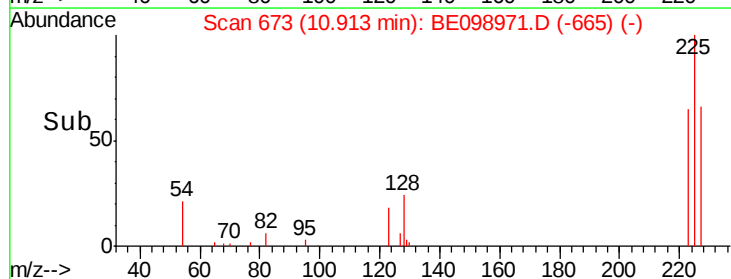
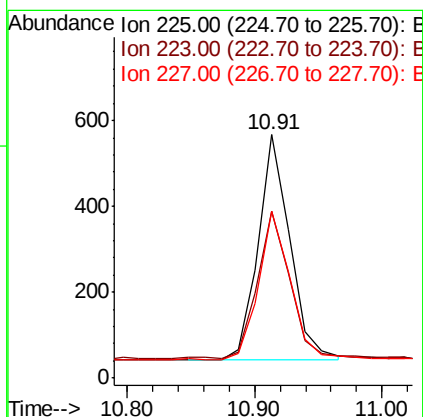
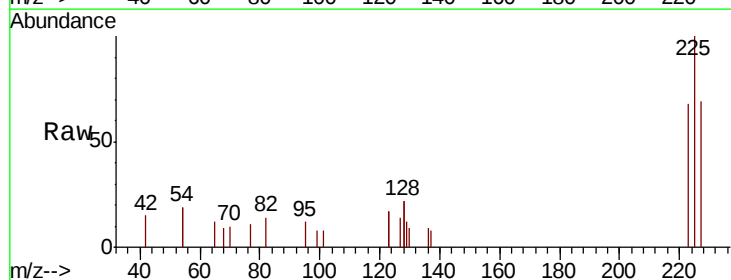
Instrument :
BNA_E
ClientSampleId :

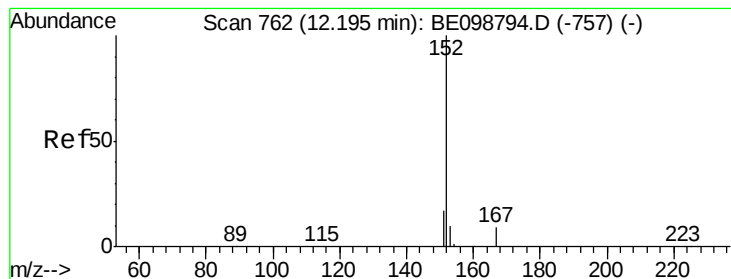
Tot Ion:128 Resp: 16051
Ion Ratio Lower Upper
128 100
129 3.5 2.6 4.0
127 4.1 3.1 4.7



#10
Hexachlorobutadiene
Concen: 0.324 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Tgt Ion:225 Resp: 901
Ion Ratio Lower Upper
225 100
223 66.0 51.1 76.7
227 65.6 51.6 77.4





#11

2-Methylnaphthalene-d10

Concen: 0.453 ng

RT: 12.19 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

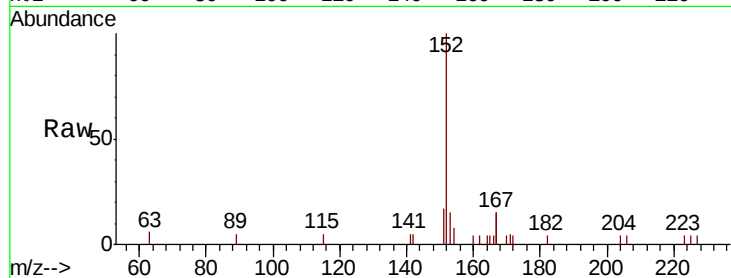
ClientSampled :

Tot Ion:152 Resp: 3073

Ion Ratio Lower Upper

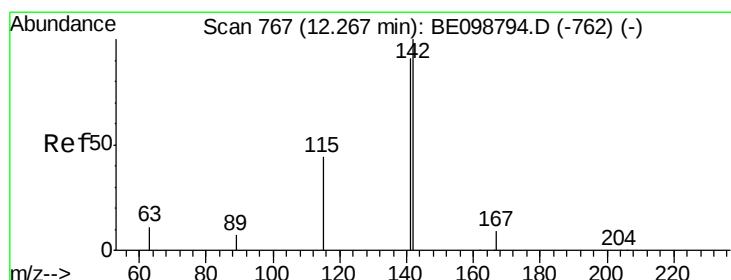
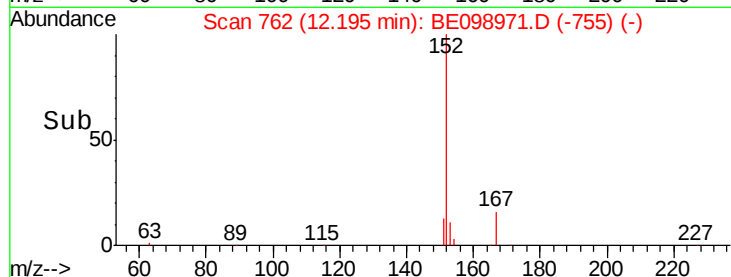
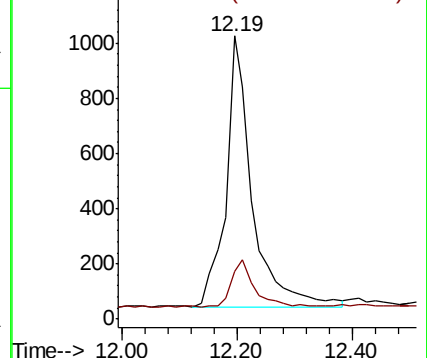
152 100

151 15.4 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.382 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

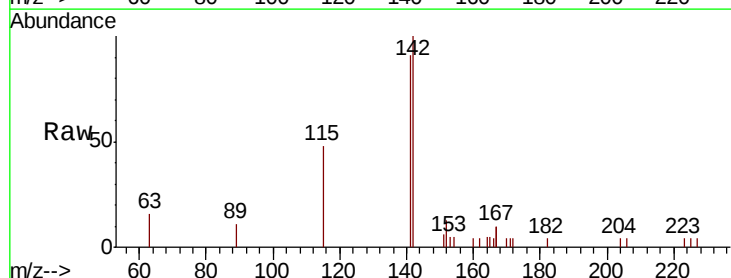
Tgt Ion:142 Resp: 2604

Ion Ratio Lower Upper

142 100

141 91.3 72.6 108.8

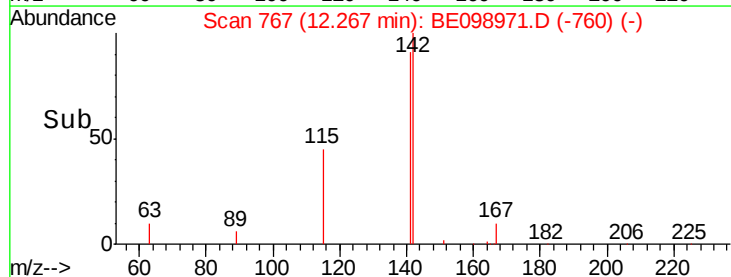
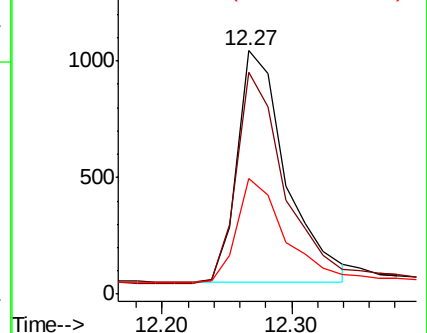
115 47.5 37.4 56.2

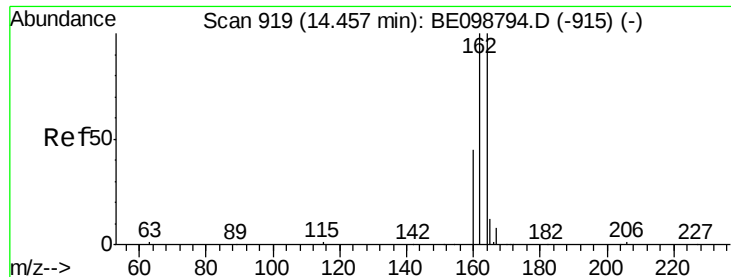


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

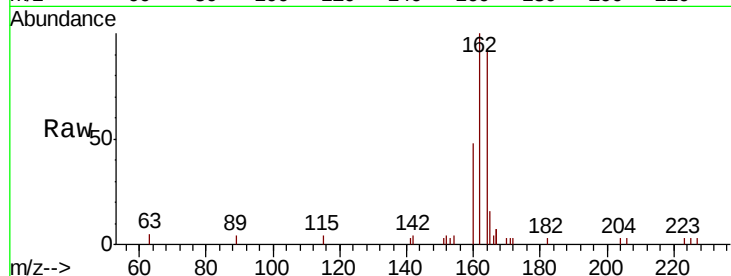




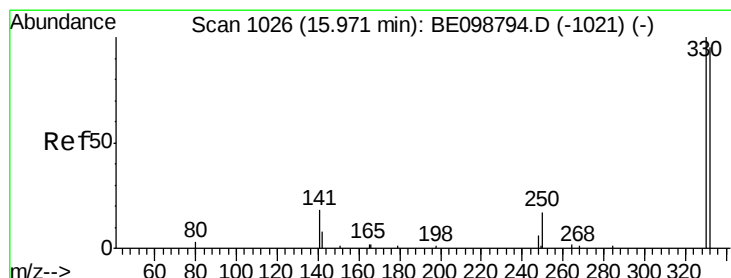
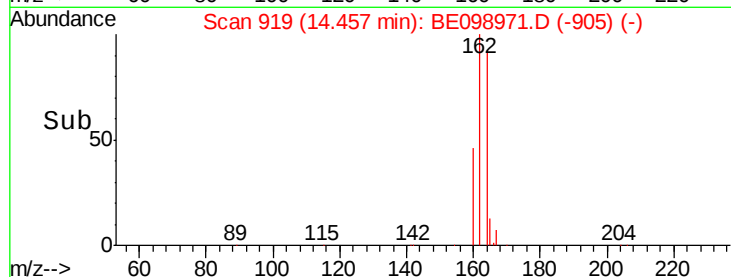
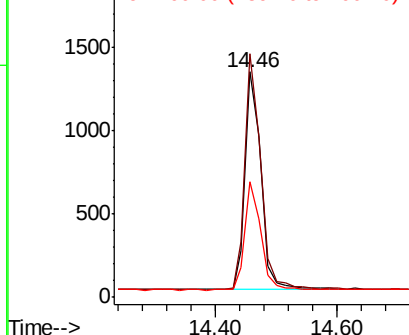
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2370
Ion Ratio Lower Upper
164 100
162 107.9 80.2 120.2
160 51.4 37.8 56.8

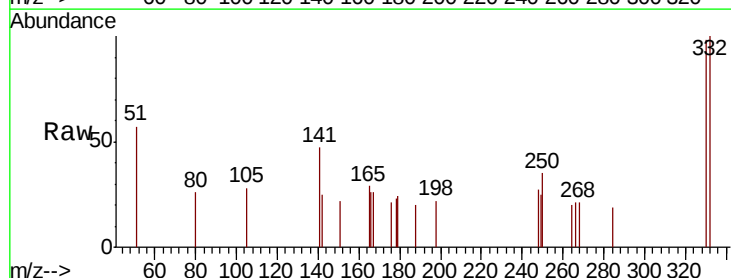


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

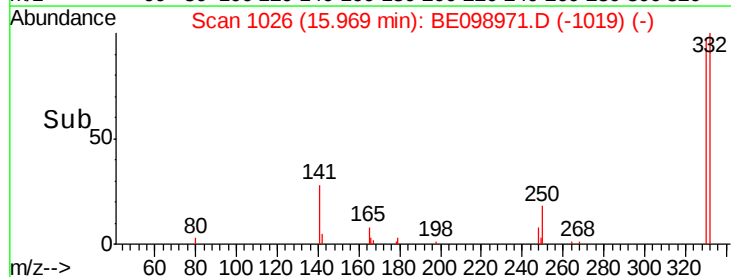
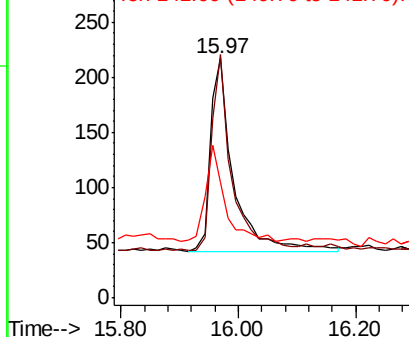


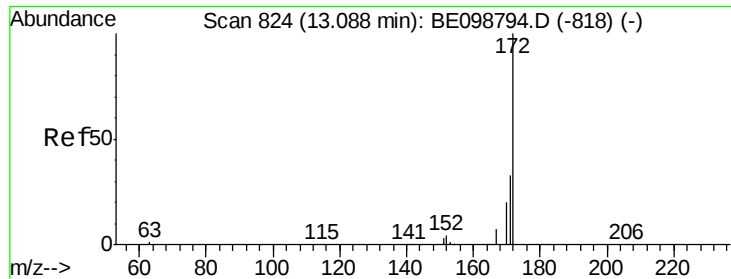
#14
2,4,6-Tribromophenol
Concen: 0.407 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Tgt Ion:330 Resp: 487
Ion Ratio Lower Upper
330 100
332 85.8 77.6 116.4
141 40.7 31.0 46.4



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

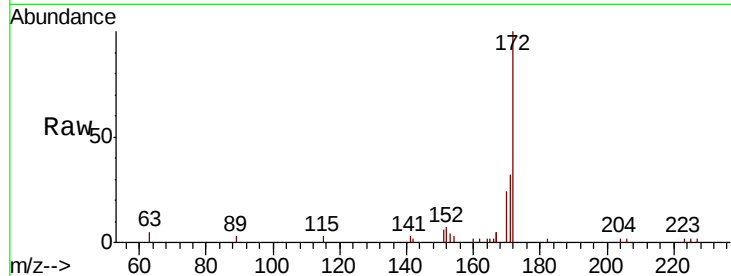




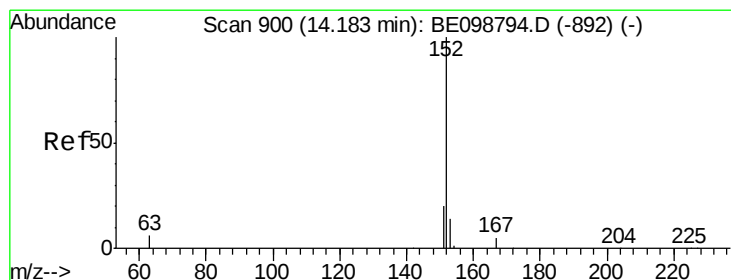
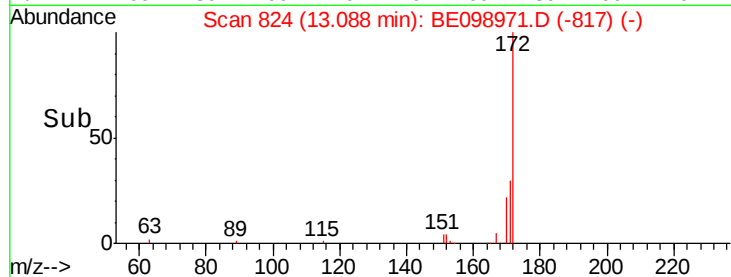
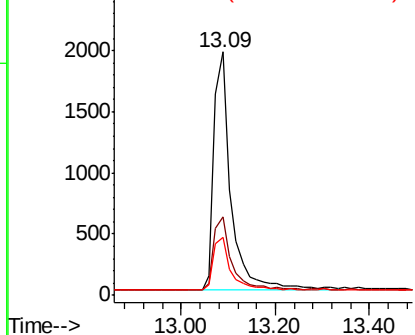
#15
2-Fluorobiphenyl
Concen: 0.498 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4890
Ion Ratio Lower Upper
172 100
171 32.0 28.0 42.0
170 24.0 17.7 26.5

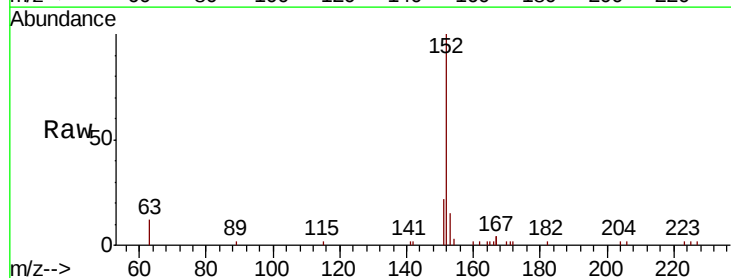


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

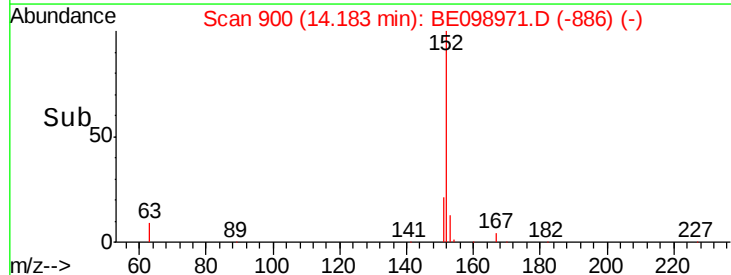
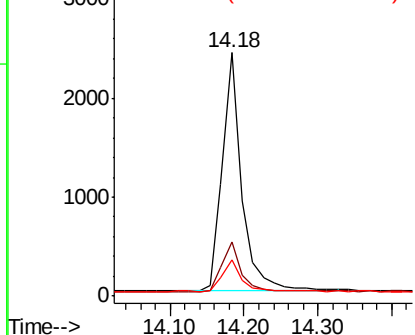


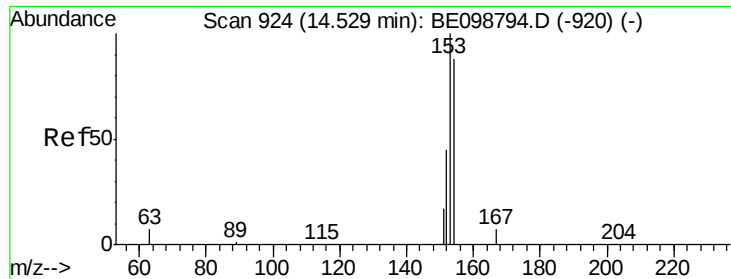
#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Tgt Ion:152 Resp: 4424
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6
153 13.6 11.2 16.8



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

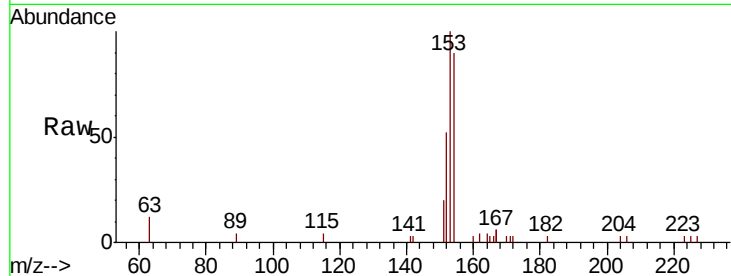




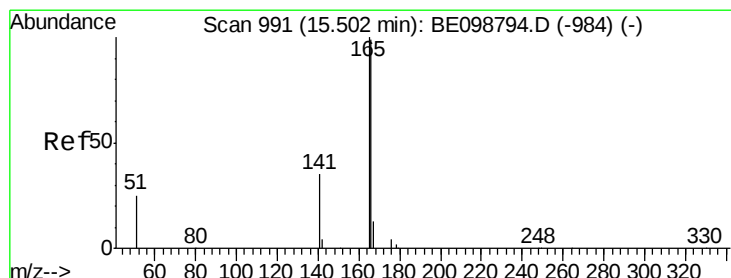
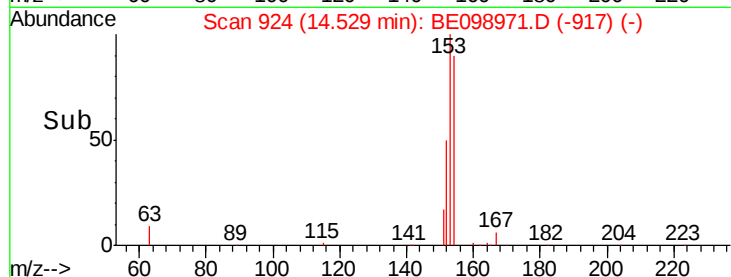
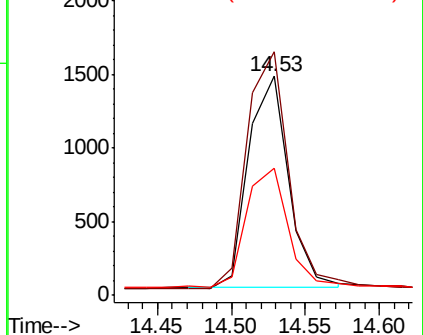
#17
Acenaphthene
Concen: 0.373 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 2700
Ion Ratio Lower Upper
154 100
153 115.7 94.2 141.4
152 58.6 45.0 67.4

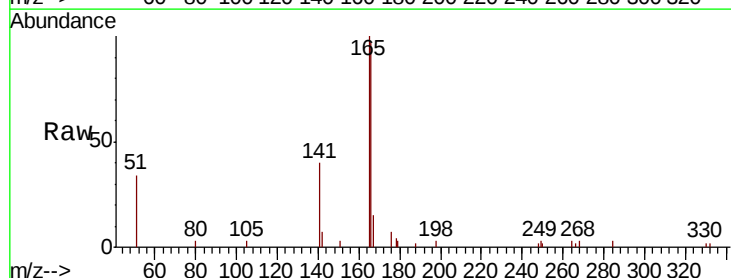


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

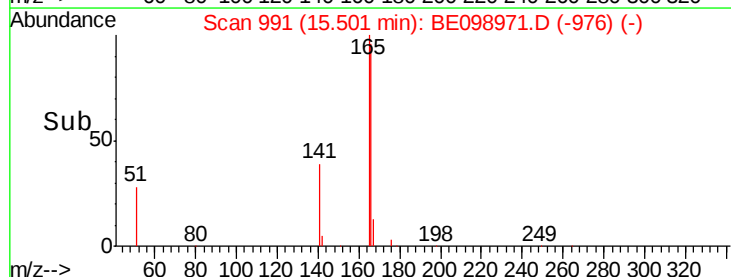
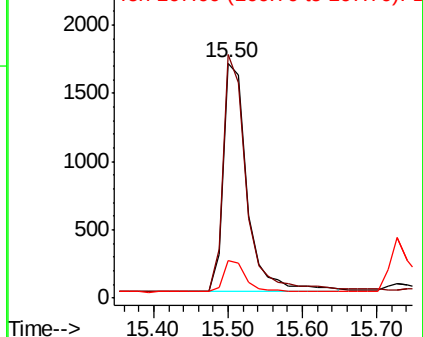


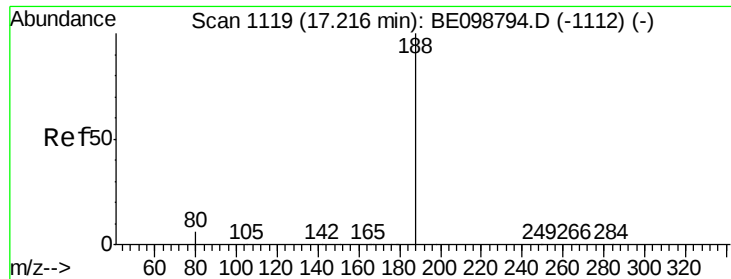
#18
Fluorene
Concen: 0.363 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Tgt Ion:166 Resp: 3789
Ion Ratio Lower Upper
166 100
165 99.8 79.3 118.9
167 12.8 10.5 15.7



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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampleId :

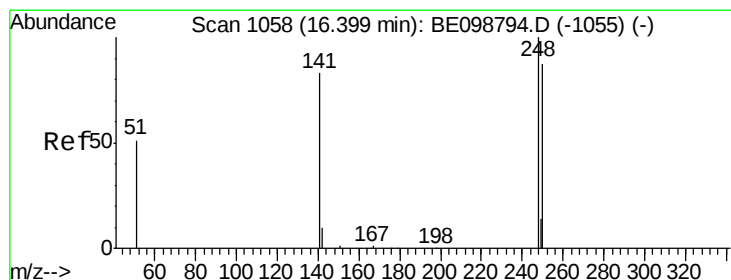
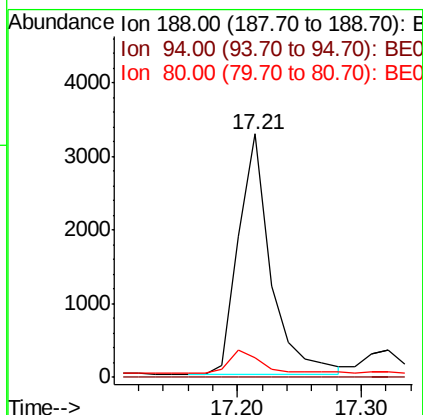
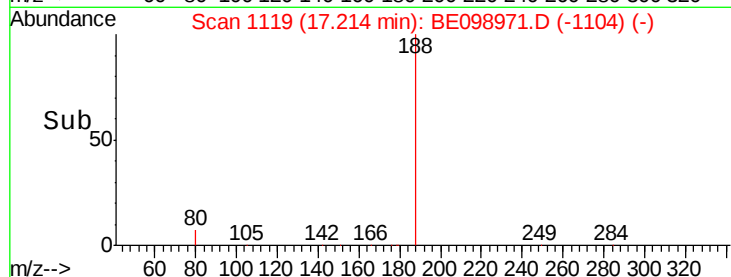
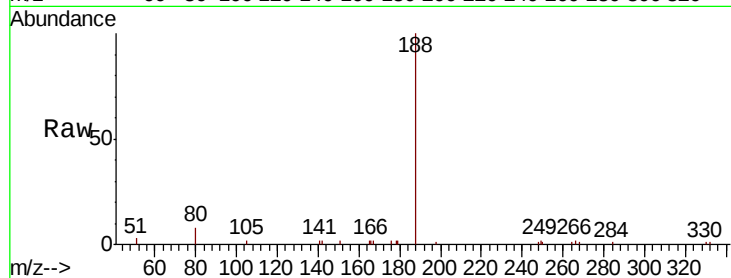
Tot Ion:188 Resp: 5891

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.0 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.392 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

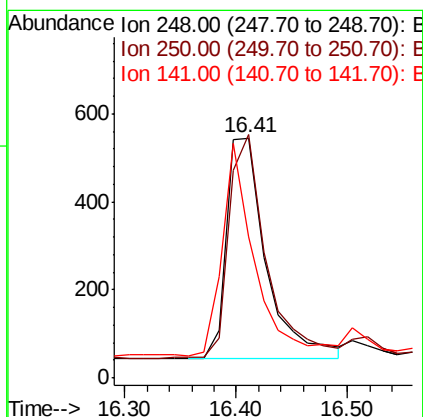
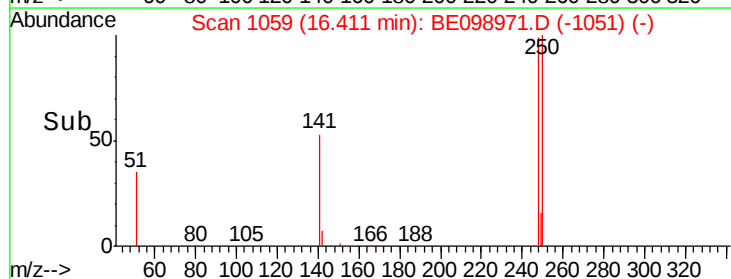
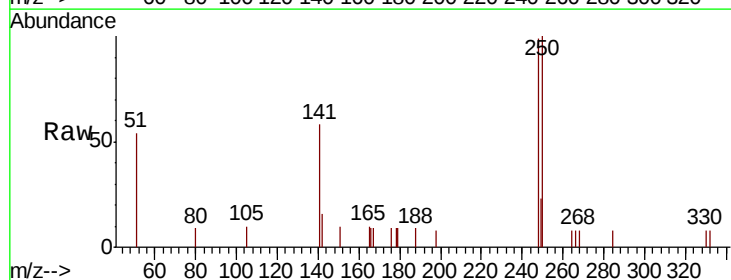
Tgt Ion:248 Resp: 1250

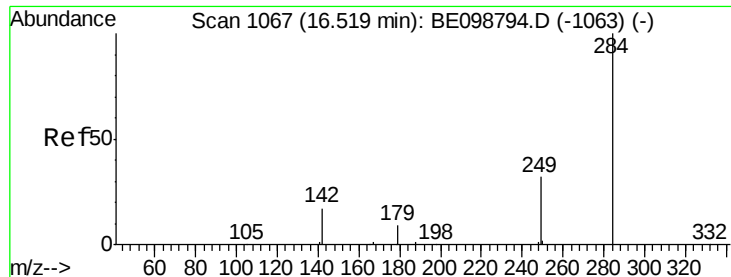
Ion Ratio Lower Upper

248 100

250 101.5 70.6 105.8

141 58.5 68.6 102.8#

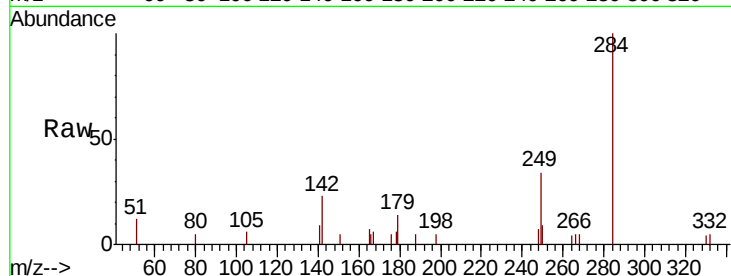




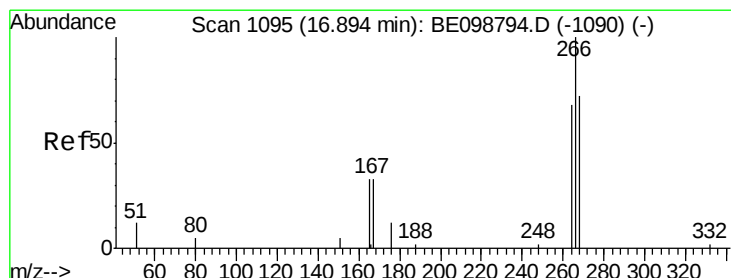
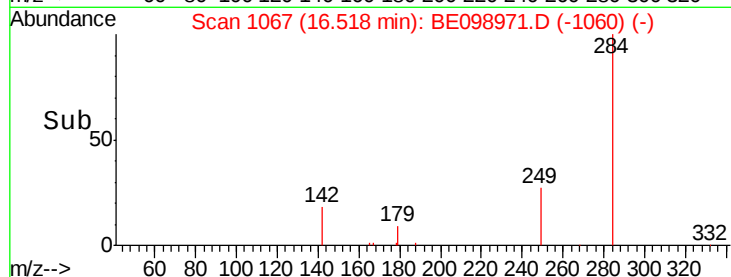
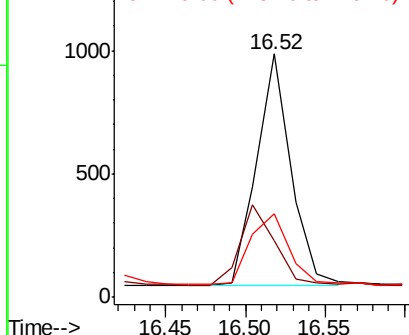
#21
Hexachlorobenzene
Concen: 0.371 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 1410
Ion Ratio Lower Upper
284 100
142 34.9 28.7 43.1
249 34.7 29.6 44.4

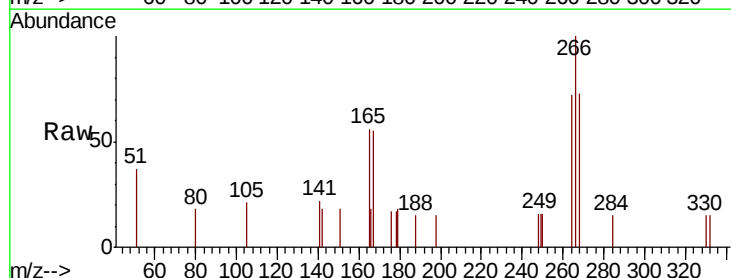


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

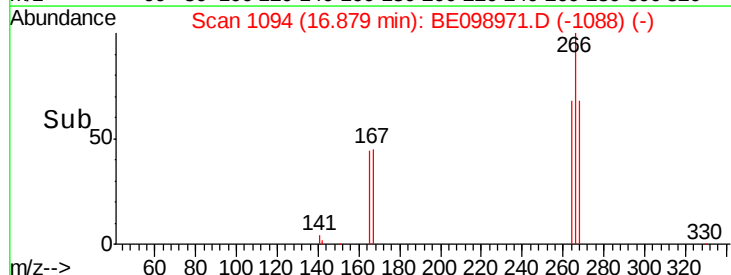
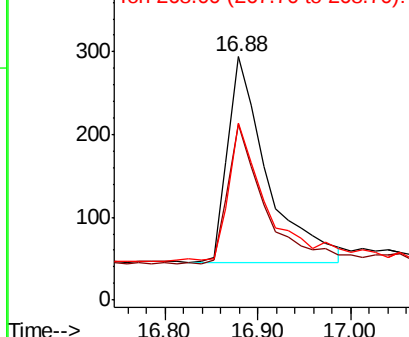


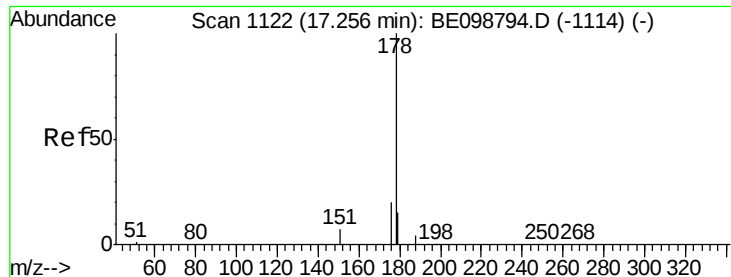
#22
Pentachlorophenol
Concen: 0.835 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Tgt Ion:266 Resp: 737
Ion Ratio Lower Upper
266 100
264 72.4 66.6 100.0
268 72.8 69.8 104.8



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: 0.374 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampleId :

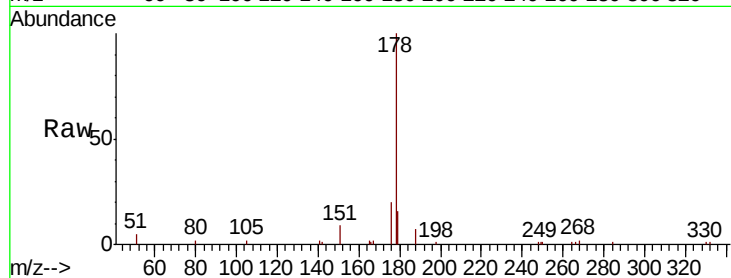
Tot Ion:178 Resp: 6258

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

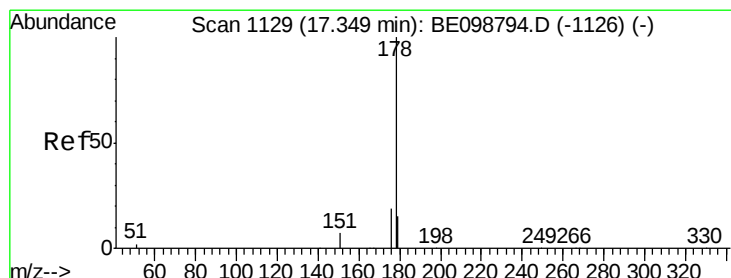
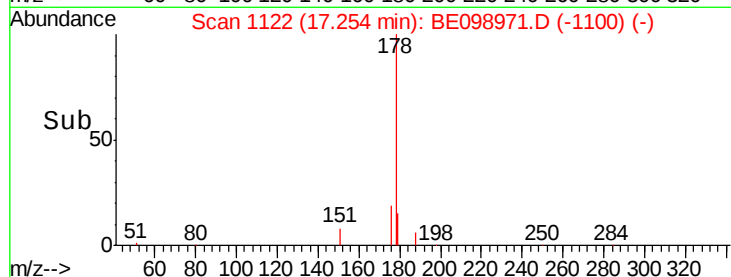
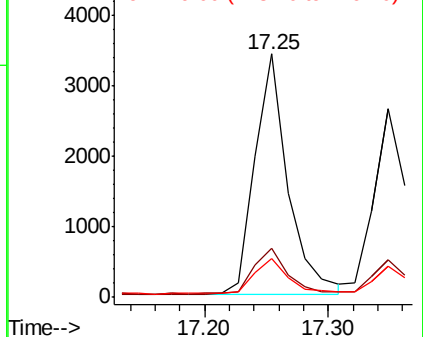
179 15.9 12.1 18.1



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



#24

Anthracene

Concen: 0.352 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

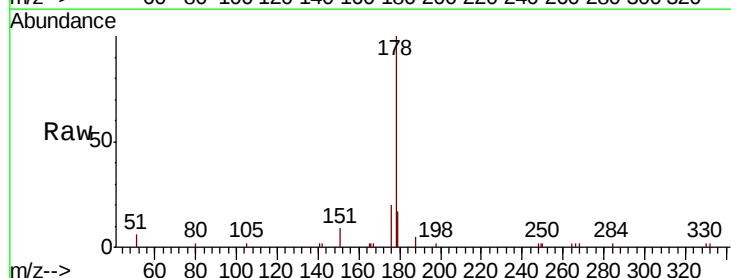
Tgt Ion:178 Resp: 5031

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

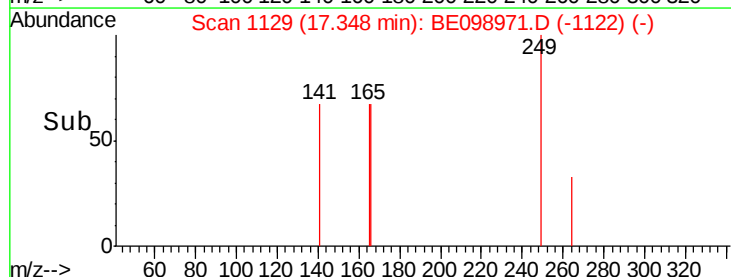
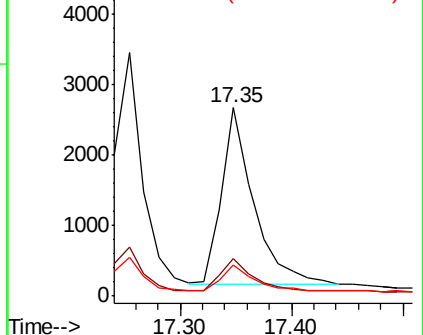
179 15.1 12.2 18.4

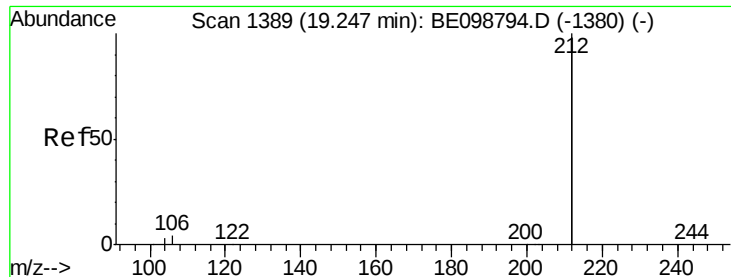


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.343 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampled :

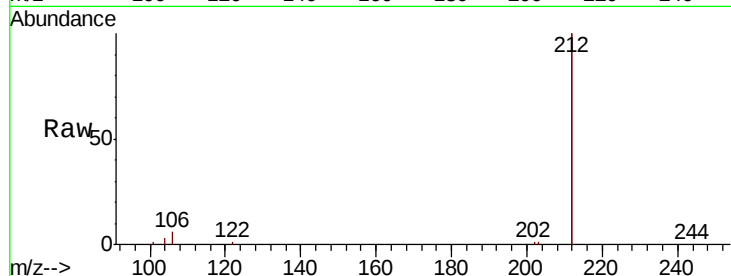
Tot Ion:212 Resp: 32214

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

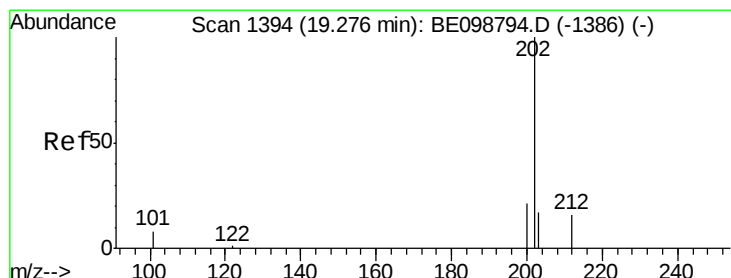
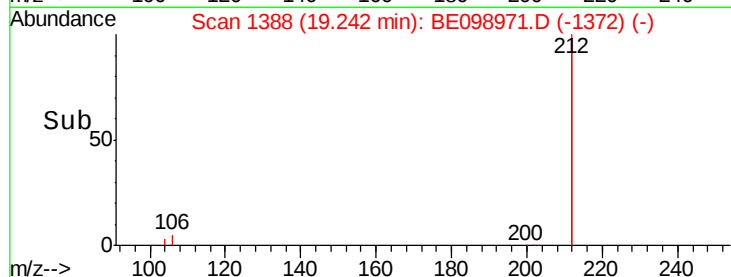
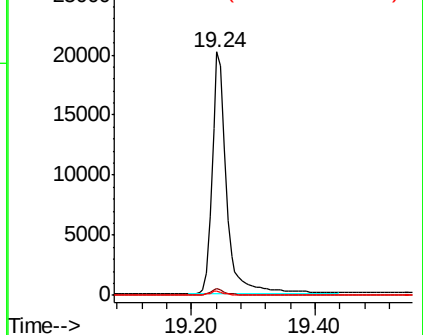
104 1.3 1.0 1.6



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: 0.350 ng

RT: 19.28 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

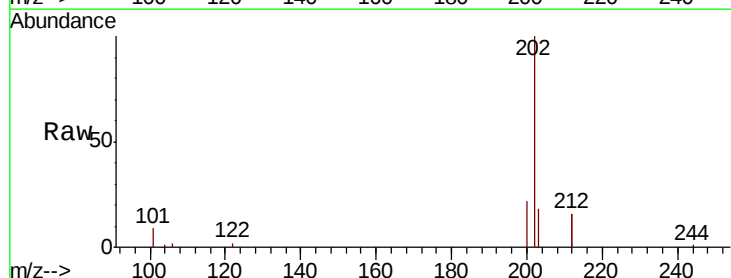
Tgt Ion:202 Resp: 8270

Ion Ratio Lower Upper

202 100

101 9.3 7.3 10.9

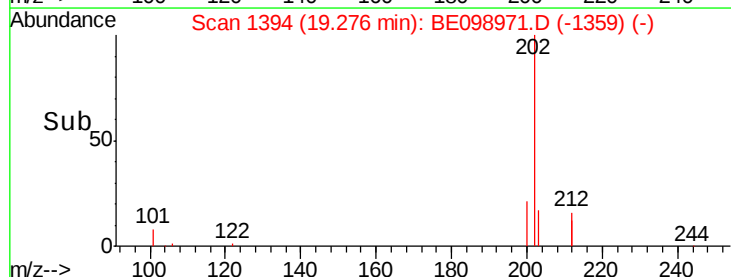
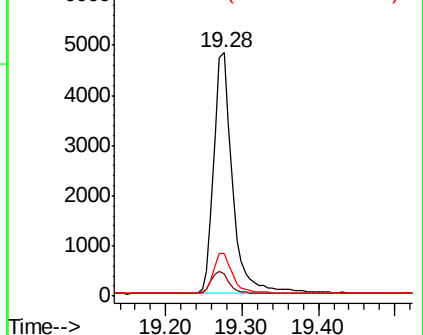
203 16.9 13.4 20.2

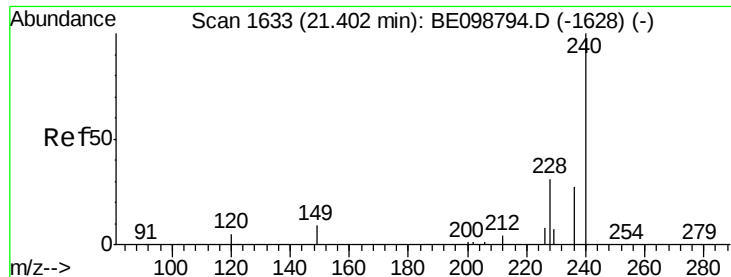


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

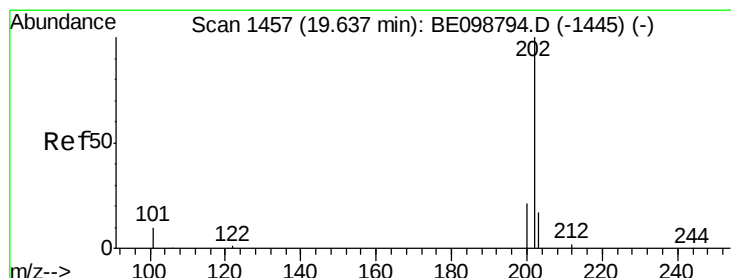
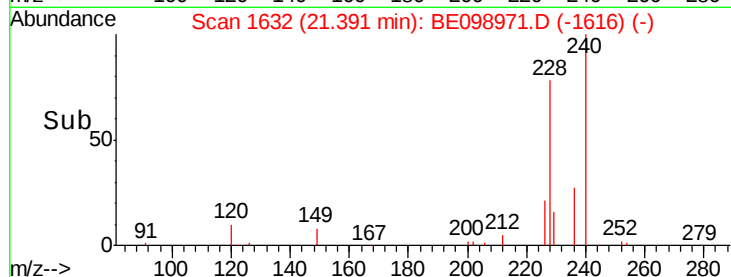
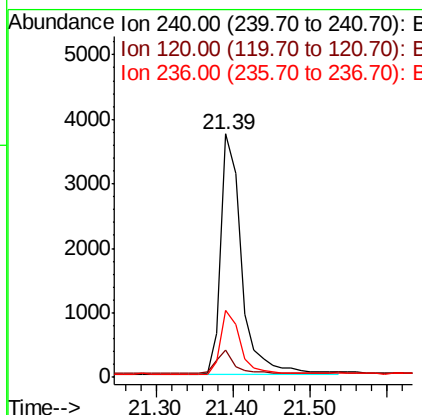
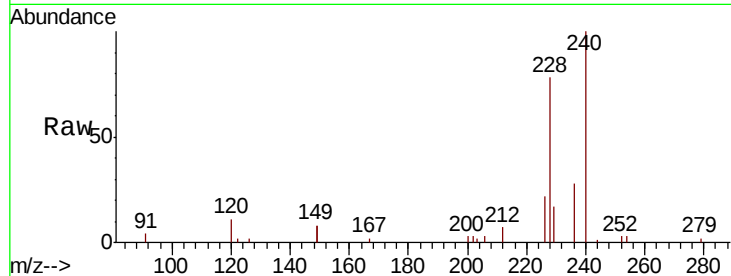




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE098971.D
 Acq: 15 Mar 2019 13:29

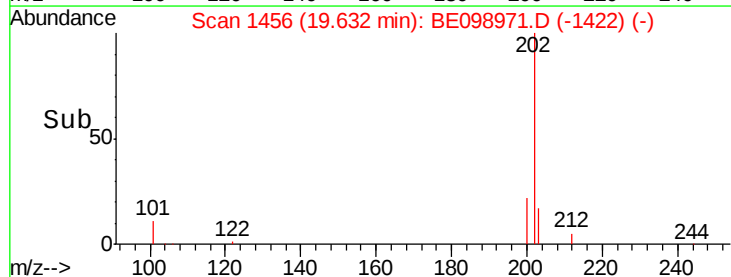
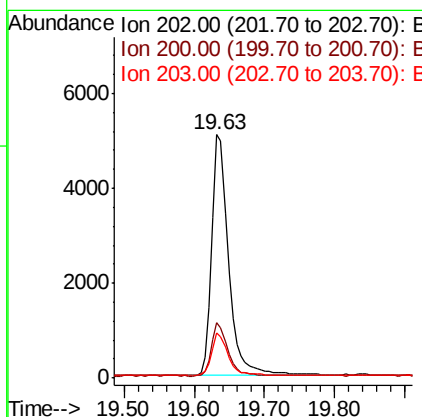
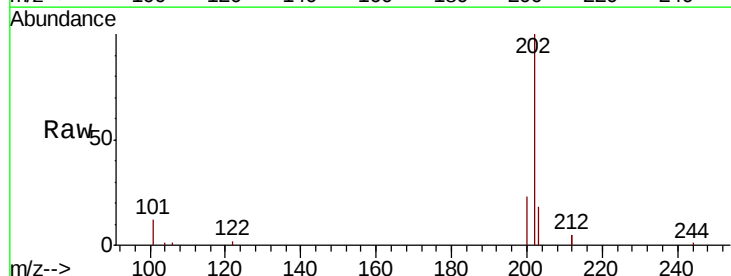
Instrument :
 BNA_E
 ClientSampleID :

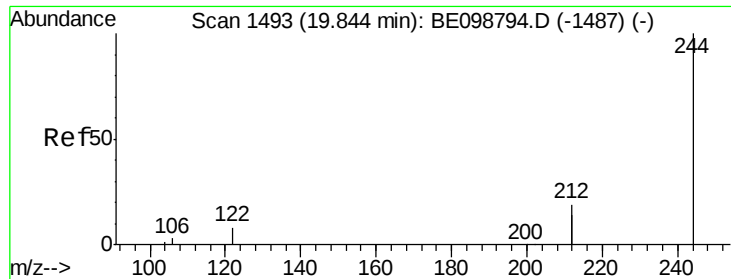
Tot Ion:240 Resp: 7003
 Ion Ratio Lower Upper
 240 100
 120 11.2 5.0 7.4#
 236 27.7 22.7 34.1



#28
 Pyrene
 Concen: 0.399 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BE098971.D
 Acq: 15 Mar 2019 13:29

Tgt Ion:202 Resp: 8542
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.6
 203 17.7 14.2 21.2





#29

Terphenyl-d14

Concen: 0.433 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampleId :

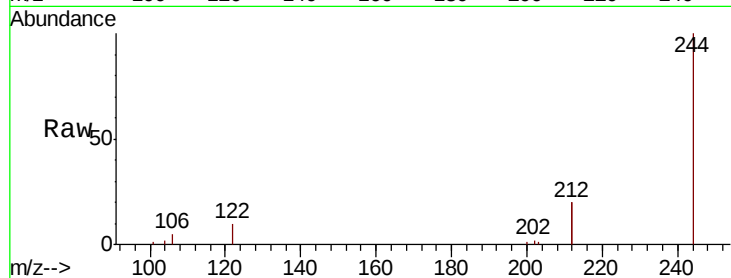
Tot Ion:244 Resp: 7375

Ion Ratio Lower Upper

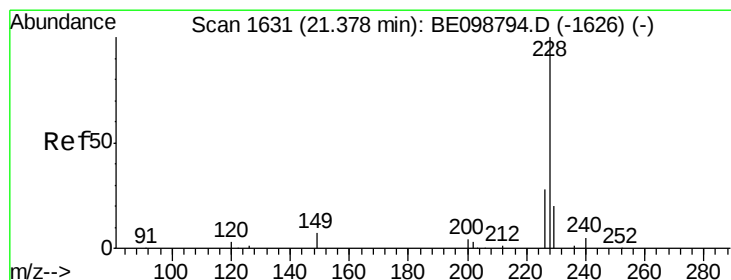
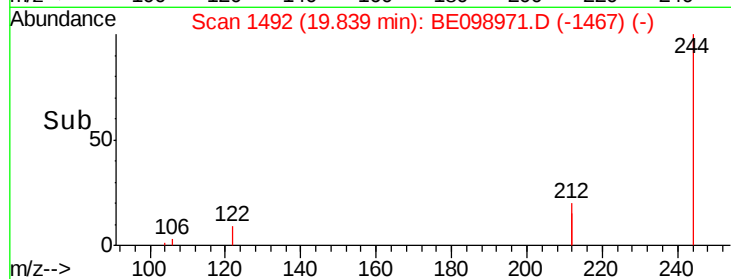
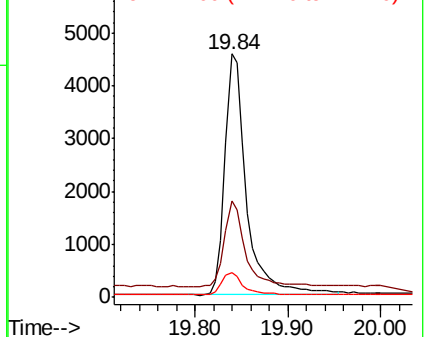
244 100

212 39.6 29.4 44.2

122 10.0 7.1 10.7



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: 0.340 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

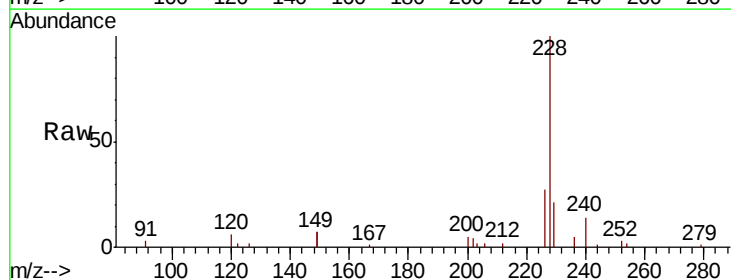
Tgt Ion:228 Resp: 7434

Ion Ratio Lower Upper

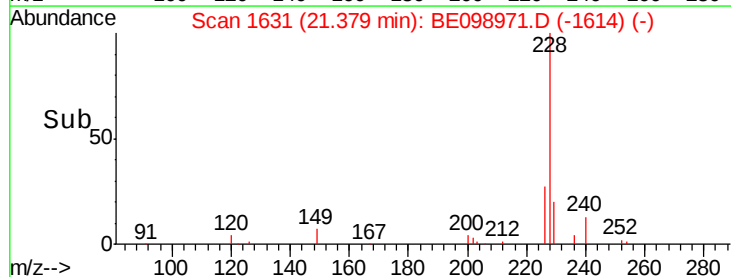
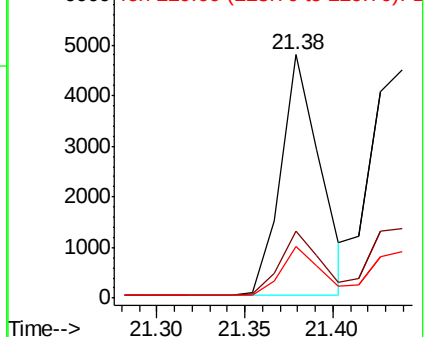
228 100

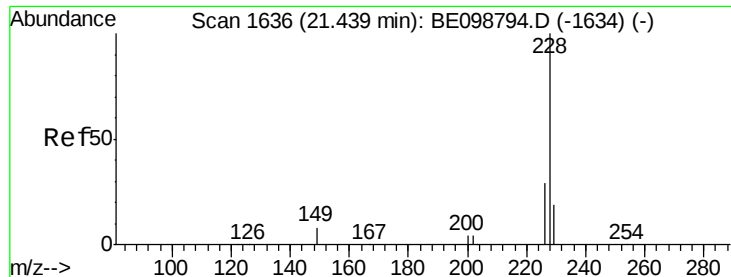
226 27.5 23.0 34.4

229 21.0 16.5 24.7



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: 0.379 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampleId :

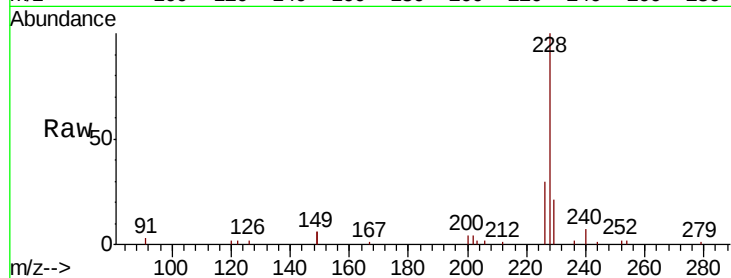
Tot Ion:228 Resp: 8853

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

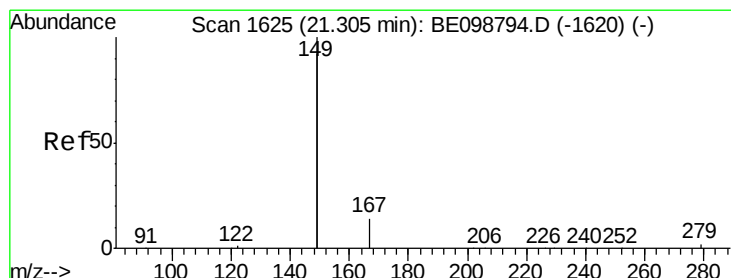
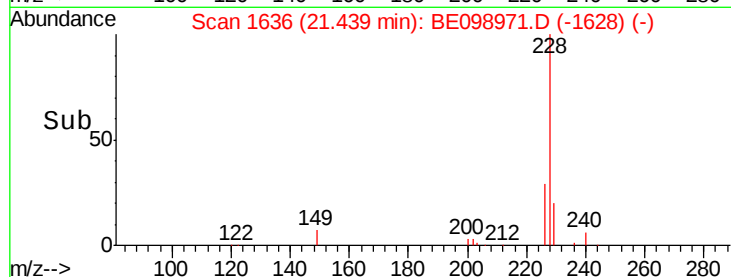
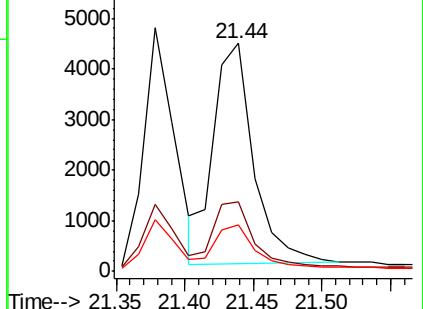
229 20.5 16.1 24.1



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: 0.346 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

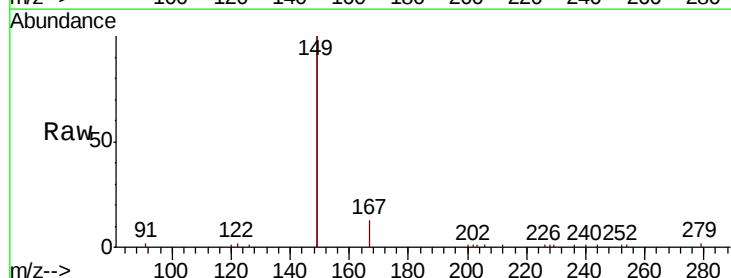
Tgt Ion:149 Resp: 16110

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

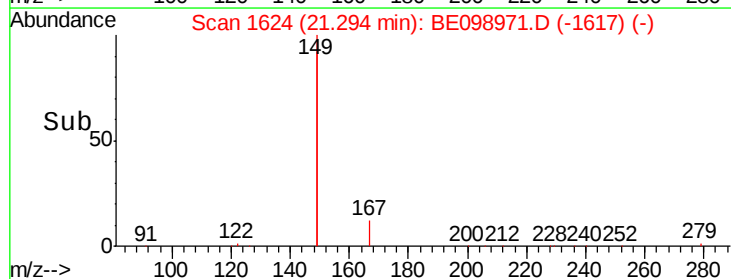
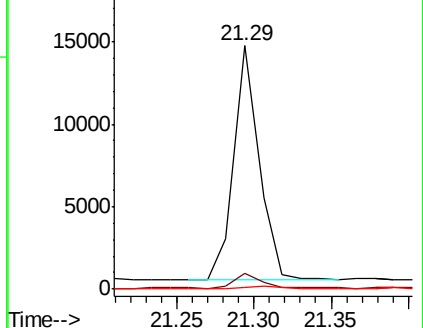
279 1.1 1.0 1.4

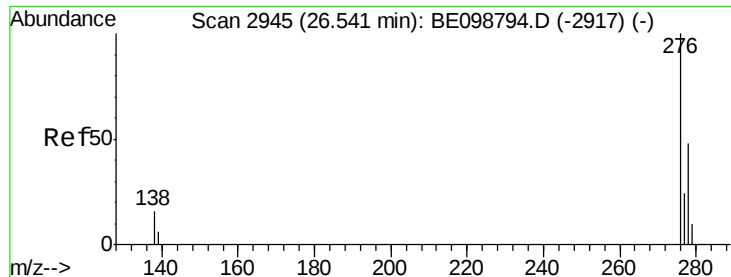


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

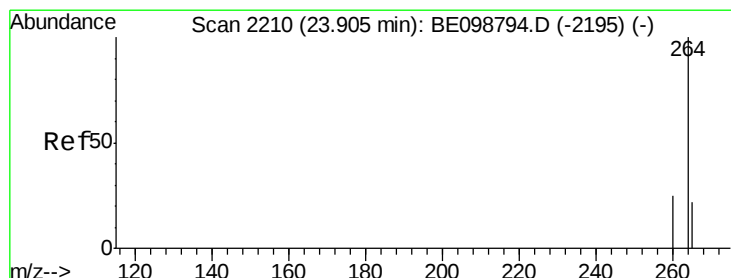
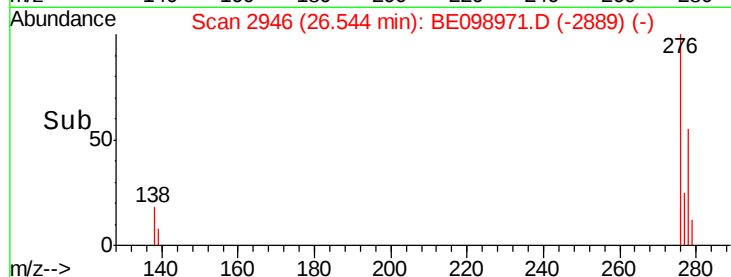
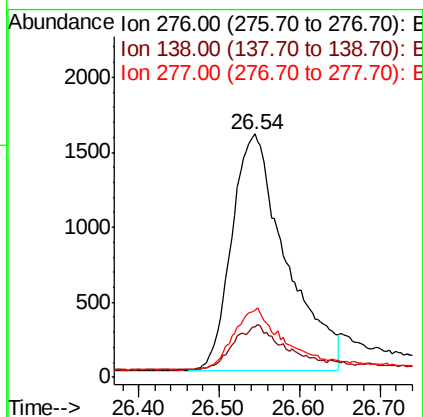
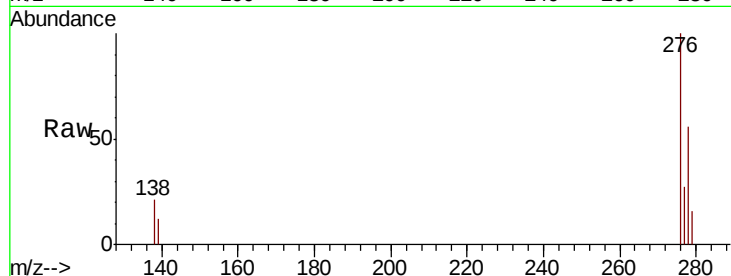




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.297 ng
RT: 26.54 min Scan# 2946
Delta R.T. 0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

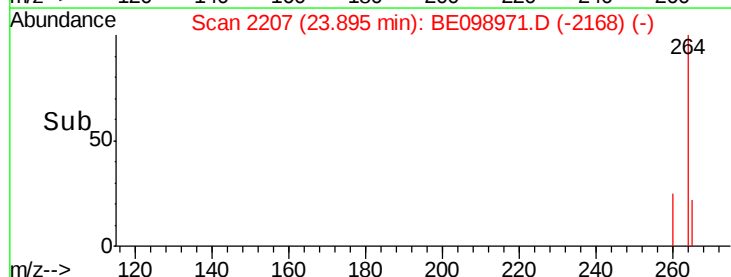
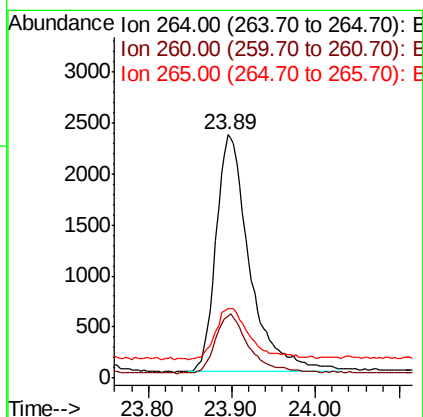
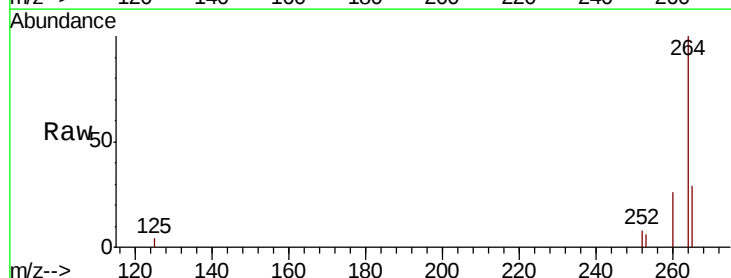
Instrument :
BNA_E
ClientSampleId :

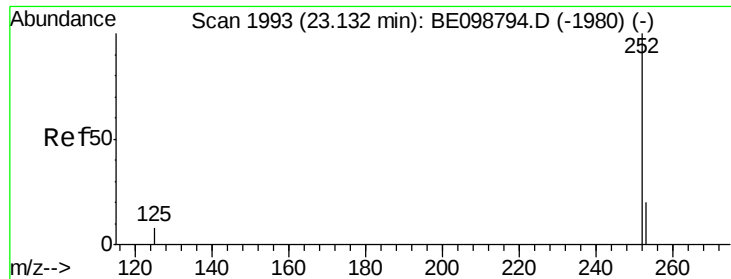
Tot Ion:276 Resp: 7333
Ion Ratio Lower Upper
276 100
138 18.5 13.8 20.8
277 24.2 19.5 29.3



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Tgt Ion:264 Resp: 6493
Ion Ratio Lower Upper
264 100
260 25.6 21.2 31.8
265 28.7 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.417 ng

RT: 23.18 min Scan# 2007

Delta R.T. 0.05 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampleId :

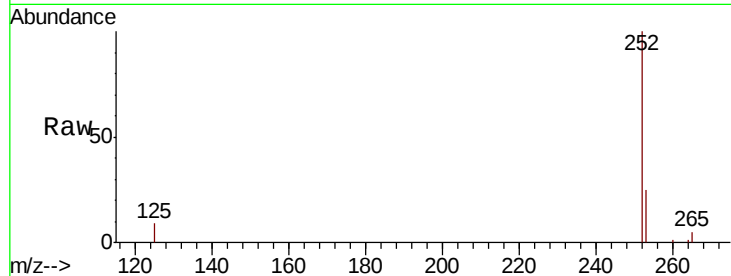
Tot Ion:252 Resp: 8896

Ion Ratio Lower Upper

252 100

253 25.4 18.2 27.2

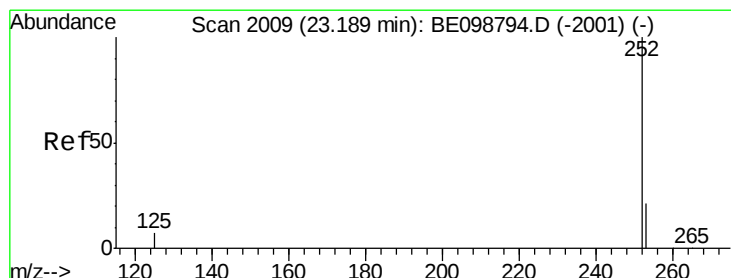
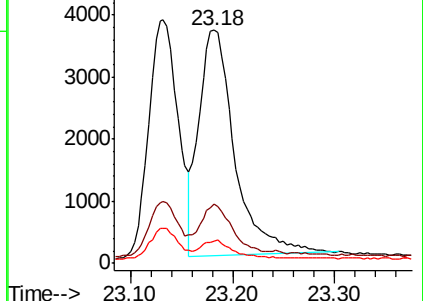
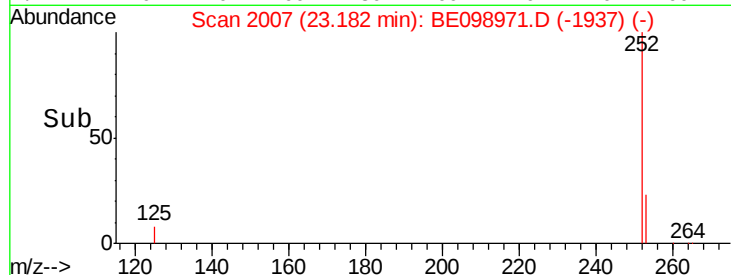
125 9.4 7.3 10.9



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: 0.408 ng

RT: 23.18 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

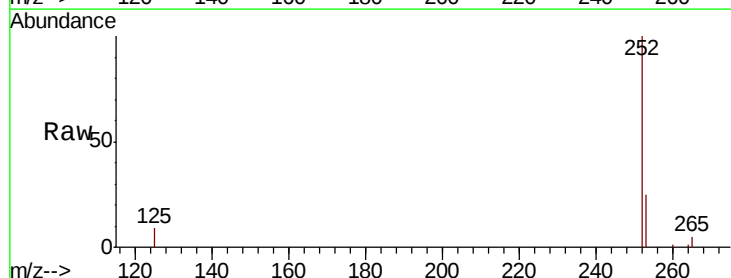
Tgt Ion:252 Resp: 9127

Ion Ratio Lower Upper

252 100

253 25.4 19.3 28.9

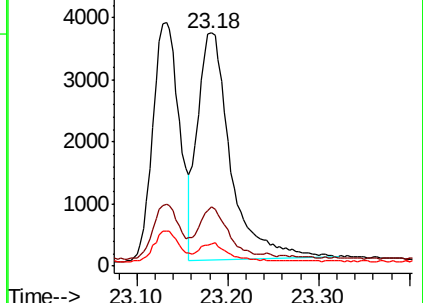
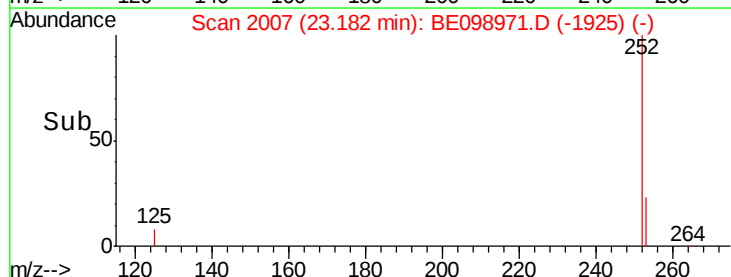
125 9.4 7.5 11.3

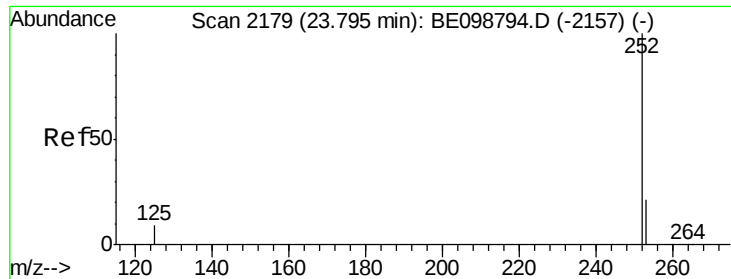


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

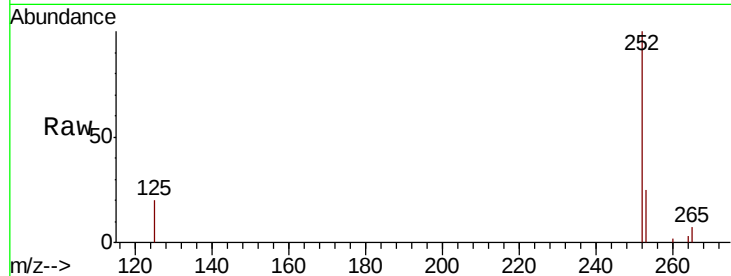




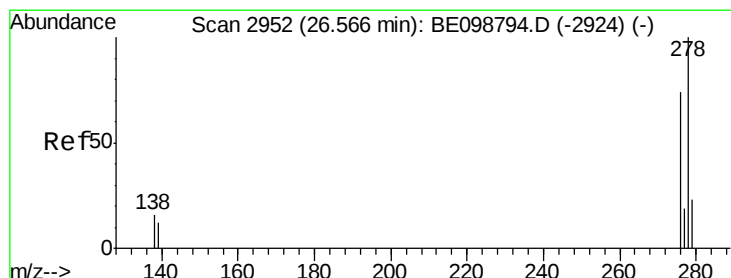
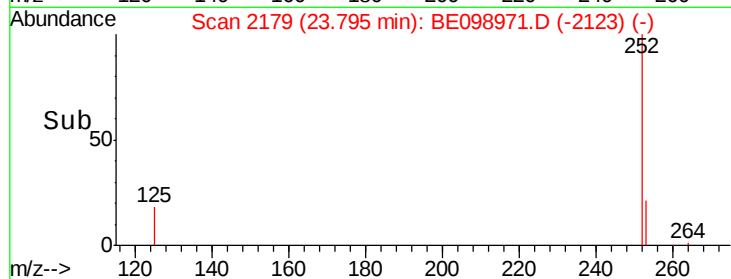
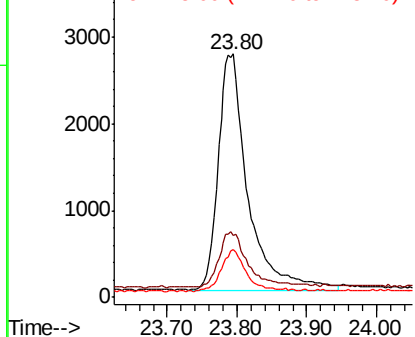
#37
Benzo(a)pyrene
Concen: 0.395 ng
RT: 23.80 min Scan# 2179
Delta R.T. 0.00 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 8079
Ion Ratio Lower Upper
252 100
253 25.5 19.9 29.9
125 19.7 9.0 13.4#

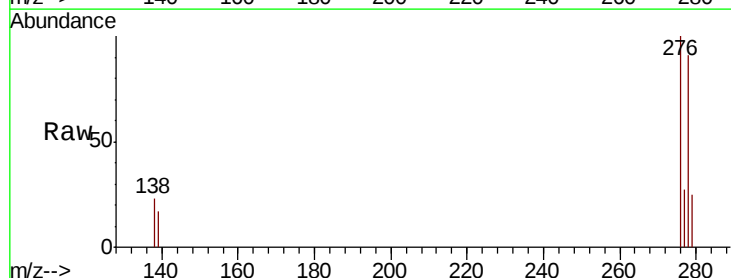


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

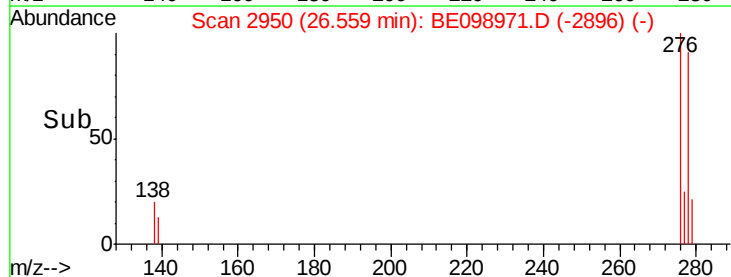
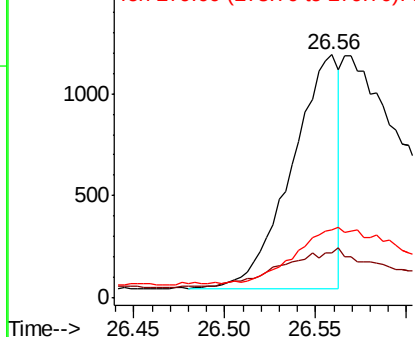


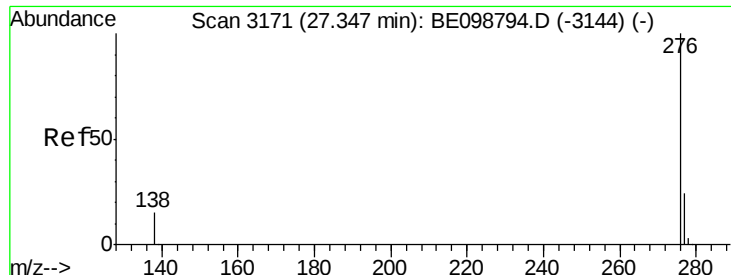
#38
Dibenzo(a,h)anthracene
Concen: 0.105 ng
RT: 26.56 min Scan# 2950
Delta R.T. -0.01 min
Lab File: BE098971.D
Acq: 15 Mar 2019 13:29

Tgt Ion:278 Resp: 2038
Ion Ratio Lower Upper
278 100
139 18.3 11.8 17.6#
279 27.8 21.1 31.7



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: 0.348 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.00 min

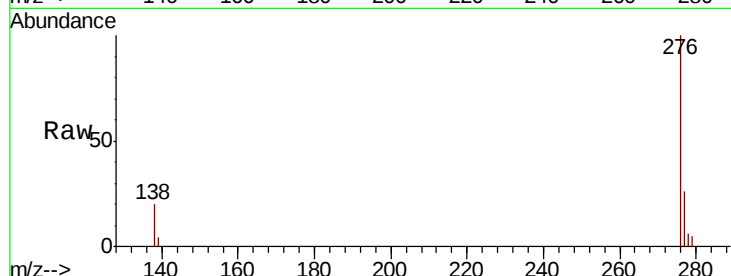
Lab File: BE098971.D

Acq: 15 Mar 2019 13:29

Instrument :

BNA_E

ClientSampleId :



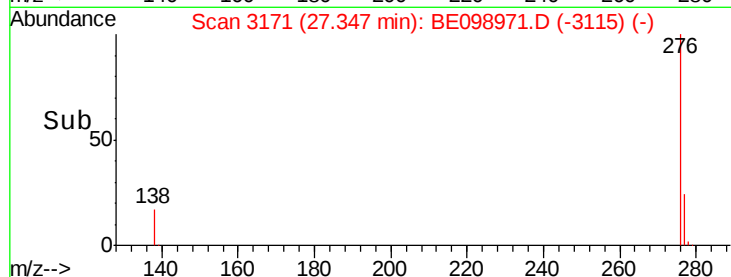
Tot Ion: 276 Resp: 7046

Ion Ratio Lower Upper

276 100

277 26.3 20.4 30.6

138 19.9 13.6 20.4



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

