

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE041519\
 Data File : BE099323.D
 Acq On : 15 Apr 2019 11:32
 Operator : JU/SJ
 Sample : PB118846BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB118846BS

Quant Time: Apr 15 13:12:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE040219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 02 17:16:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	4876	0.40	ng	-0.02
7) Naphthalene-d8	10.61	136	16678	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	9210	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	23361	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	31233	0.40	ng	-0.02
34) Perylene-d12	23.87	264	33640	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	2935	0.23	ng	-0.01
5) Phenol-d6	6.98	99	3892	0.22	ng	-0.01
8) Nitrobenzene-d5	8.98	82	2967	0.26	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	9942	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.94	330	642	0.15	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	9278	0.26	ng	-0.02
25) Fluoranthene-d10	19.22	212	62798	0.20	ng	-0.02
29) Terphenyl-d14	19.82	244	11132	0.20	ng	-0.02

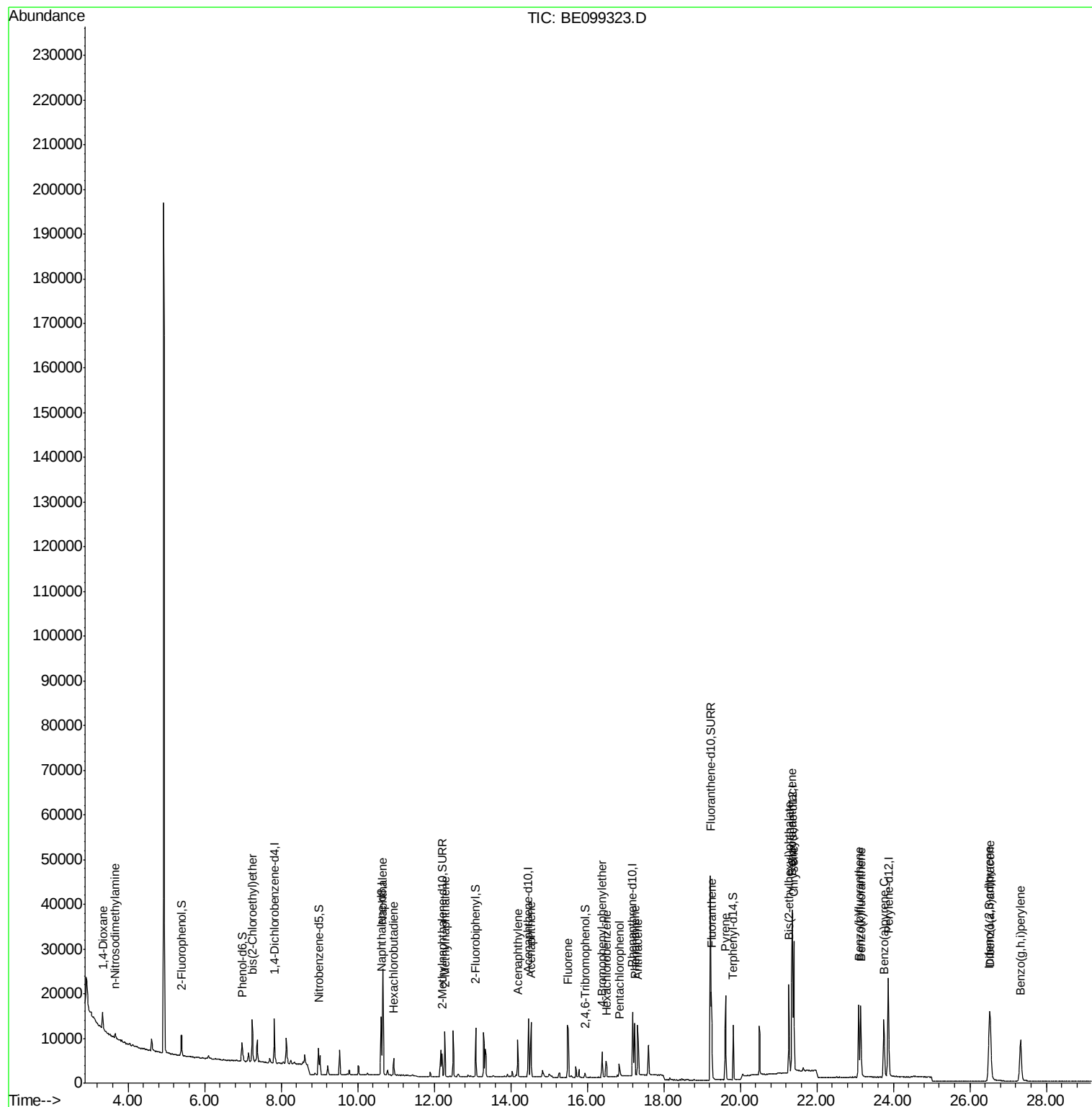
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	3096	0.466	ng	# 77
3) n-Nitrosodimethylamine	3.66	42	875	0.223	ng	# 96
6) bis(2-Chloroethyl)ether	7.24	93	3550	0.222	ng	92
9) Naphthalene	10.65	128	43264	0.239	ng	99
10) Hexachlorobutadiene	10.94	225	2695	0.229	ng	99
12) 2-Methylnaphthalene	12.28	142	6788	0.220	ng	97
16) Acenaphthylene	14.18	152	9356	0.214	ng	99
17) Acenaphthene	14.53	154	6016	0.234	ng	99
18) Fluorene	15.50	166	7888	0.212	ng	96
20) 4-Bromophenyl-phenylether	16.38	248	2941	0.222	ng	# 76
21) Hexachlorobenzene	16.49	284	2993	0.237	ng	99
22) Pentachlorophenol	16.84	266	1630	0.311	ng	93
23) Phenanthrene	17.24	178	14606	0.242	ng	99
24) Anthracene	17.32	178	12936	0.227	ng	100
26) Fluoranthene	19.25	202	17961	0.201	ng	98
28) Pyrene	19.62	202	18410	0.223	ng	98
30) Benzo(a)anthracene	21.35	228	22755	0.231	ng	99
31) Chrysene	21.40	228	23958	0.248	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	19420	0.155	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	26743	0.243	ng	98
35) Benzo(b)fluoranthene	23.10	252	23556	0.235	ng	98
36) Benzo(k)fluoranthene	23.15	252	23486	0.240	ng	98
37) Benzo(a)pyrene	23.75	252	22287	0.236	ng	99
38) Dibenzo(a,h)anthracene	26.53	278	22151	0.236	ng	98
39) Benzo(g,h,i)perylene	27.33	276	23483	0.251	ng	99

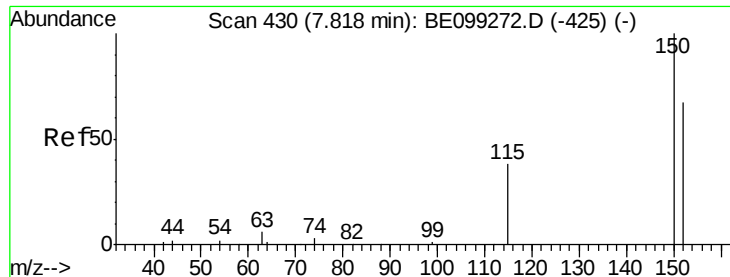
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

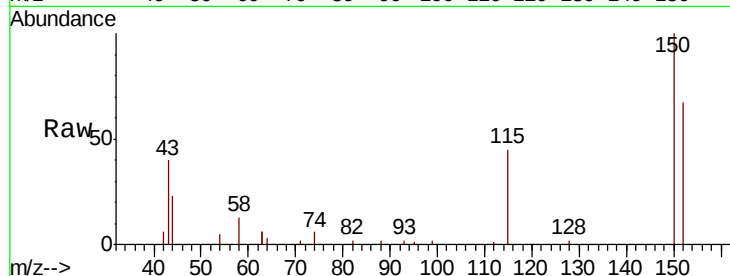
Tot Ion:152 Resp: 4876

Ion Ratio Lower Upper

152 100

150 150.1 112.8 169.2

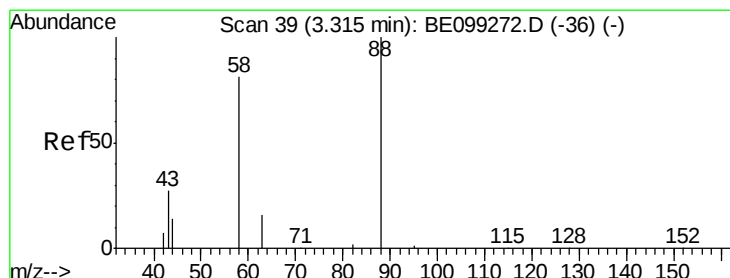
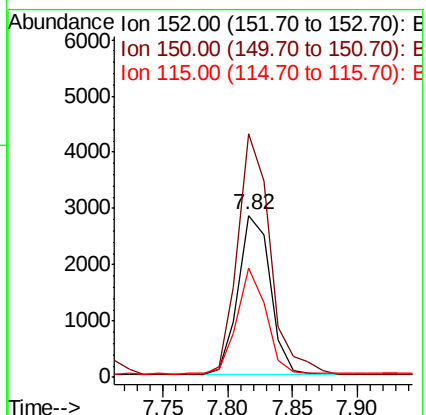
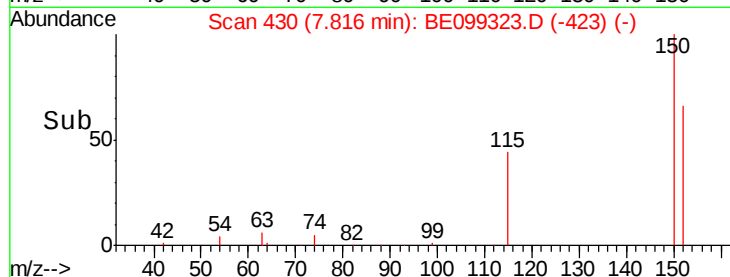
115 67.3 45.1 67.7



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: 0.466 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.00 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

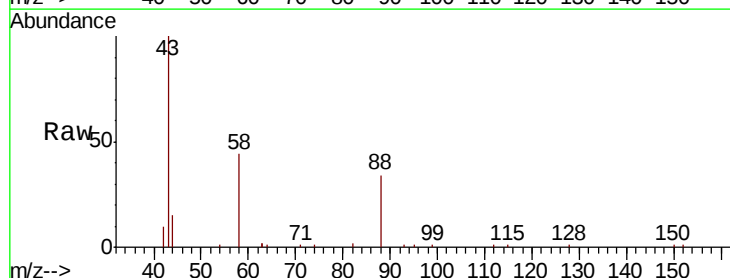
Tgt Ion: 88 Resp: 3096

Ion Ratio Lower Upper

88 100

58 71.8 47.4 71.0#

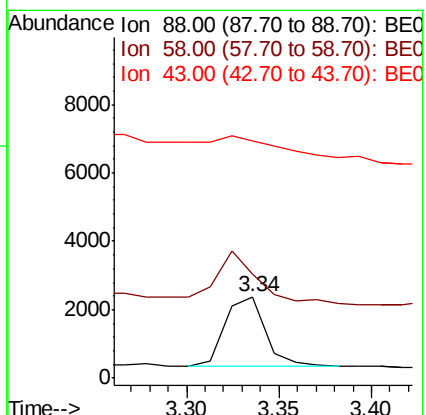
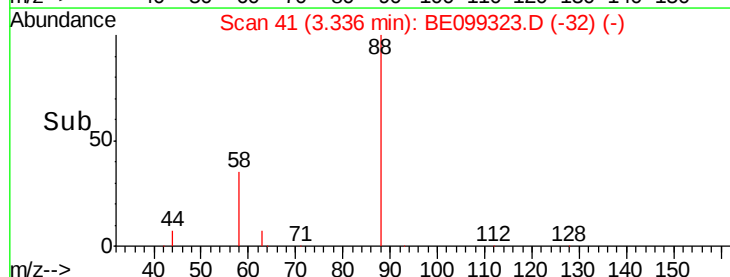
43 0.0 15.6 23.4#

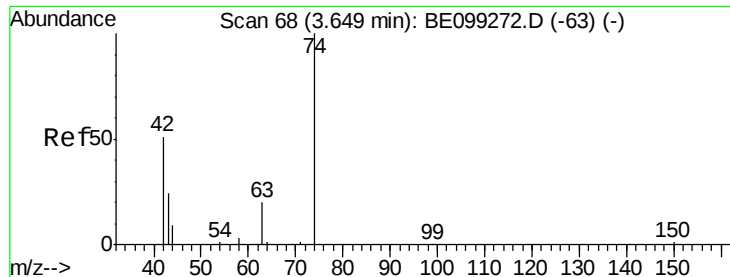


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.223 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

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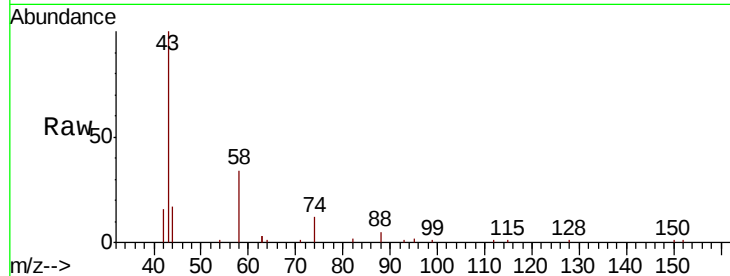
Tot Ion: 42 Resp: 875

Ion Ratio Lower Upper

42 100

74 170.4 138.6 207.8

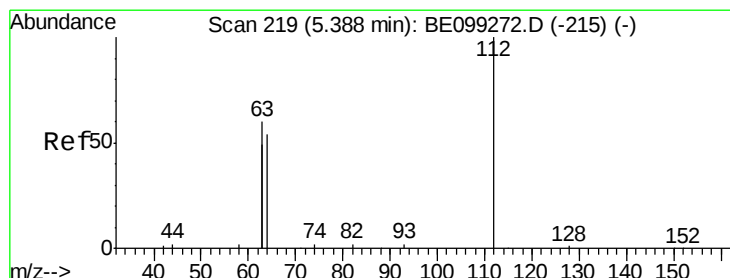
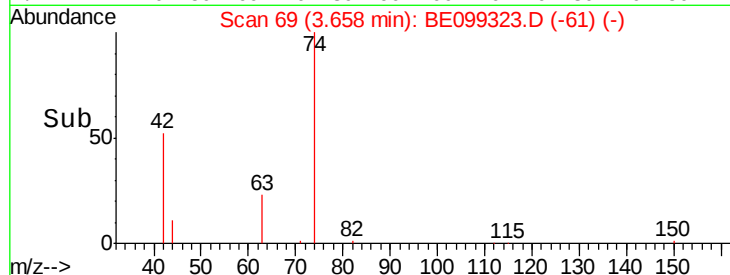
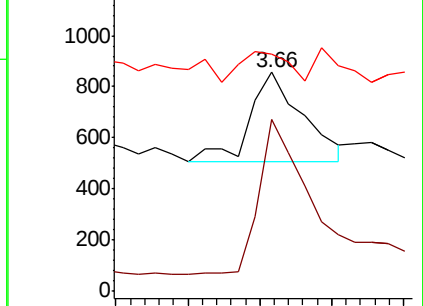
44 29.8 15.0 22.6#



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: 0.226 ng

RT: 5.40 min Scan# 220

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

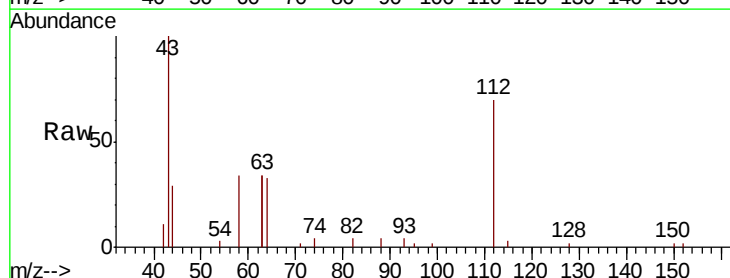
Tgt Ion: 112 Resp: 2935

Ion Ratio Lower Upper

112 100

64 58.1 46.2 69.2

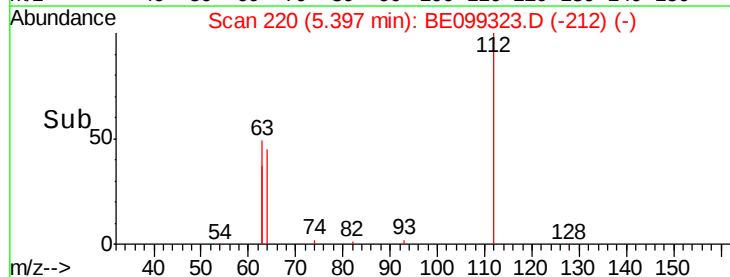
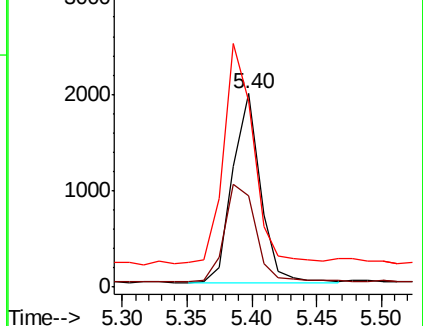
63 129.0 89.9 134.9

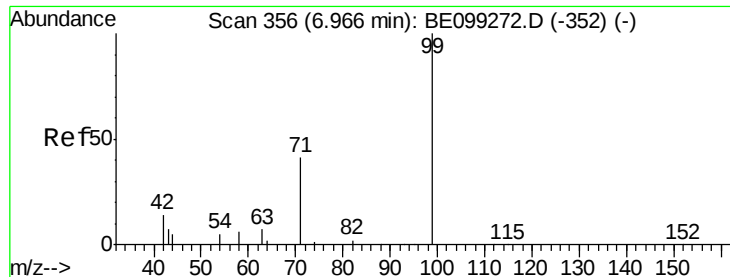


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.218 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

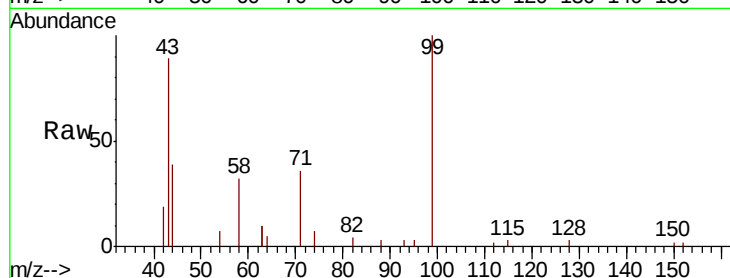
Tot Ion: 99 Resp: 3892

Ion Ratio Lower Upper

99 100

42 16.0 12.4 18.6

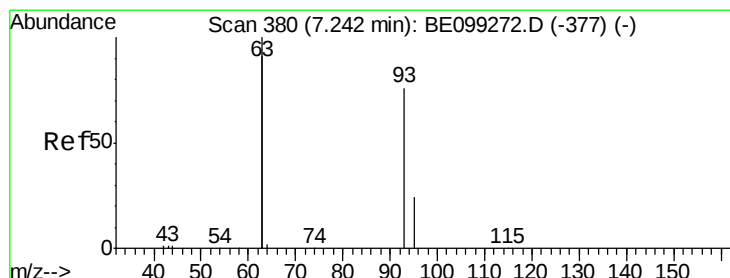
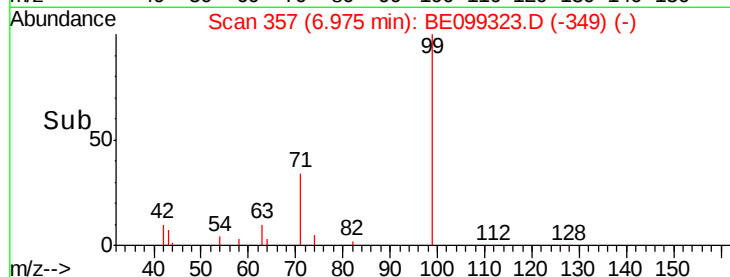
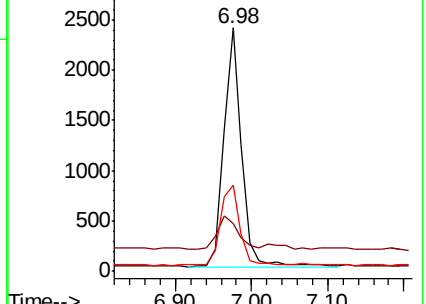
71 37.3 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.222 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

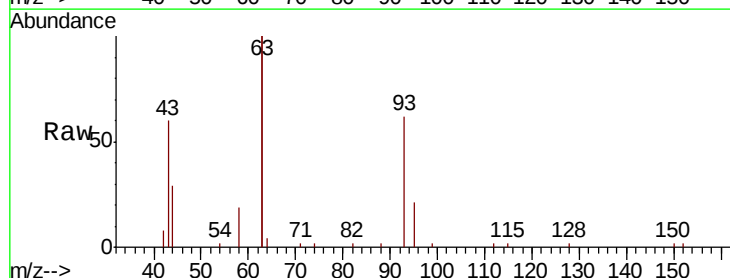
Tgt Ion: 93 Resp: 3550

Ion Ratio Lower Upper

93 100

63 293.2 221.4 332.0

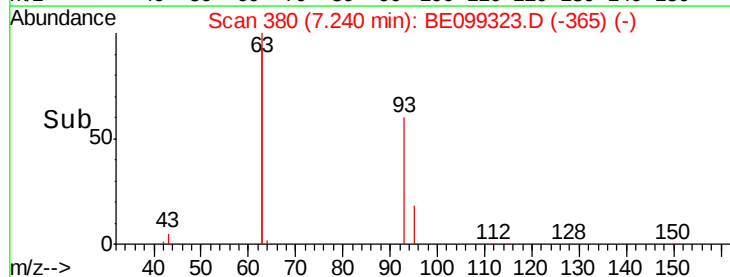
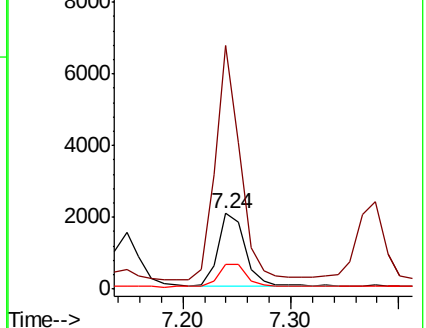
95 34.3 25.8 38.8

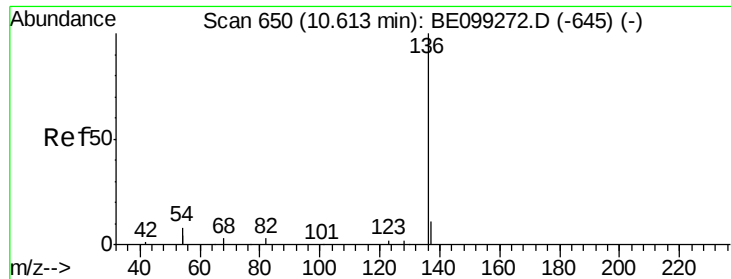


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.61 min Scan# 650

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

Tot Ion:136 Resp: 16678

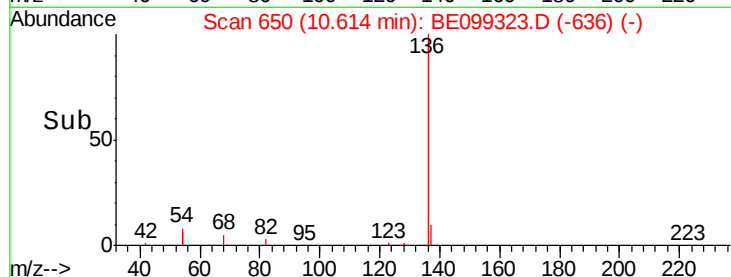
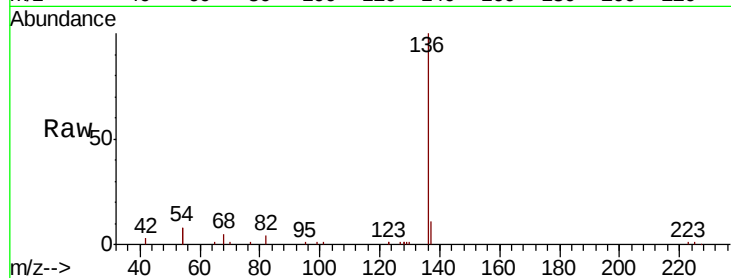
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 16.0 18.7 28.1#

68 5.1 5.2 7.8#

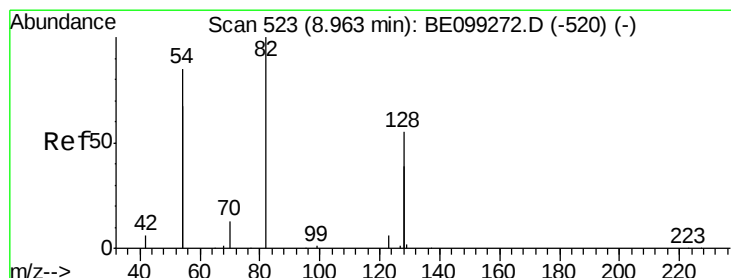
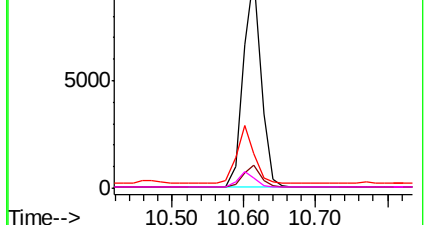


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.259 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

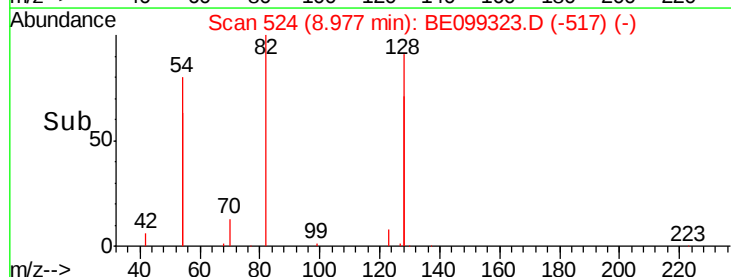
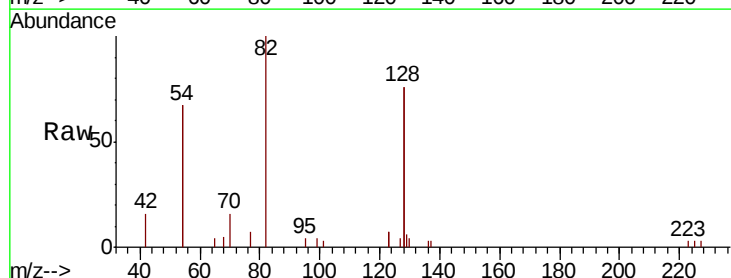
Tgt Ion: 82 Resp: 2967

Ion Ratio Lower Upper

82 100

128 152.8 107.5 161.3

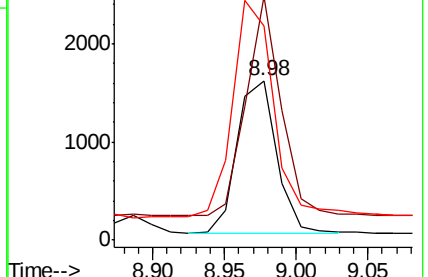
54 134.3 106.3 159.5

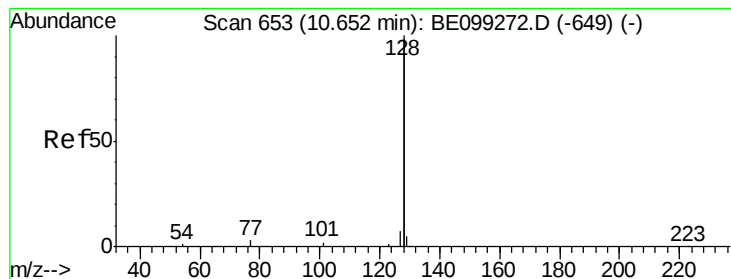


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.239 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.03 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

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ClientSampleId :

PB118846BS

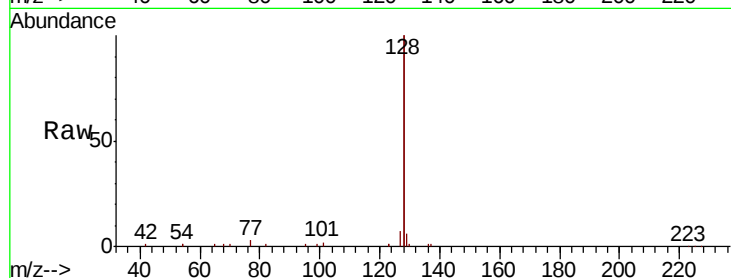
Tot Ion:128 Resp: 43264

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

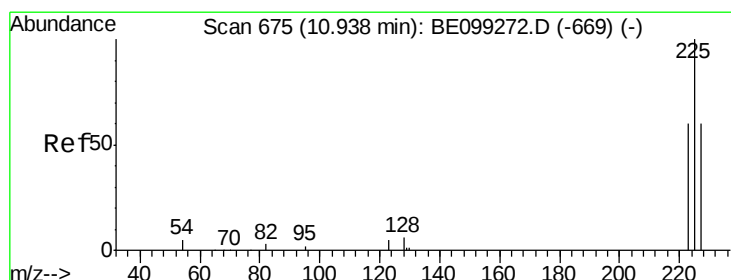
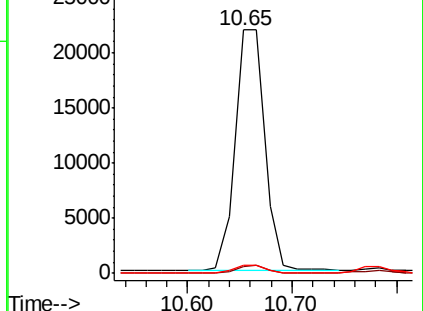
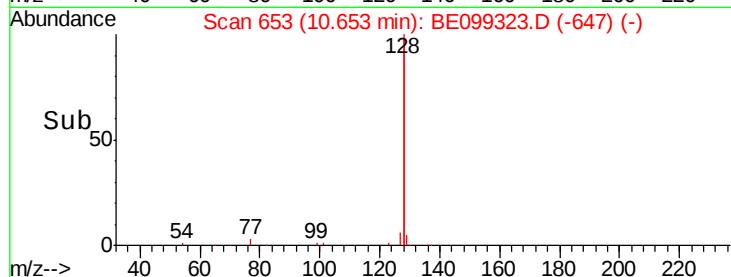
127 3.5 2.6 3.8



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: 0.229 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

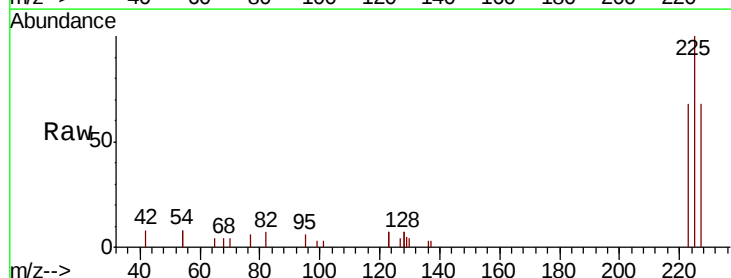
Tgt Ion:225 Resp: 2695

Ion Ratio Lower Upper

225 100

223 63.9 51.3 76.9

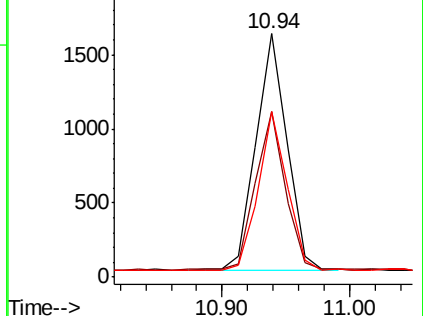
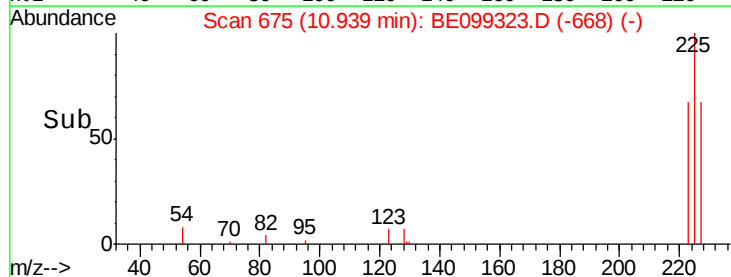
227 62.6 48.6 73.0

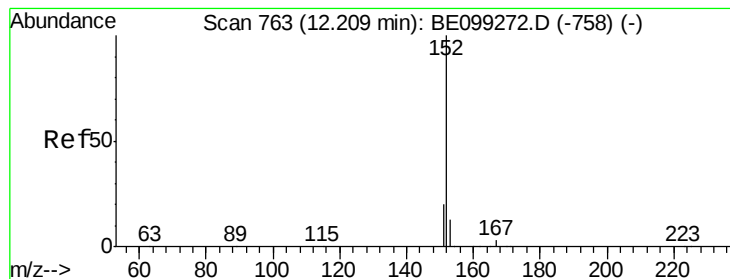


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.341 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

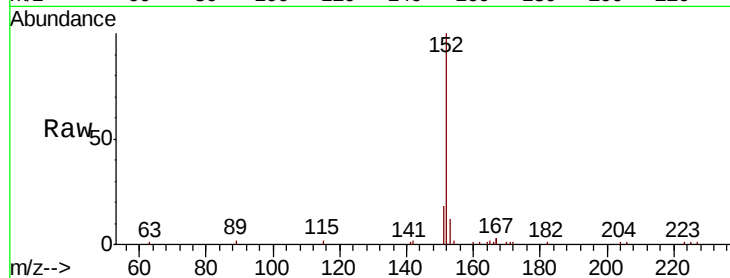
PB118846BS

Tot Ion:152 Resp: 9942

Ion Ratio Lower Upper

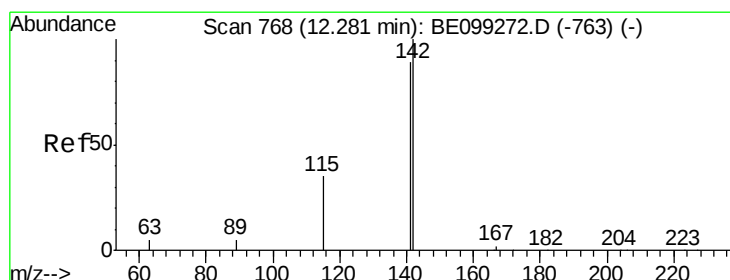
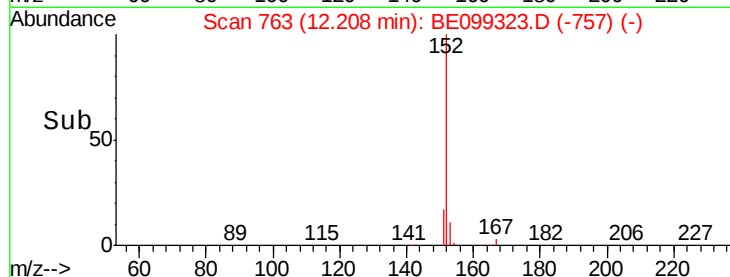
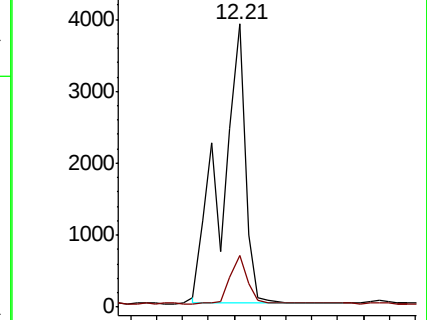
152 100

151 12.2 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.220 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

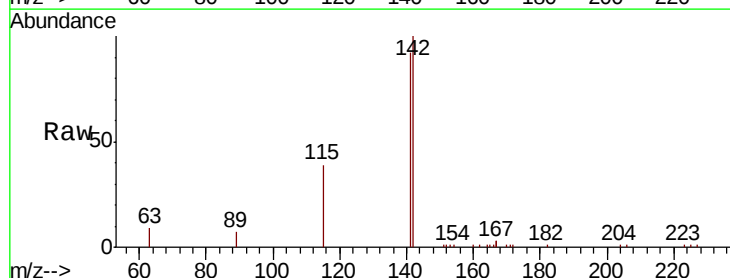
Tgt Ion:142 Resp: 6788

Ion Ratio Lower Upper

142 100

141 92.0 71.3 106.9

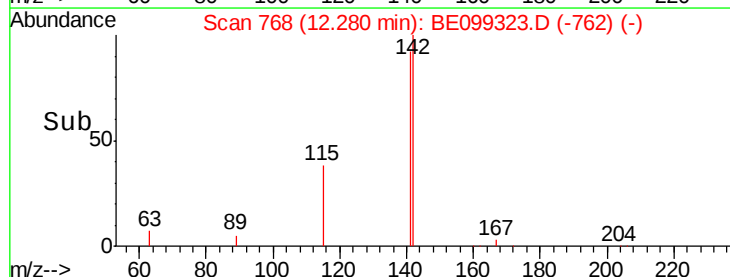
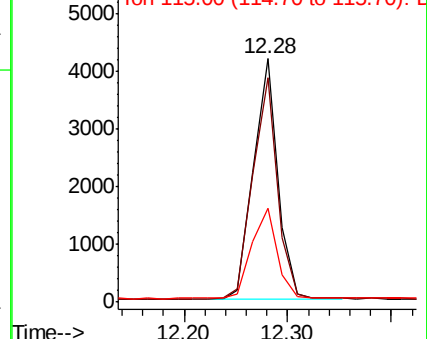
115 38.8 30.4 45.6

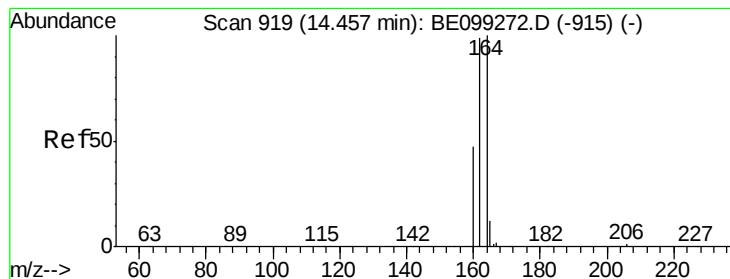


Abundance Ion 142.00 (141.70 to 142.70): E

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. -0.03 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

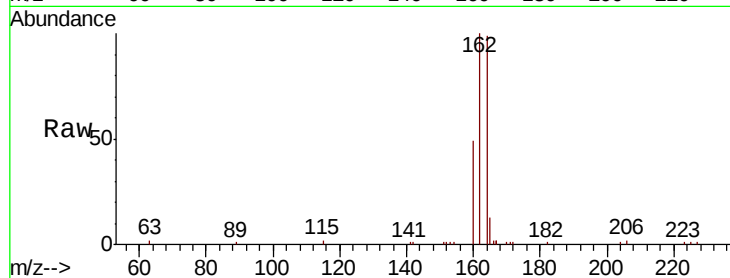
Tot Ion:164 Resp: 9210

Ion Ratio Lower Upper

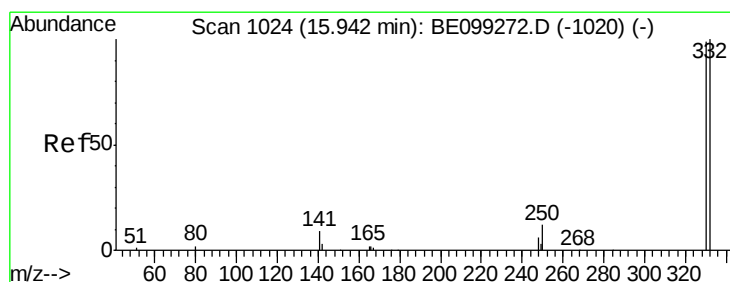
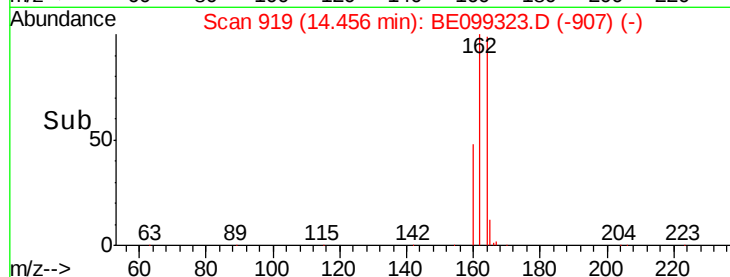
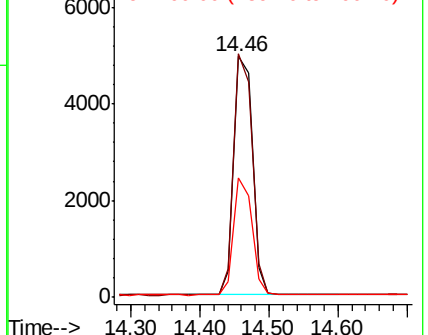
164 100

162 101.0 79.2 118.8

160 49.5 36.7 55.1



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: 0.151 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

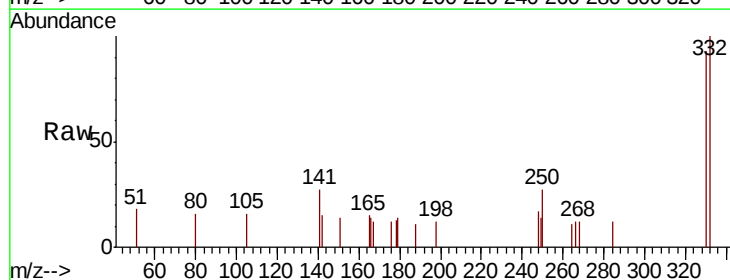
Tgt Ion:330 Resp: 642

Ion Ratio Lower Upper

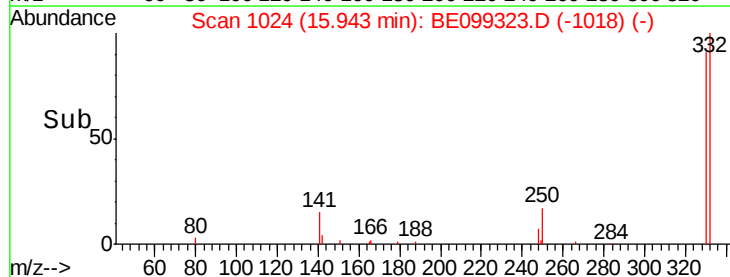
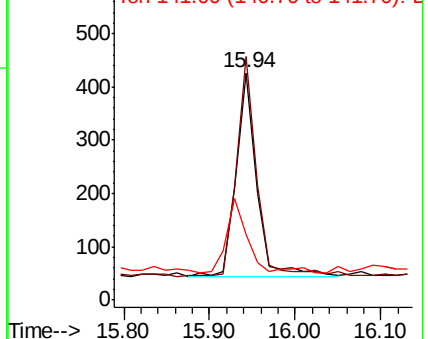
330 100

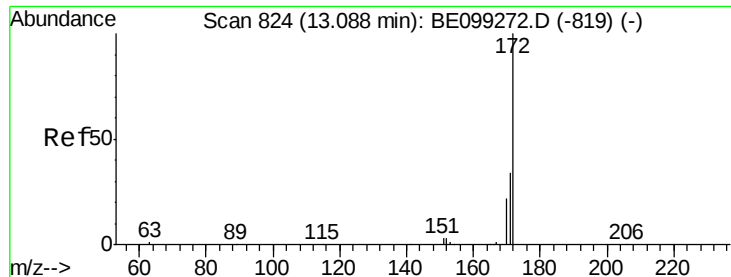
332 103.3 71.3 106.9

141 35.2 21.7 32.5#



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

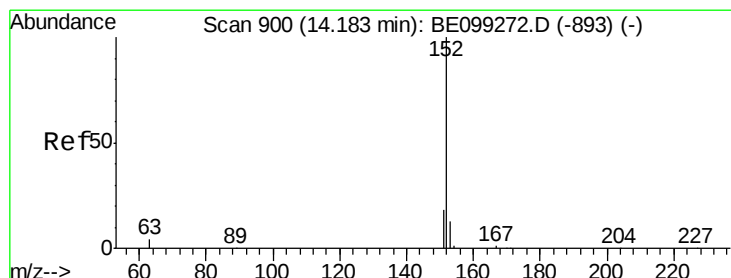
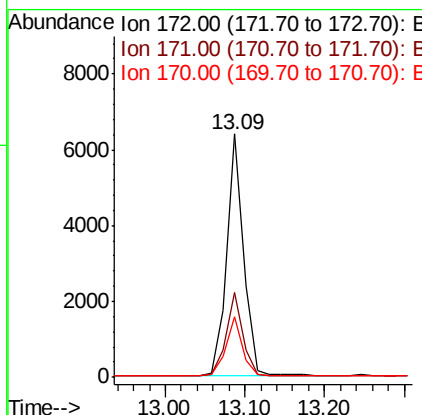
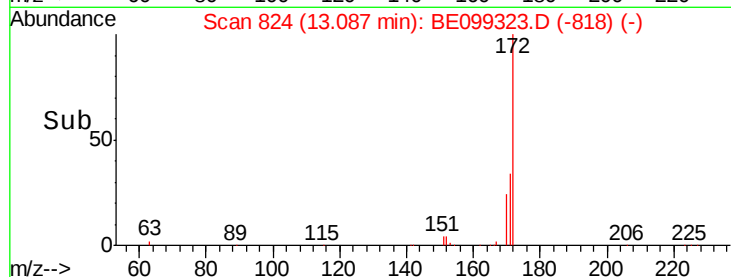
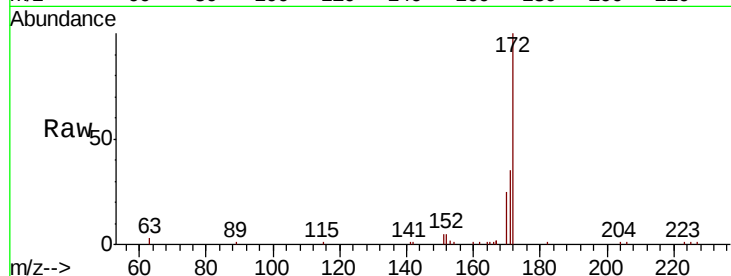




#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.02 min
Lab File: BE099323.D
Acq: 15 Apr 2019 11:32

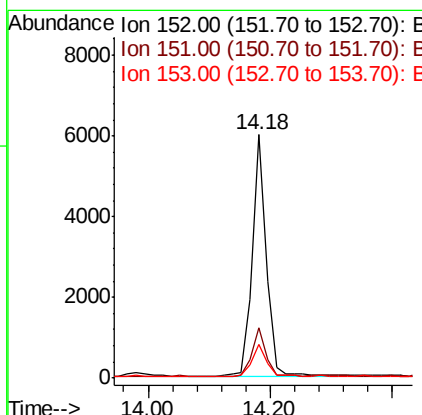
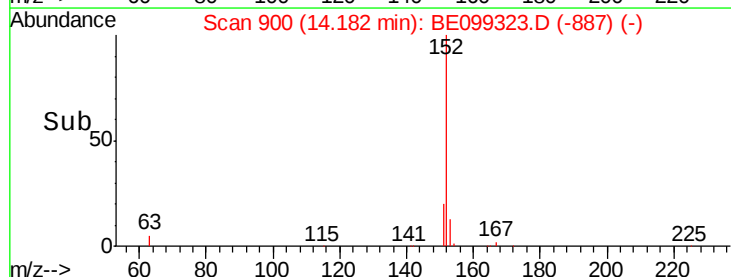
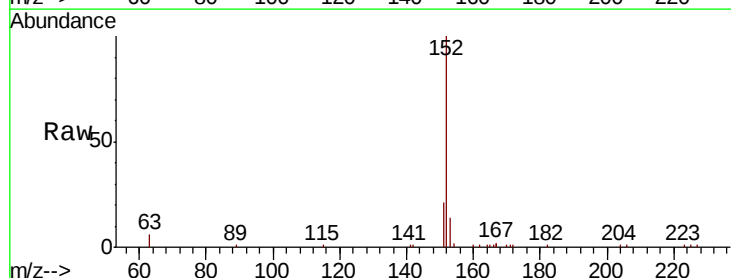
Instrument :
BNA_E
ClientSampleId :
PB118846BS

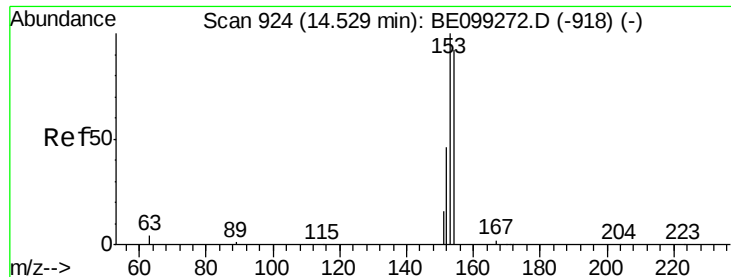
Tot Ion:172 Resp: 9278
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 24.8 19.1 28.7



#16
Acenaphthylene
Concen: 0.214 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.02 min
Lab File: BE099323.D
Acq: 15 Apr 2019 11:32

Tgt Ion:152 Resp: 9356
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.6 10.6 15.8

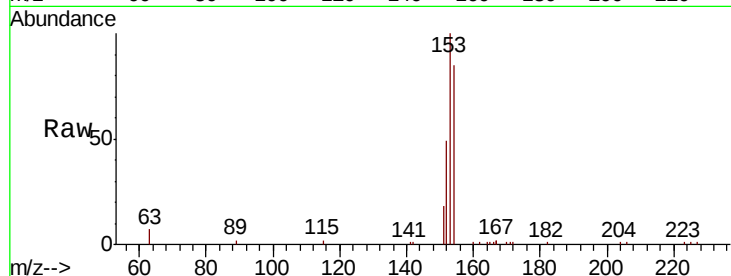




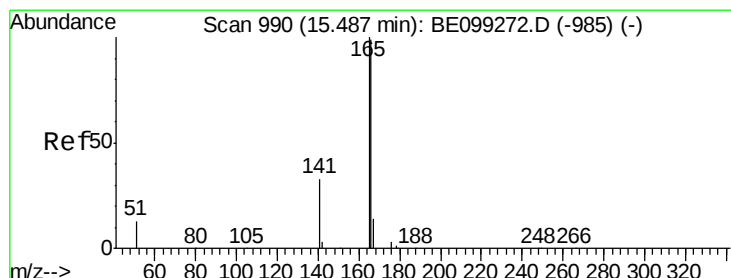
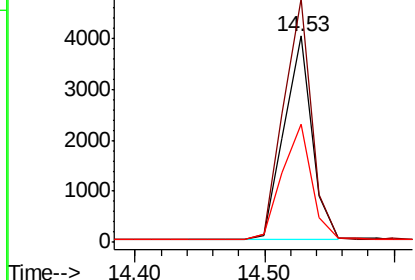
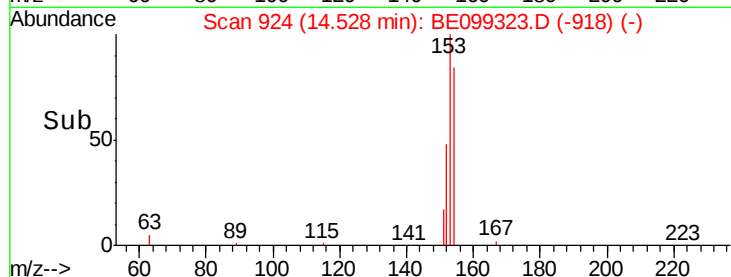
#17
Acenaphthene
Concen: 0.234 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.02 min
Lab File: BE099323.D
Acq: 15 Apr 2019 11:32

Instrument :
BNA_E
ClientSampleId :
PB118846BS

Tot Ion:154 Resp: 6016
Ion Ratio Lower Upper
154 100
153 118.0 93.4 140.0
152 59.1 46.6 69.8

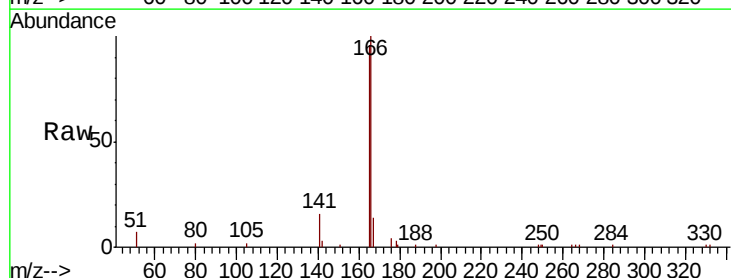


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

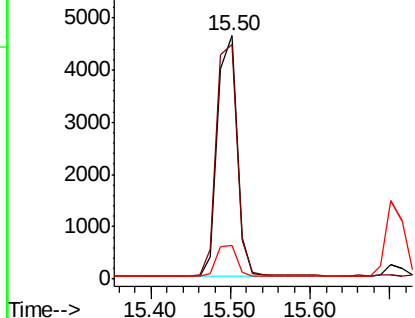
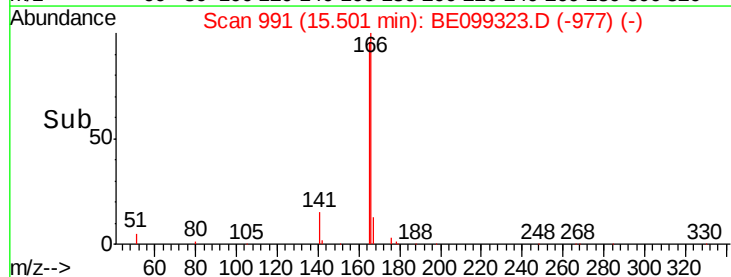


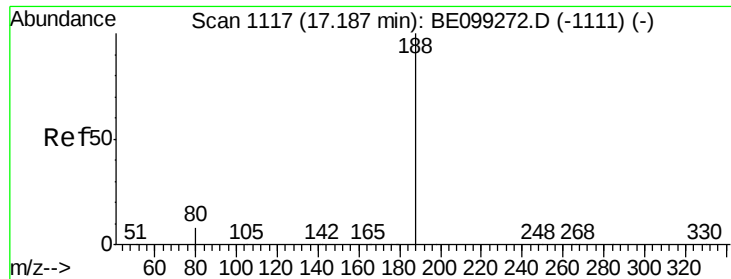
#18
Fluorene
Concen: 0.212 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE099323.D
Acq: 15 Apr 2019 11:32

Tgt Ion:166 Resp: 7888
Ion Ratio Lower Upper
166 100
165 103.6 78.9 118.3
167 13.7 10.9 16.3



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: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

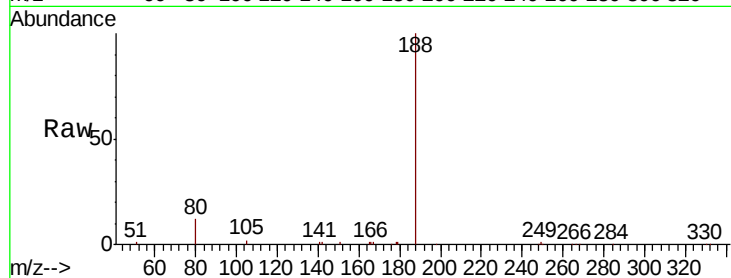
Tot Ion:188 Resp: 23361

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

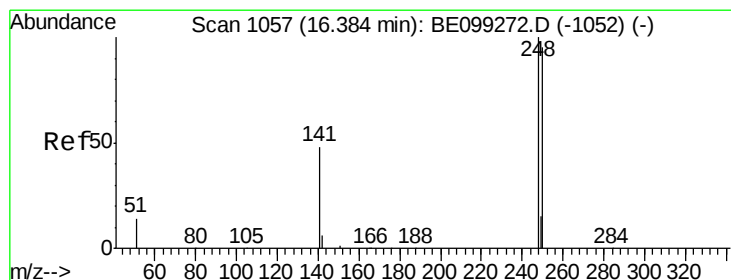
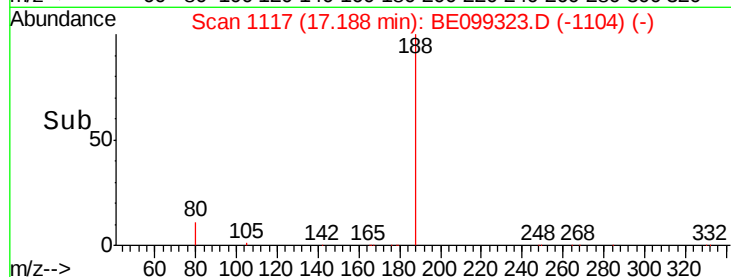
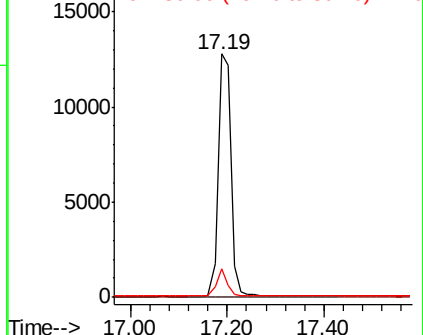
80 11.9 4.5 6.7#



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: 0.222 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

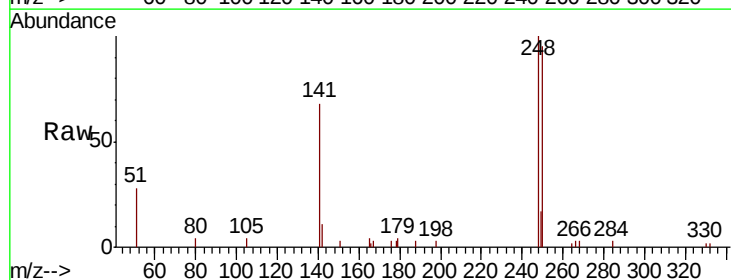
Tgt Ion:248 Resp: 2941

Ion Ratio Lower Upper

248 100

250 95.0 84.2 126.2

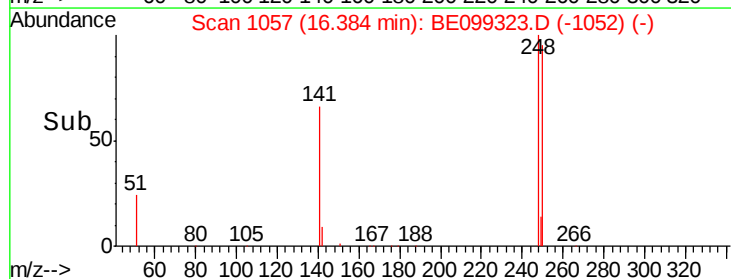
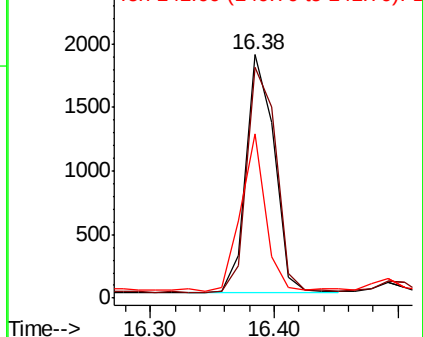
141 67.6 21.8 32.6#

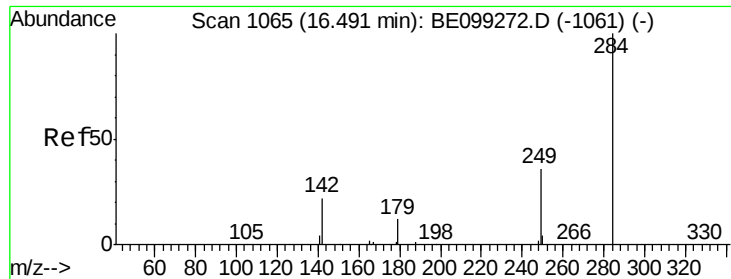


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

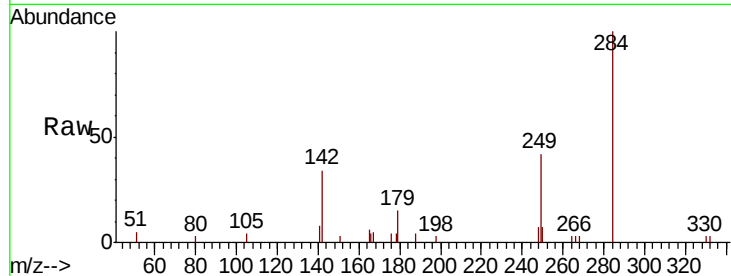




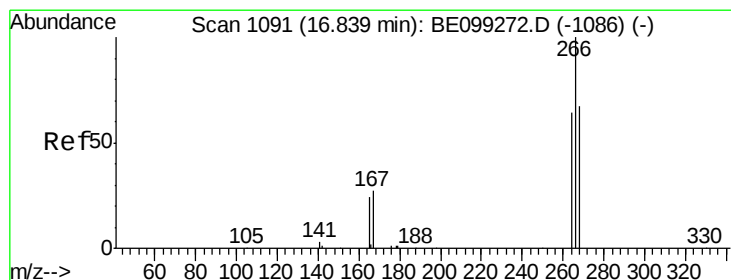
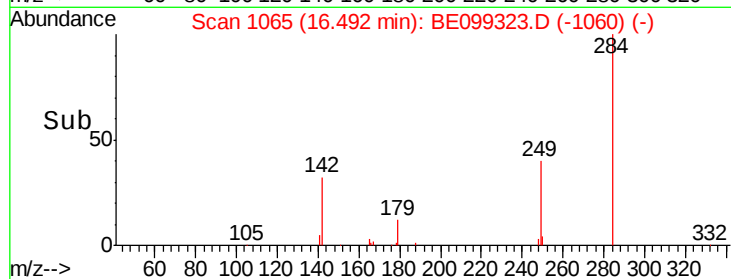
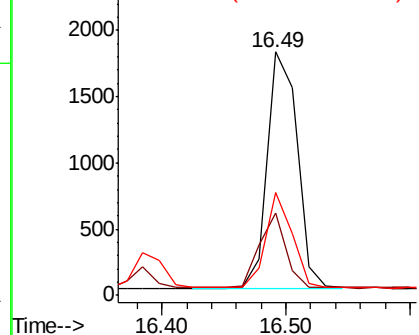
#21
Hexachlorobenzene
Concen: 0.237 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099323.D
Acq: 15 Apr 2019 11:32

Instrument :
BNA_E
ClientSampleId :
PB118846BS

Tot Ion:284 Resp: 2993
Ion Ratio Lower Upper
284 100
142 27.9 22.7 34.1
249 34.5 26.9 40.3

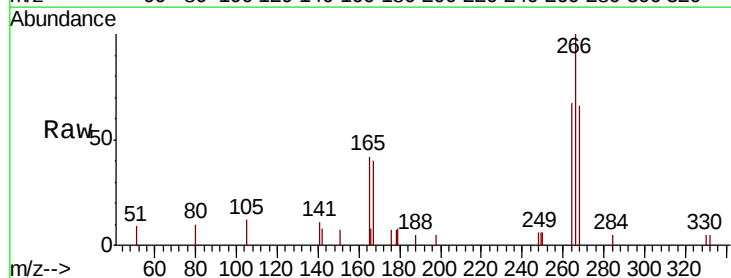


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

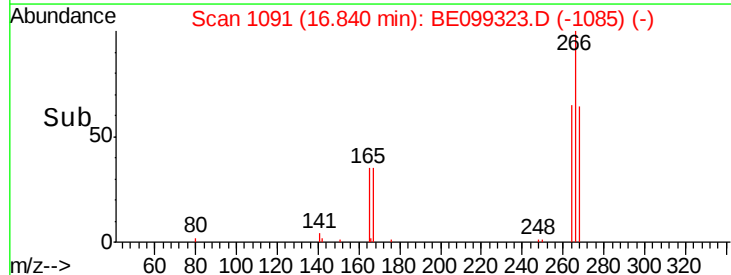
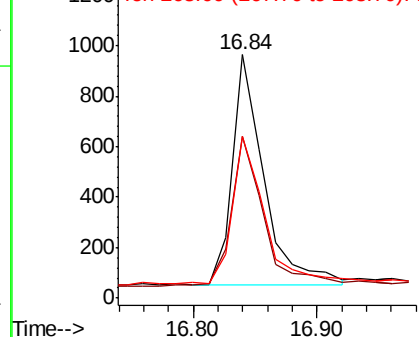


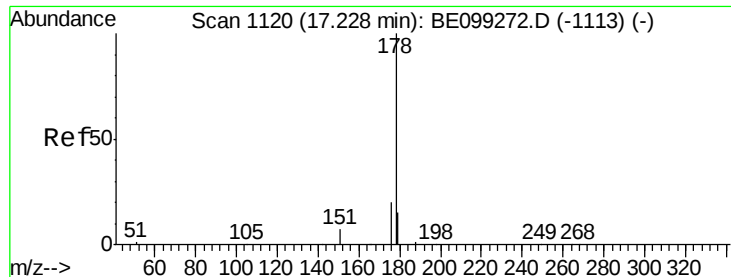
#22
Pentachlorophenol
Concen: 0.311 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099323.D
Acq: 15 Apr 2019 11:32

Tgt Ion:266 Resp: 1630
Ion Ratio Lower Upper
266 100
264 66.6 54.4 81.6
268 66.2 61.3 91.9



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: 0.242 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

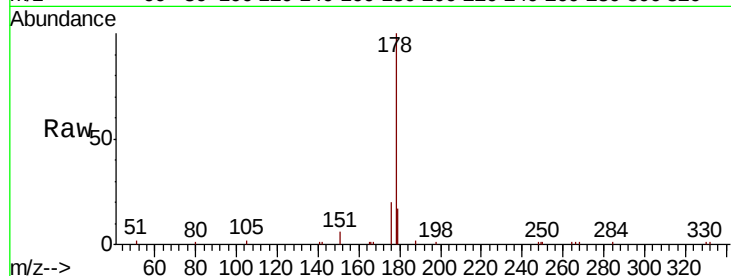
Tot Ion:178 Resp: 14606

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

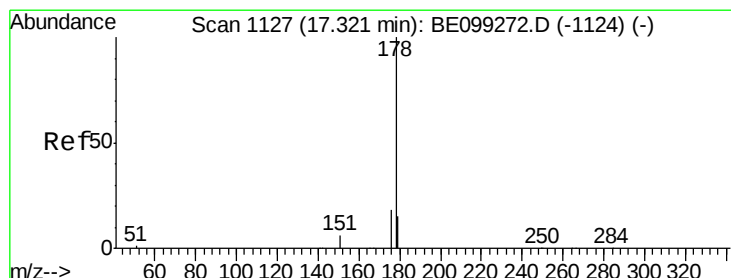
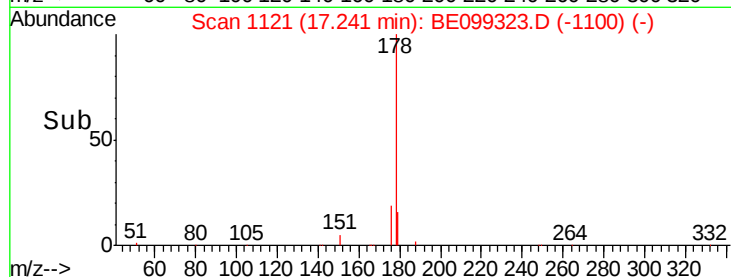
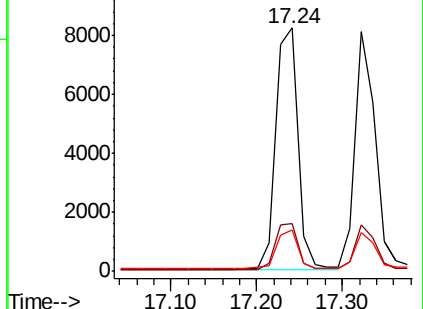
179 16.0 12.3 18.5



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: 0.227 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

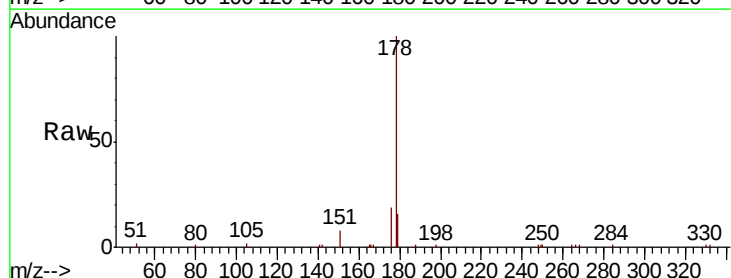
Tgt Ion:178 Resp: 12936

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

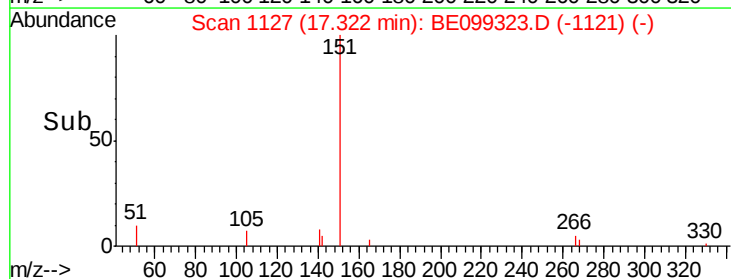
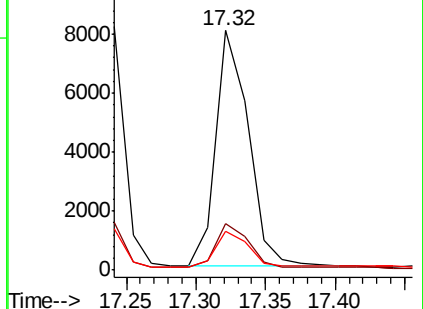
179 15.5 12.4 18.6

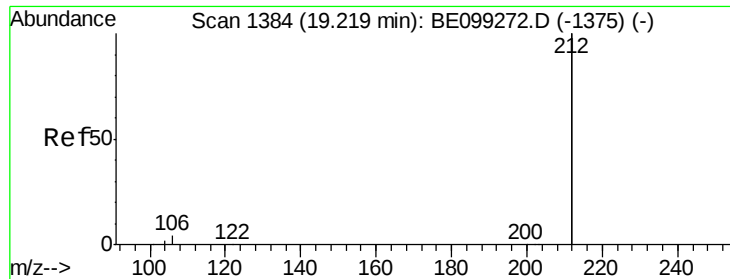


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.204 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

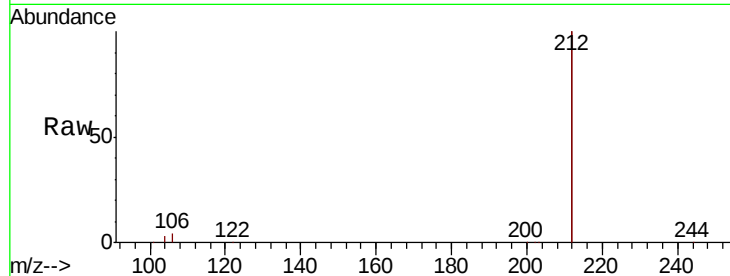
Tot Ion:212 Resp: 62798

Ion Ratio Lower Upper

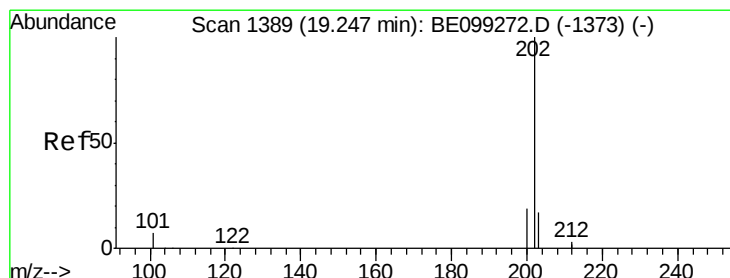
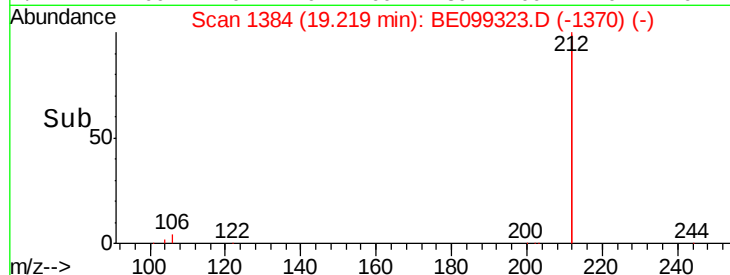
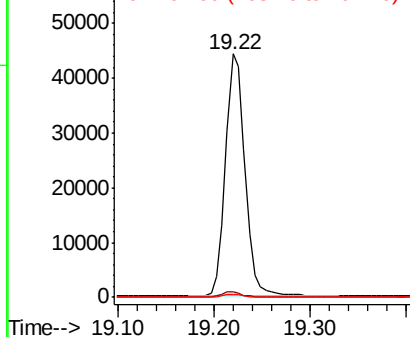
212 100

106 2.2 1.8 2.8

104 1.2 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: 0.201 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

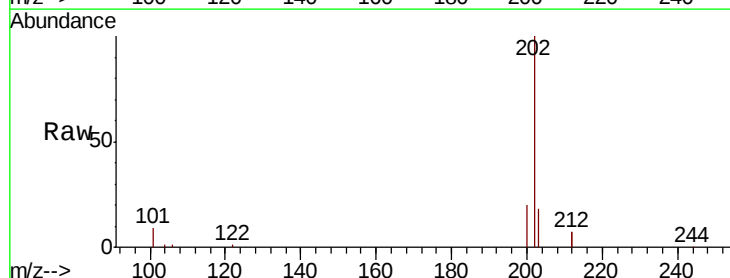
Tgt Ion:202 Resp: 17961

Ion Ratio Lower Upper

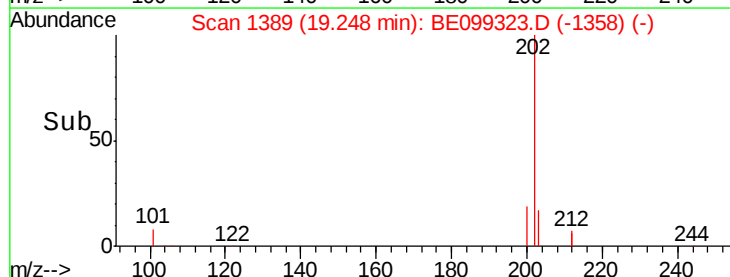
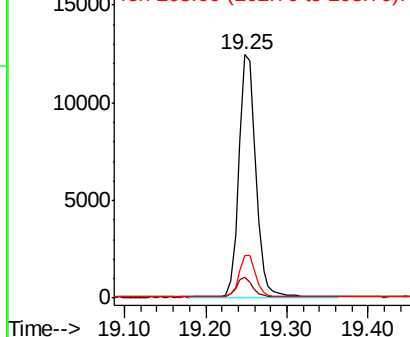
202 100

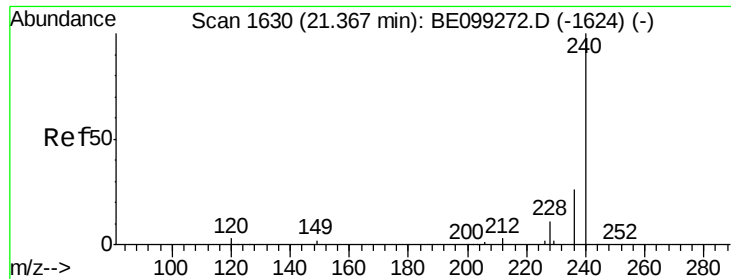
101 7.8 7.0 10.4

203 16.8 13.8 20.6



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: 21.37 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

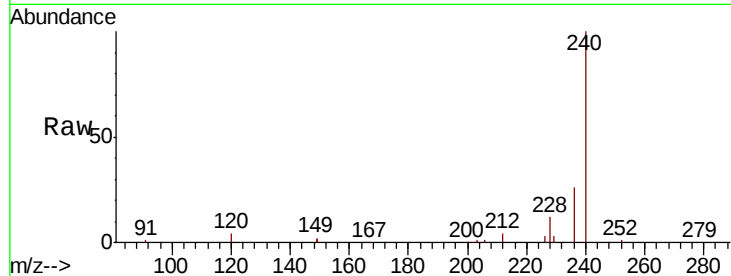
Tot Ion:240 Resp: 31233

Ion Ratio Lower Upper

240 100

120 4.4 2.6 3.8#

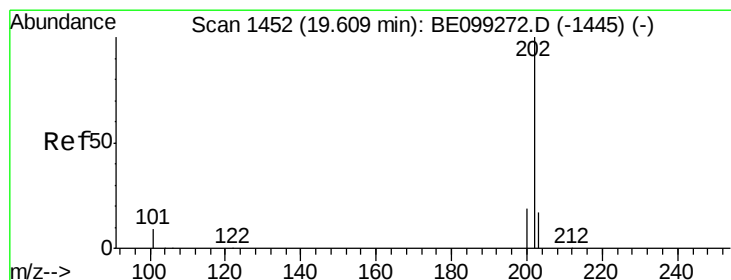
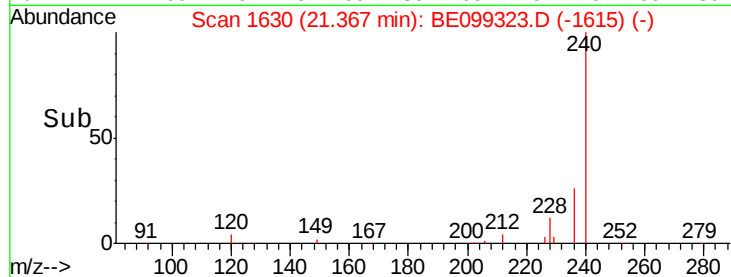
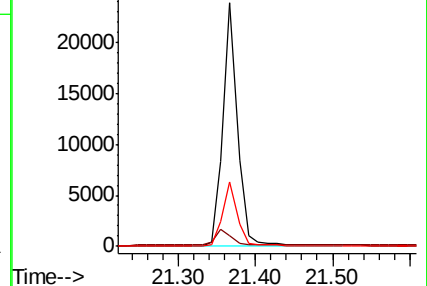
236 26.4 20.9 31.3



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: 0.223 ng

RT: 19.62 min Scan# 1453

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

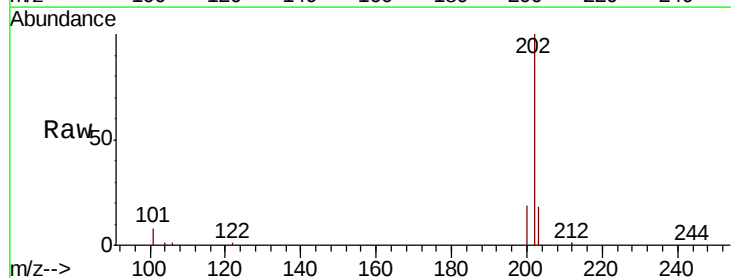
Tgt Ion:202 Resp: 18410

Ion Ratio Lower Upper

202 100

200 19.2 15.8 23.8

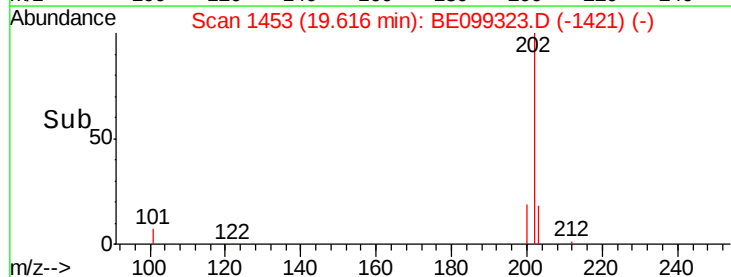
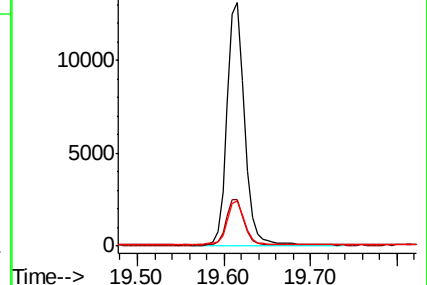
203 18.5 14.1 21.1

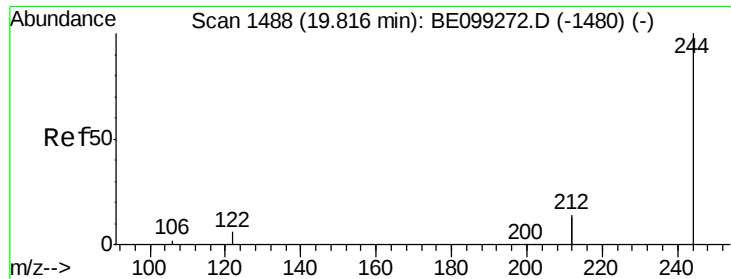


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.195 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

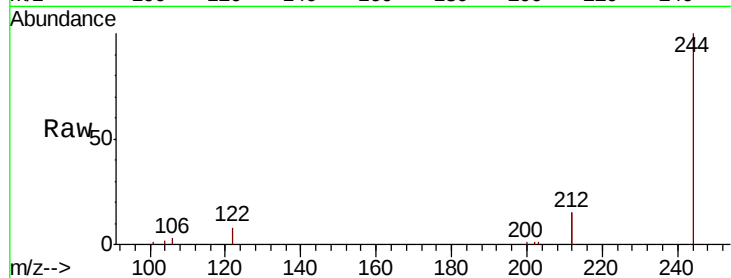
Tot Ion:244 Resp: 11132

Ion Ratio Lower Upper

244 100

212 30.7 22.7 34.1

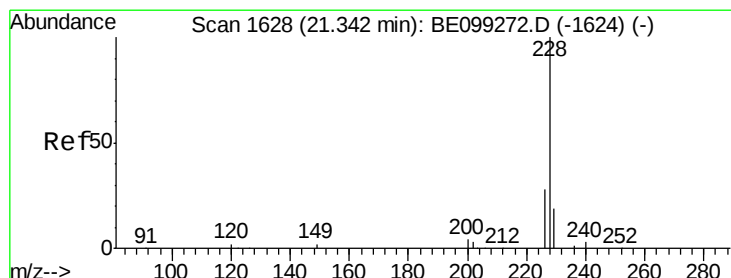
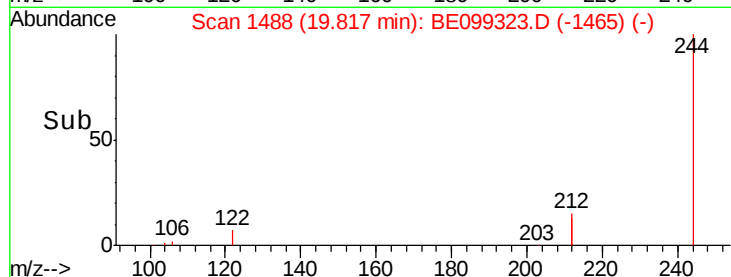
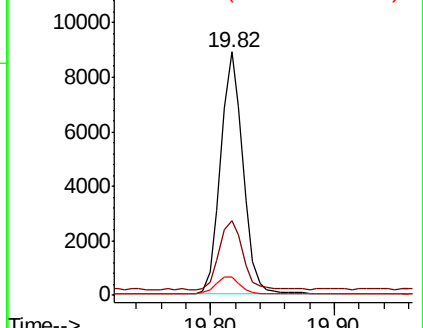
122 7.6 5.8 8.6



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: 0.231 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

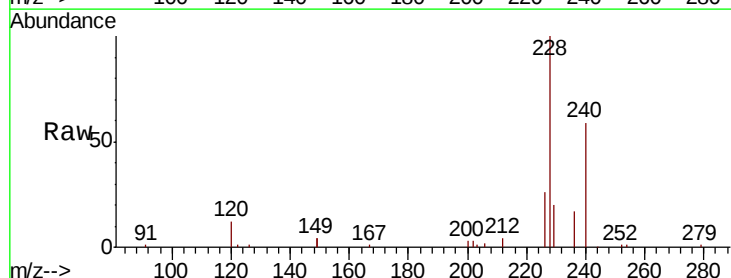
Tgt Ion:228 Resp: 22755

Ion Ratio Lower Upper

228 100

226 26.2 21.7 32.5

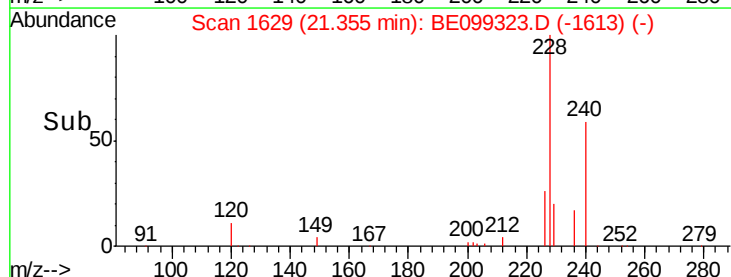
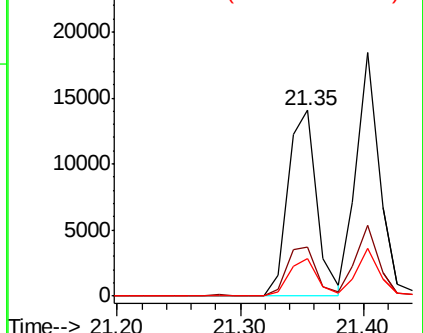
229 20.2 15.9 23.9

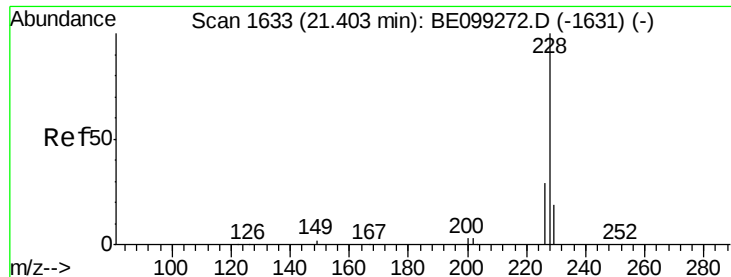


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.248 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

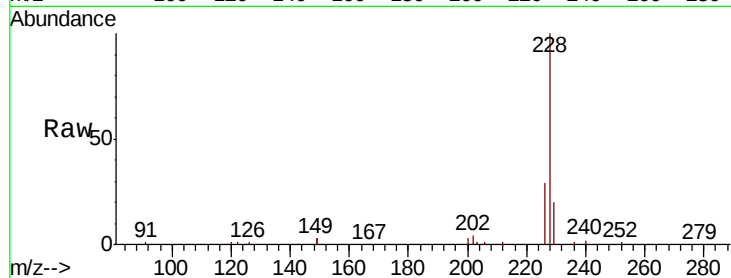
Tot Ion:228 Resp: 23958

Ion Ratio Lower Upper

228 100

226 29.3 24.8 37.2

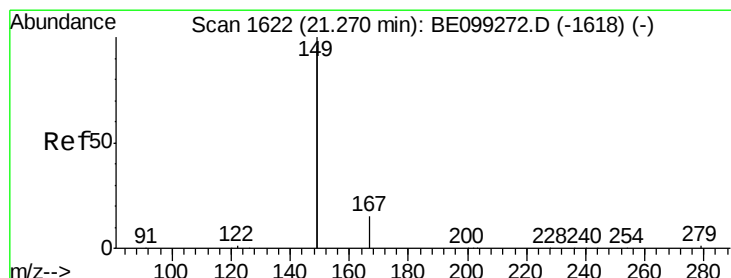
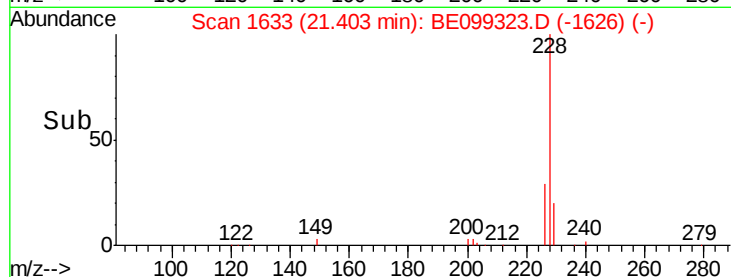
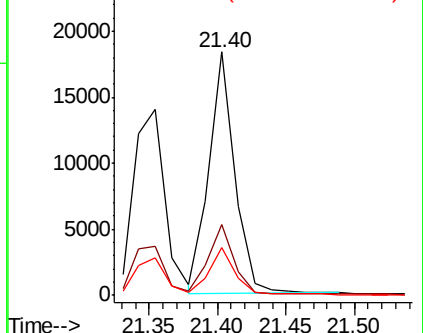
229 19.8 15.4 23.0



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: 0.155 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.02 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

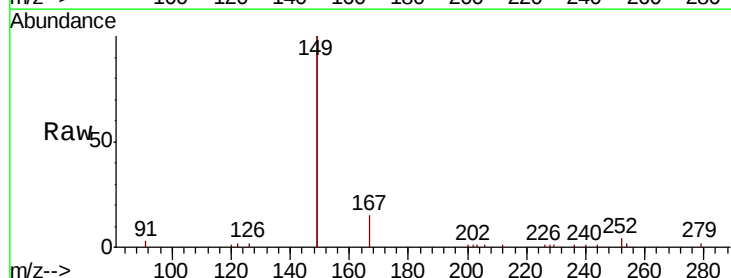
Tgt Ion:149 Resp: 19420

Ion Ratio Lower Upper

149 100

167 7.6 5.9 8.9

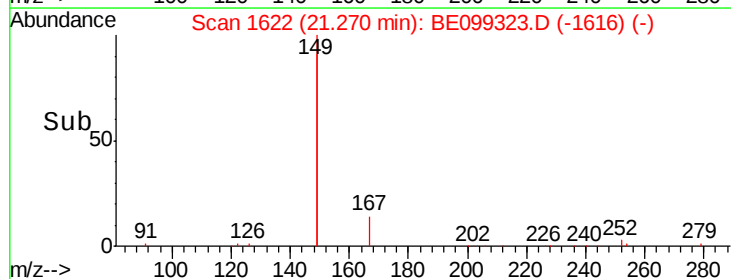
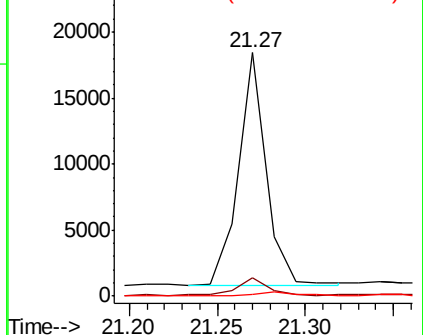
279 1.4 1.0 1.6

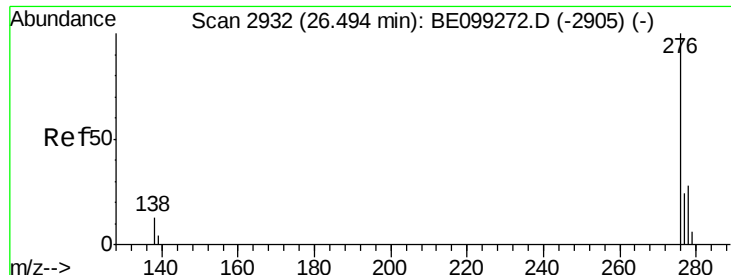


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.243 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.05 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

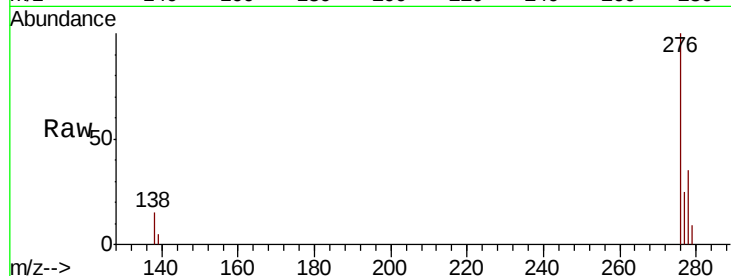
Tot Ion:276 Resp: 26743

Ion Ratio Lower Upper

276 100

138 15.8 12.9 19.3

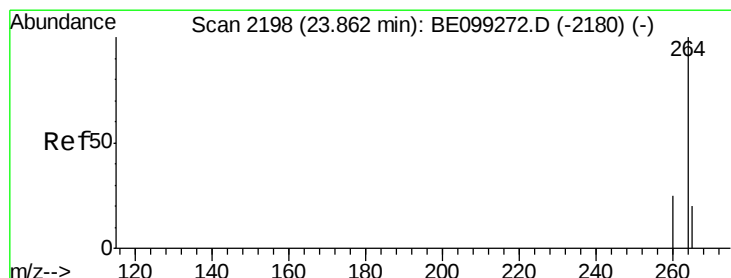
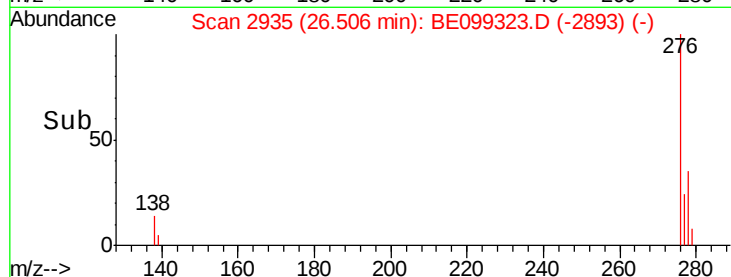
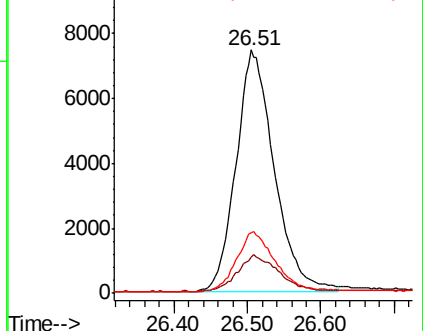
277 24.6 18.3 27.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

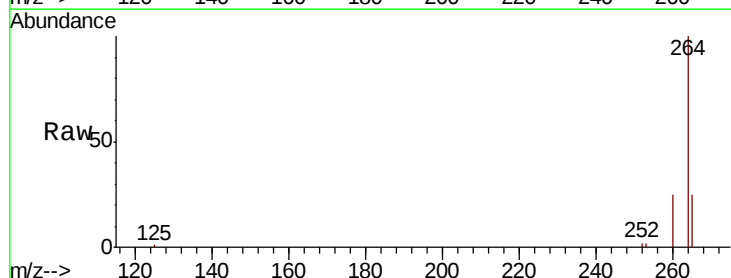
Tgt Ion:264 Resp: 33640

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.2

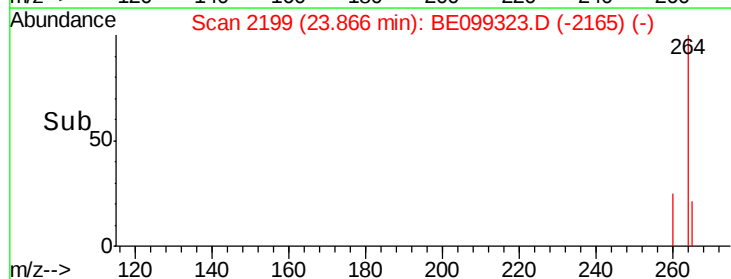
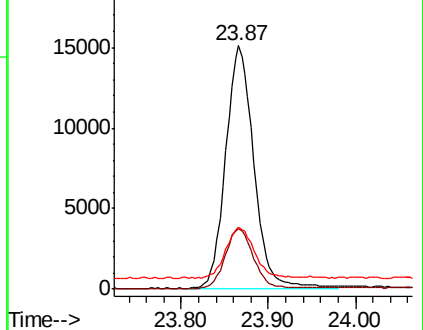
265 25.4 21.8 32.8

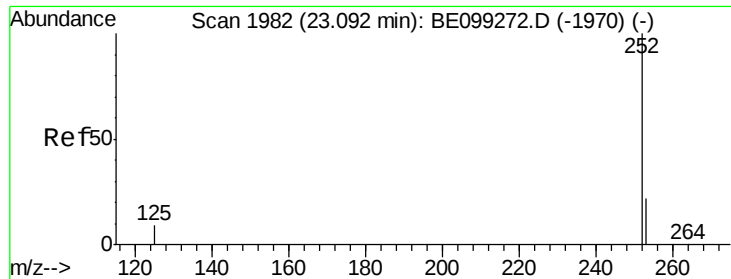


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.235 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.03 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

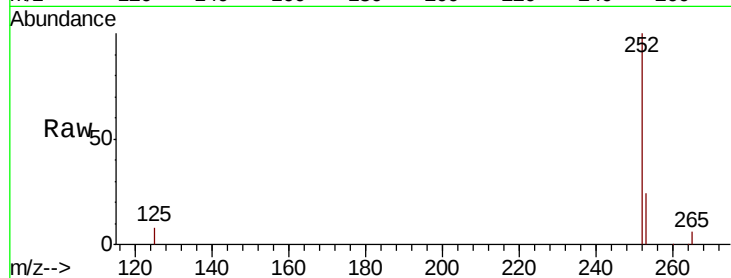
Tot Ion:252 Resp: 23556

Ion Ratio Lower Upper

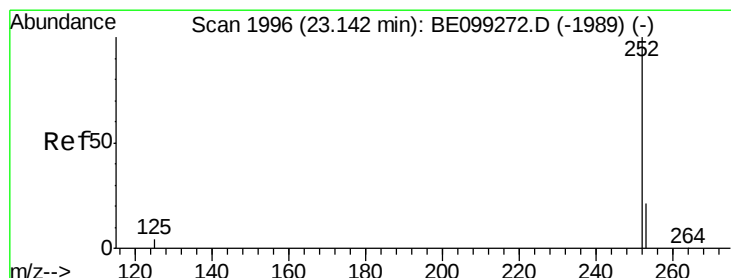
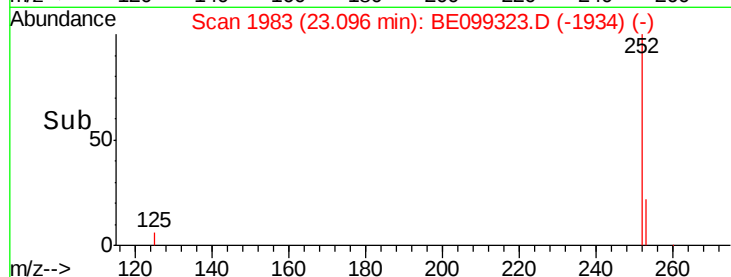
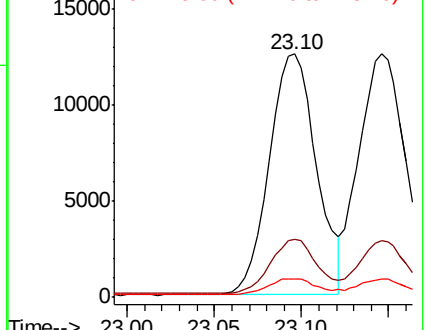
252 100

253 23.8 17.8 26.8

125 7.6 6.1 9.1



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: 0.240 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

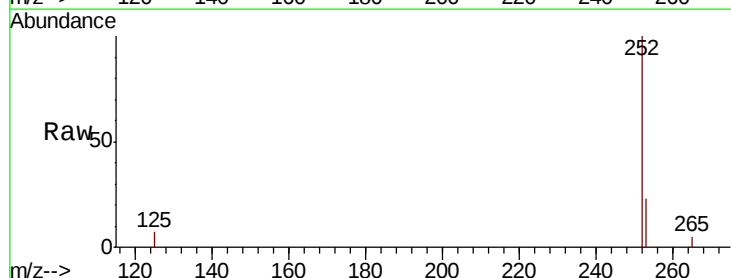
Tgt Ion:252 Resp: 23486

Ion Ratio Lower Upper

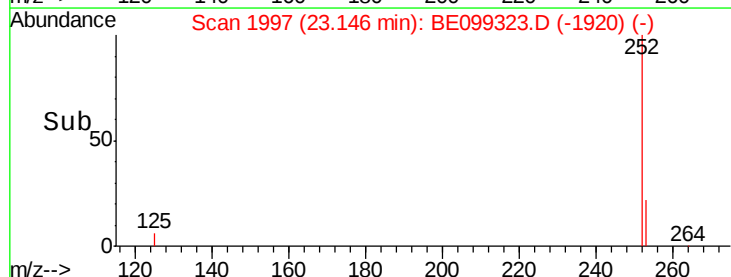
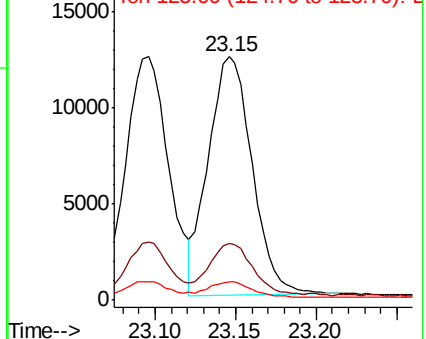
252 100

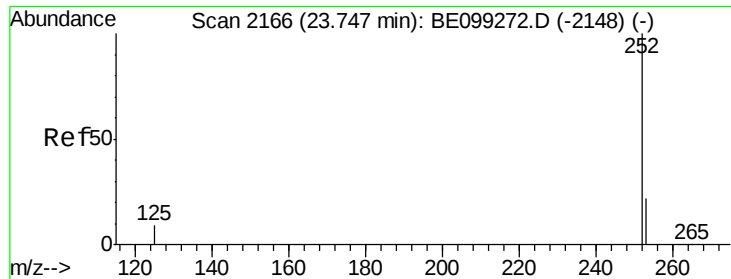
253 23.3 17.8 26.6

125 7.5 5.9 8.9



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





#37

Benzo(a)pyrene

Concen: 0.236 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

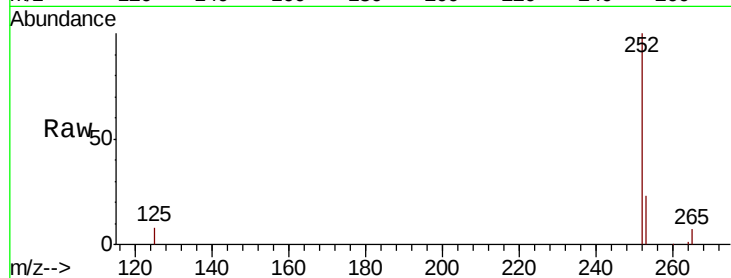
Tot Ion:252 Resp: 22287

Ion Ratio Lower Upper

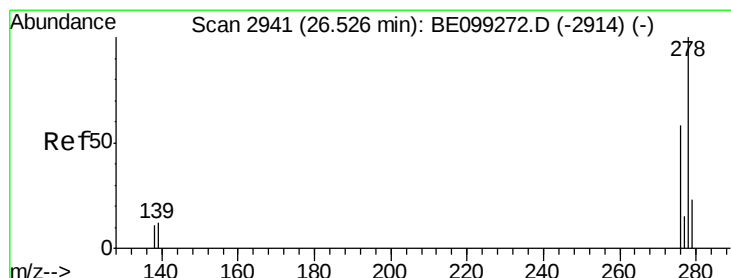
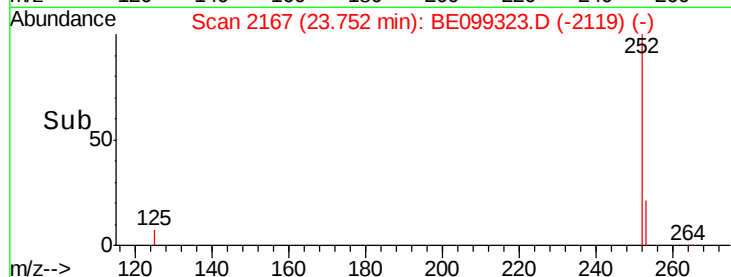
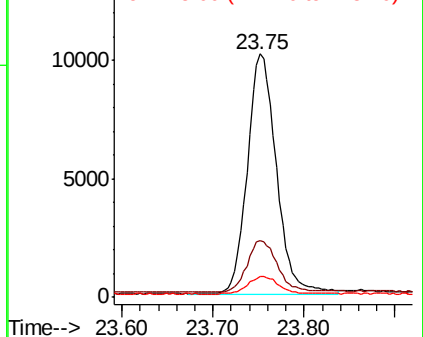
252 100

253 23.1 18.1 27.1

125 8.3 6.8 10.2



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: 0.236 ng

RT: 26.53 min Scan# 2943

Delta R.T. -0.05 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

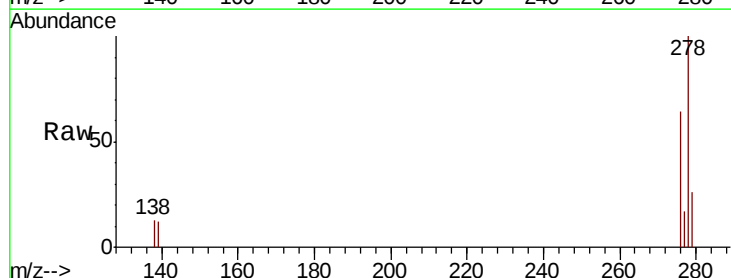
Tgt Ion:278 Resp: 22151

Ion Ratio Lower Upper

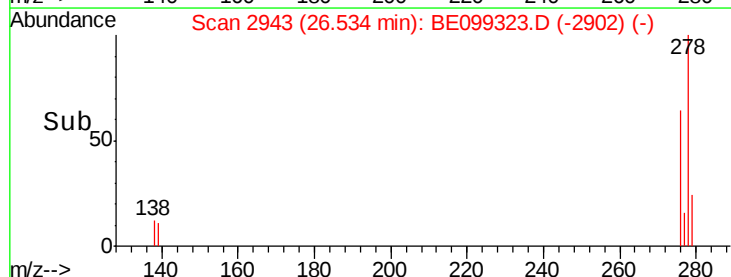
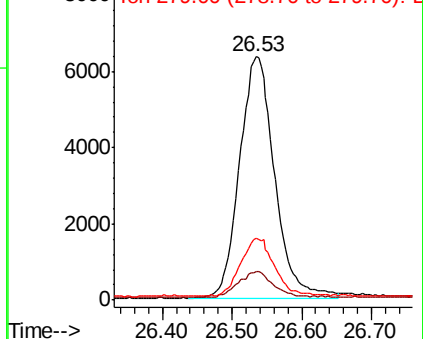
278 100

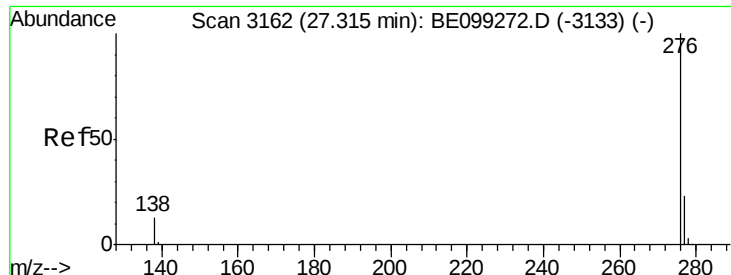
139 11.7 9.5 14.3

279 25.6 19.1 28.7



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: 0.251 ng

RT: 27.33 min Scan# 3165

Delta R.T. -0.05 min

Lab File: BE099323.D

Acq: 15 Apr 2019 11:32

Instrument :

BNA_E

ClientSampleId :

PB118846BS

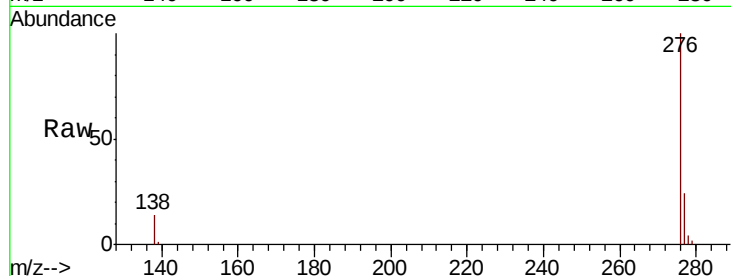
Tot Ion: 276 Resp: 23483

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.4

138 14.0 11.1 16.7



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

