

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051019\
 Data File : BE099603.D
 Acq On : 10 May 2019 17:42
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 11 01:01:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 09 13:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2051	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	7305	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4905	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	13655	0.40	ng	0.00
27) Chrysene-d12	21.43	240	18306	0.40	ng	0.00
34) Perylene-d12	23.97	264	21989	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2269	0.40	ng	0.00
5) Phenol-d6	6.98	99	2955	0.40	ng	0.00
8) Nitrobenzene-d5	8.98	82	2827	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4951	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1190	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	7771	0.41	ng	0.00
25) Fluoranthene-d10	19.27	212	72268	0.40	ng	0.00
29) Terphenyl-d14	19.87	244	15209	0.47	ng	0.00

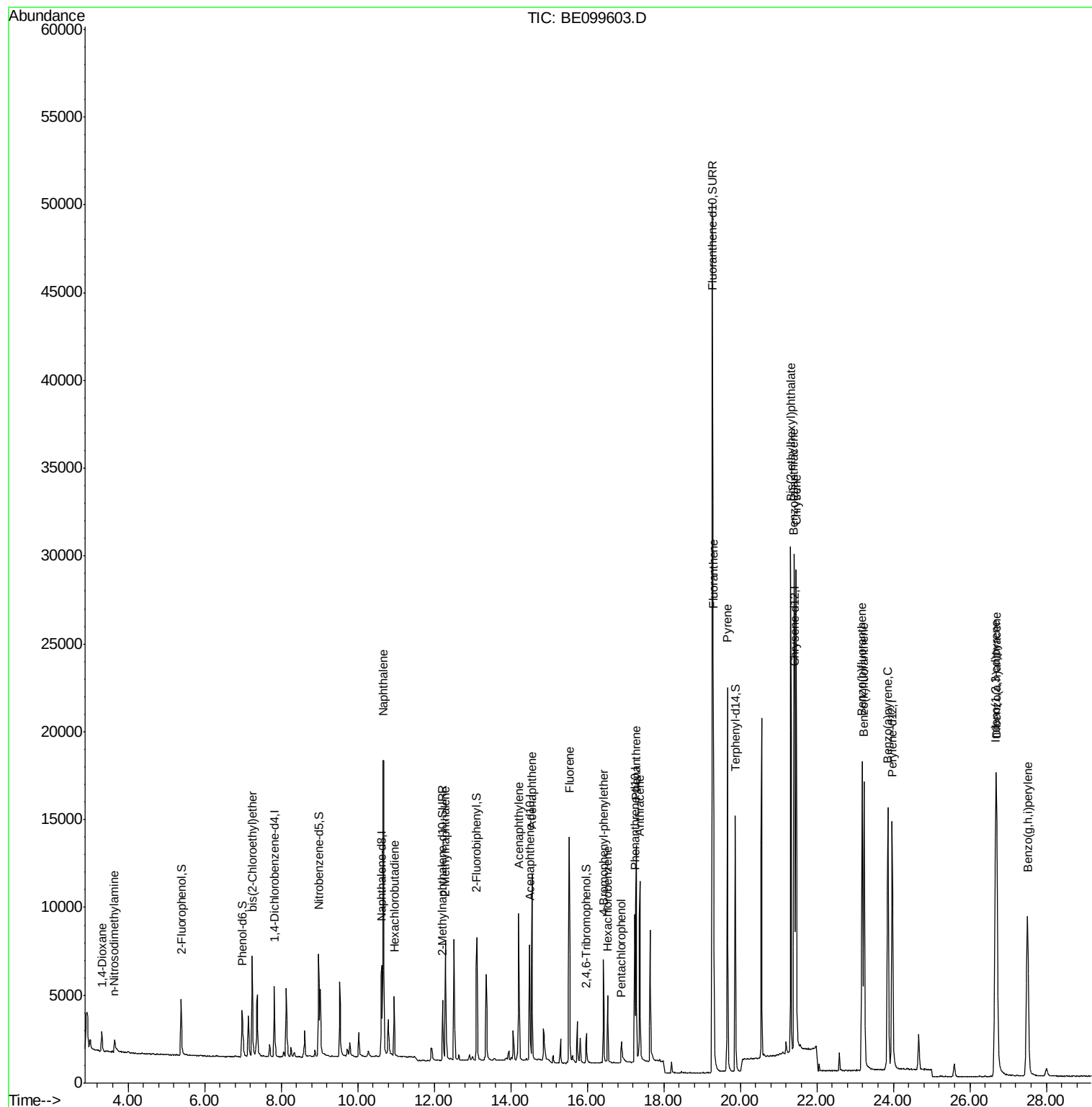
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	1030	0.356	ng	# 88
3) n-Nitrosodimethylamine	3.64	42	594	0.332	ng	# 93
6) bis(2-Chloroethyl)ether	7.24	93	2555	0.417	ng	93
9) Naphthalene	10.68	128	32463	0.417	ng	100
10) Hexachlorobutadiene	10.95	225	2353	0.419	ng	98
12) 2-Methylnaphthalene	12.30	142	5242	0.412	ng	98
16) Acenaphthylene	14.21	152	9441	0.398	ng	100
17) Acenaphthene	14.56	154	5420	0.409	ng	100
18) Fluorene	15.53	166	7811	0.413	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	3186	0.409	ng	95
21) Hexachlorobenzene	16.53	284	3329	0.426	ng	99
22) Pentachlorophenol	16.89	266	1149	0.511	ng	94
23) Phenanthrene	17.28	178	14379	0.424	ng	98
24) Anthracene	17.38	178	13021	0.409	ng	99
26) Fluoranthene	19.30	202	21416	0.420	ng	100
28) Pyrene	19.67	202	22086	0.458	ng	99
30) Benzo(a)anthracene	21.40	228	25732	0.460	ng	98
31) Chrysene	21.46	228	25054	0.448	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	34026	0.424	ng	100
33) Indeno(1,2,3-cd)pyrene	26.67	276	31334	0.449	ng	99
35) Benzo(b)fluoranthene	23.19	252	25684	0.423	ng	# 96
36) Benzo(k)fluoranthene	23.24	252	25904	0.429	ng	98
37) Benzo(a)pyrene	23.86	252	25013	0.425	ng	# 96
38) Dibenzo(a,h)anthracene	26.70	278	25761	0.419	ng	# 97
39) Benzo(g,h,i)perylene	27.51	276	25732	0.413	ng	99

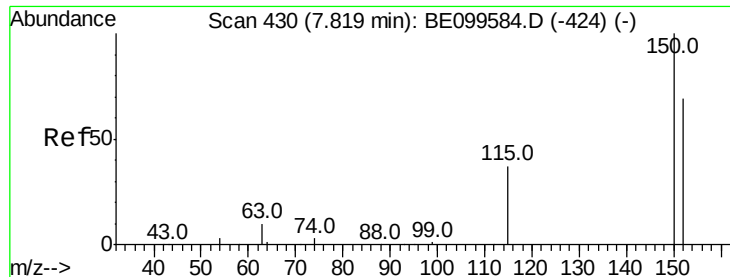
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

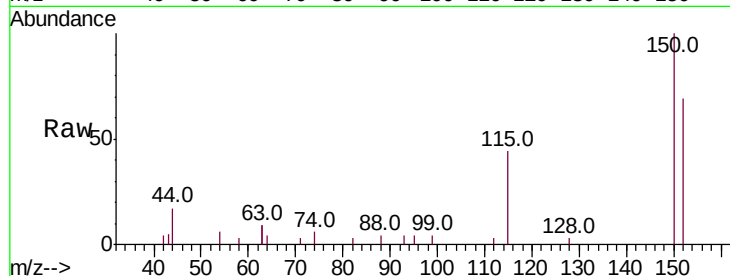
Tot Ion:152 Resp: 2051

Ion Ratio Lower Upper

152 100

150 145.7 114.2 171.4

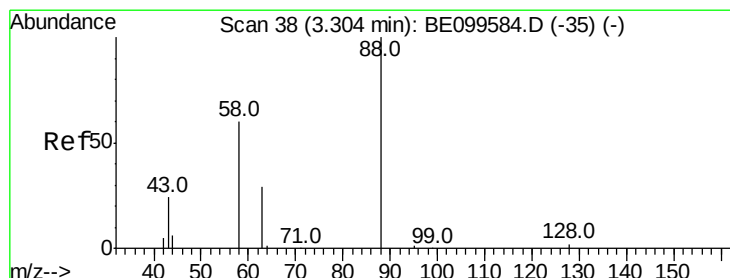
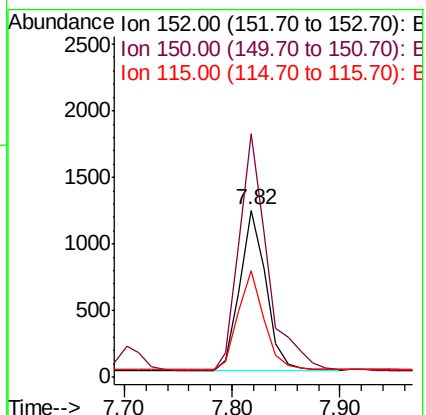
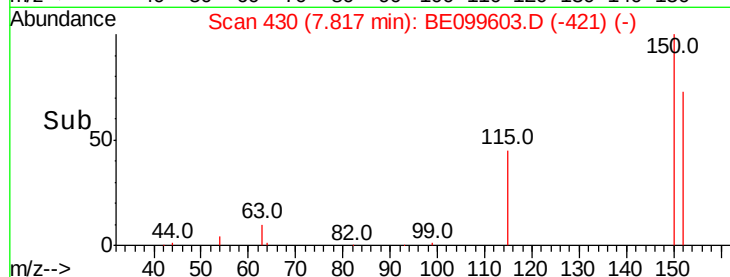
115 63.7 45.4 68.0



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: 0.356 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.01 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

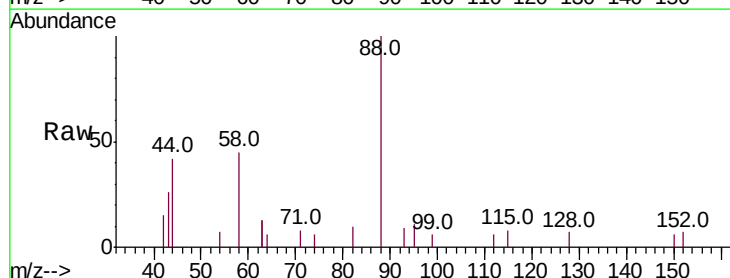
Tgt Ion: 88 Resp: 1030

Ion Ratio Lower Upper

88 100

58 62.4 41.3 61.9#

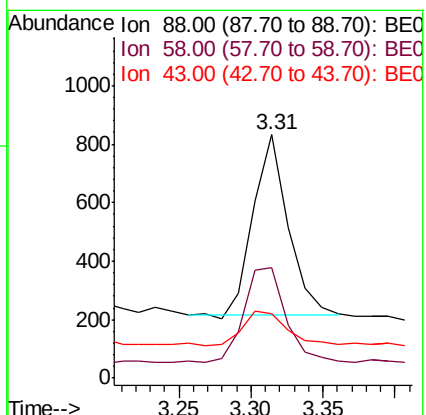
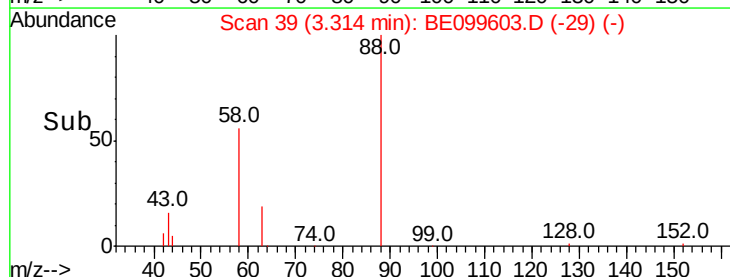
43 22.9 21.0 31.6

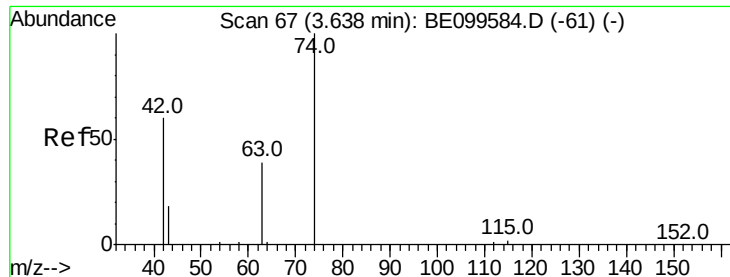


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.332 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

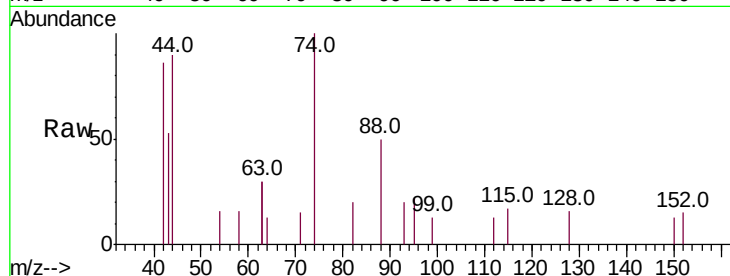
Tot Ion: 42 Resp: 594

Ion Ratio Lower Upper

42 100

74 179.3 136.9 205.3

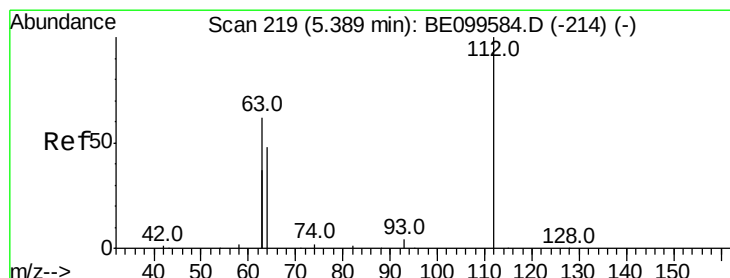
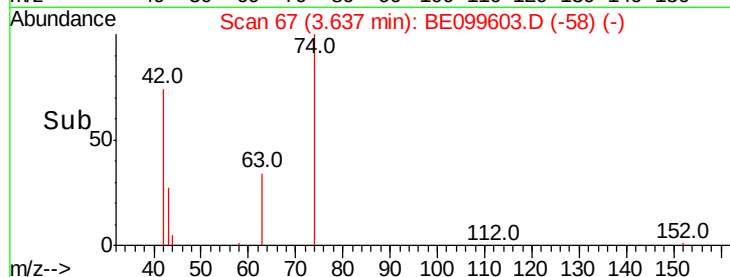
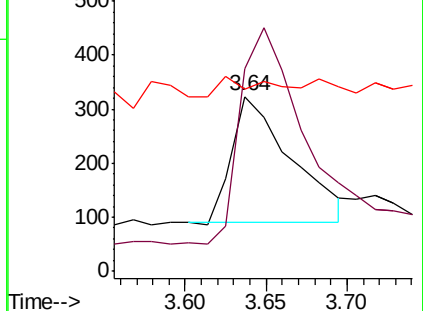
44 0.0 7.1 10.7#



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: 0.404 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

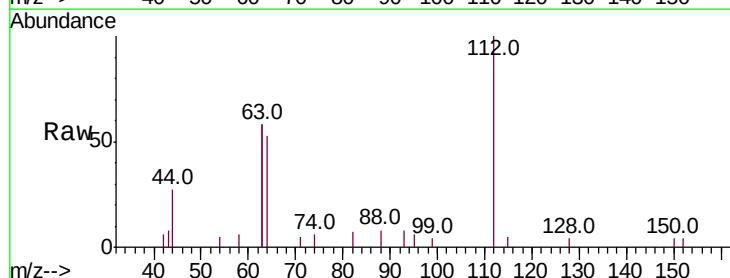
Tgt Ion: 112 Resp: 2269

Ion Ratio Lower Upper

112 100

64 55.4 46.2 69.4

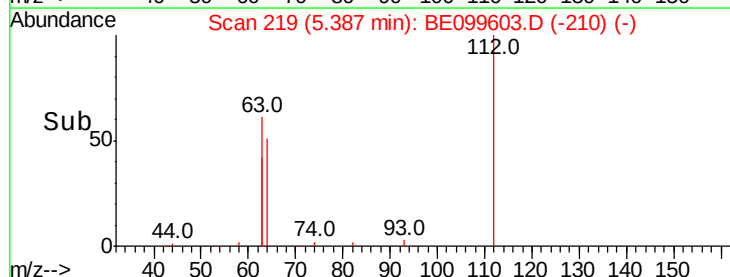
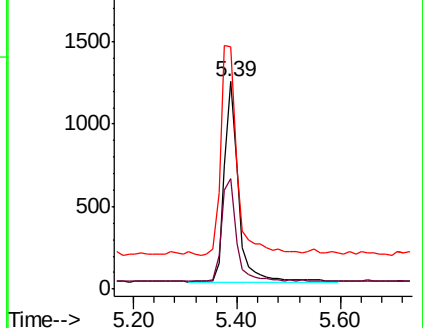
63 122.3 100.2 150.4

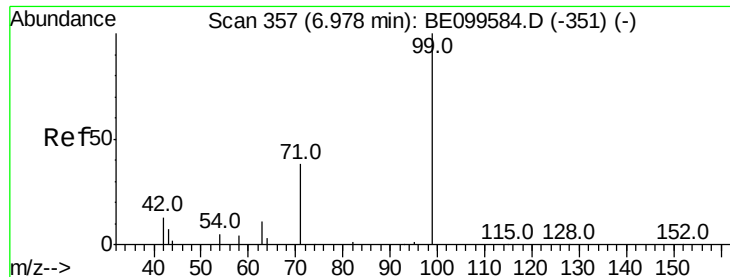


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.401 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

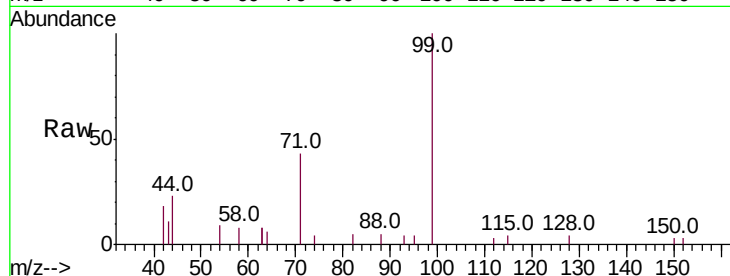
Tot Ion: 99 Resp: 2955

Ion Ratio Lower Upper

99 100

42 15.7 13.8 20.8

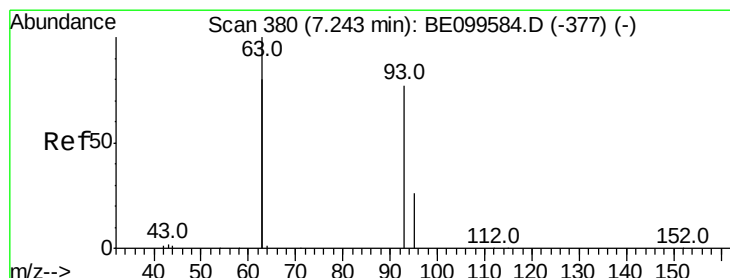
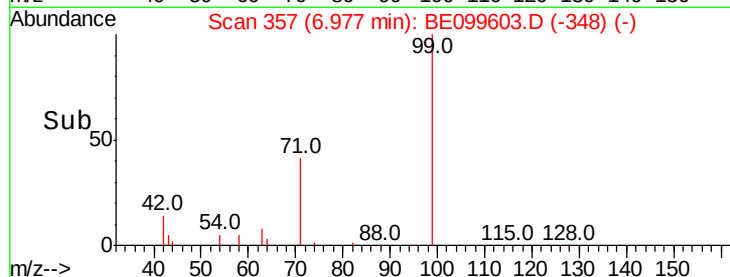
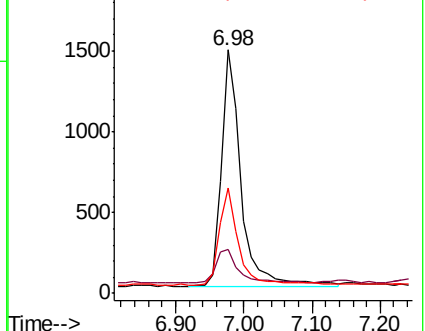
71 40.7 32.2 48.4



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: 0.417 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

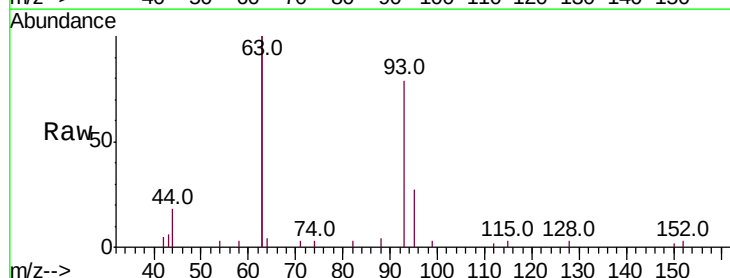
Tgt Ion: 93 Resp: 2555

Ion Ratio Lower Upper

93 100

63 253.2 213.4 320.0

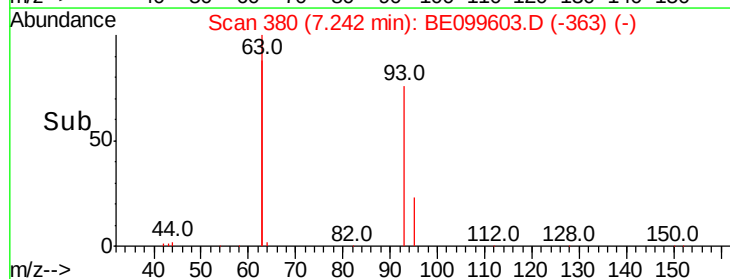
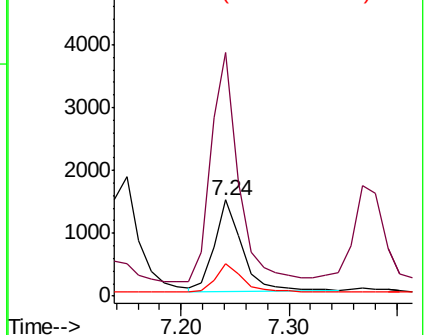
95 31.1 24.9 37.3

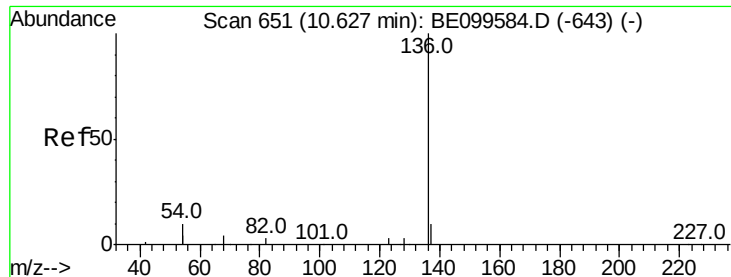


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7305

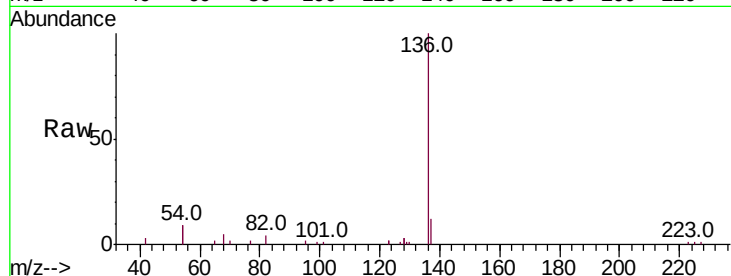
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 18.9 16.5 24.7

68 5.0 4.5 6.7

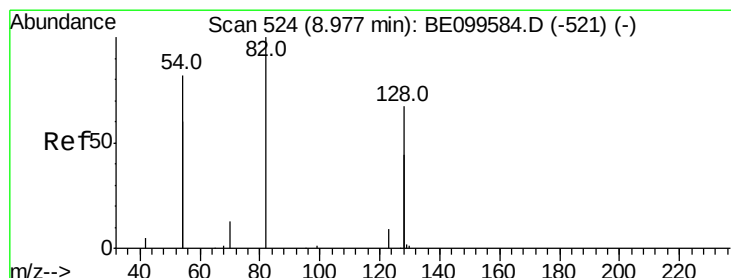
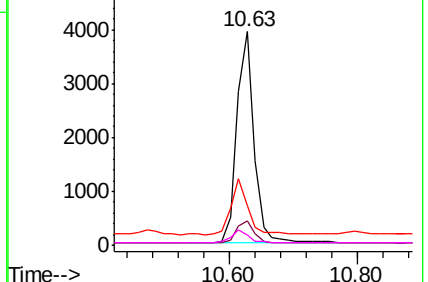
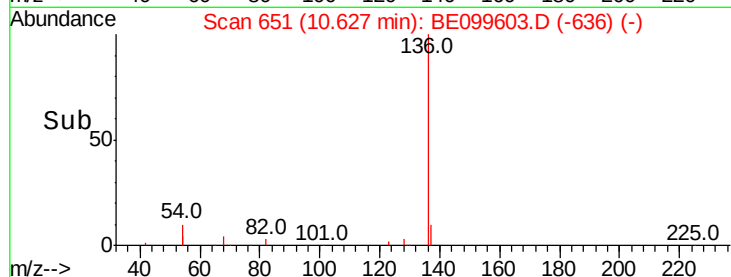


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.412 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

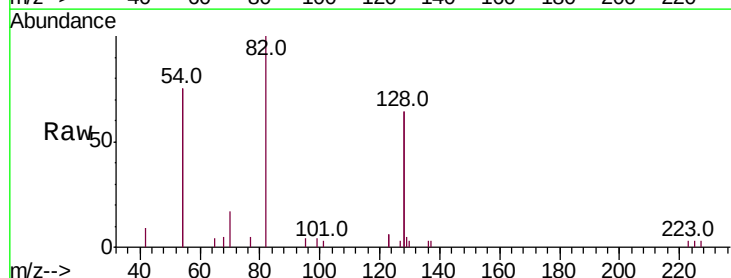
Tgt Ion: 82 Resp: 2827

Ion Ratio Lower Upper

82 100

128 128.4 101.5 152.3

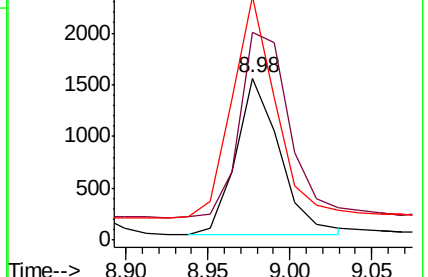
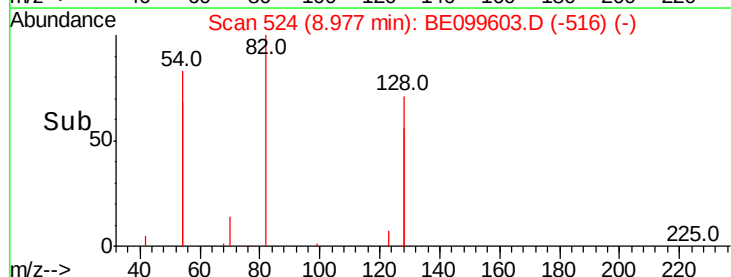
54 150.1 123.8 185.6

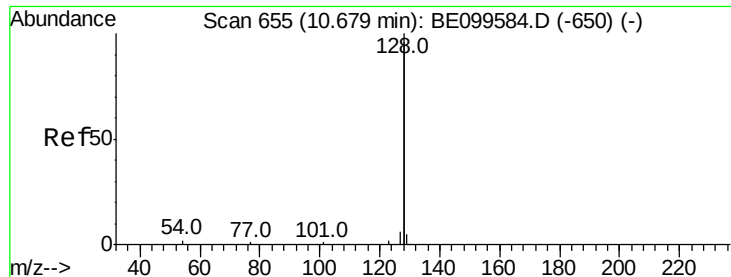


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.417 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

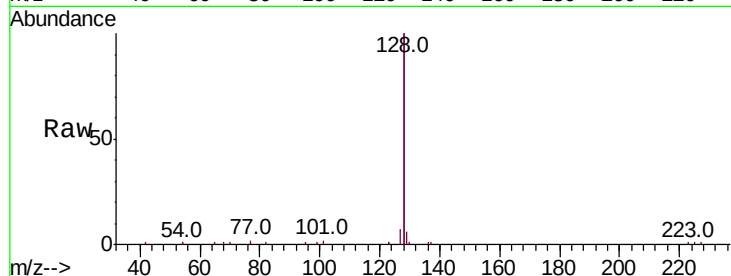
Tot Ion:128 Resp: 32463

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

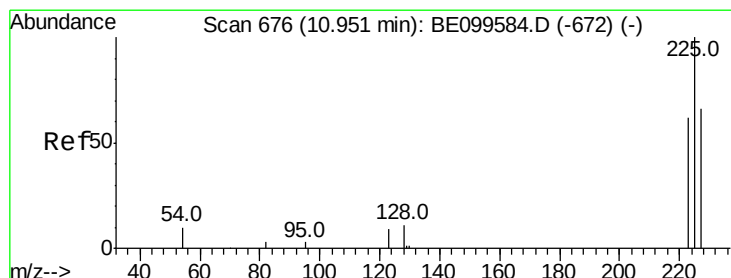
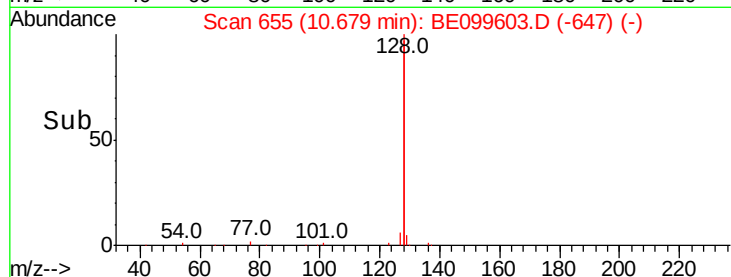
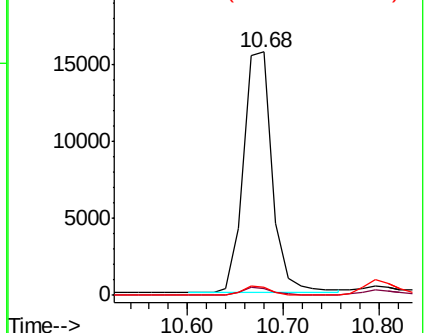
127 3.4 2.8 4.2



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: 0.419 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

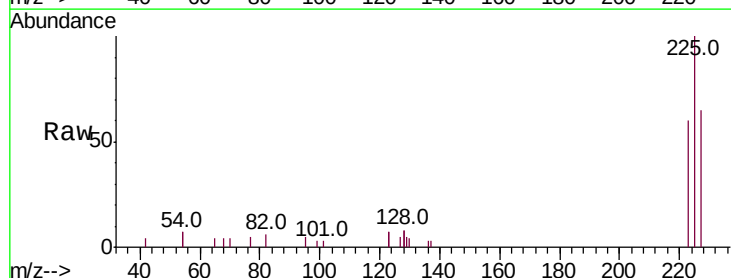
Tgt Ion:225 Resp: 2353

Ion Ratio Lower Upper

225 100

223 60.3 49.6 74.4

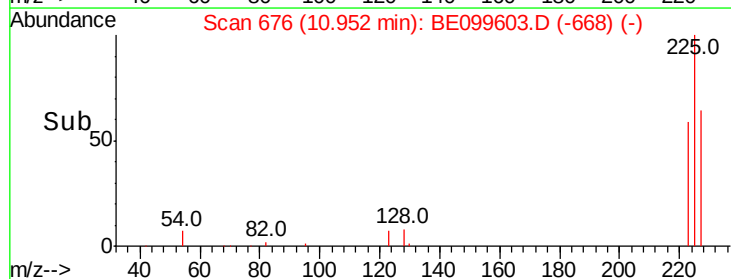
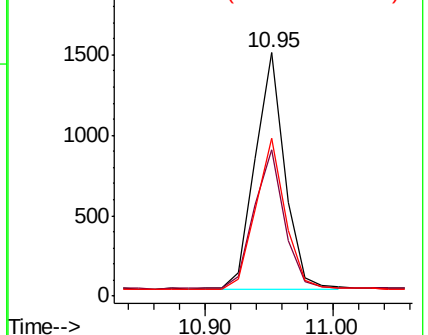
227 64.0 50.1 75.1

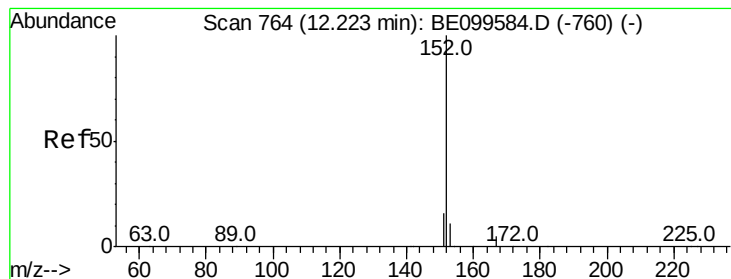


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

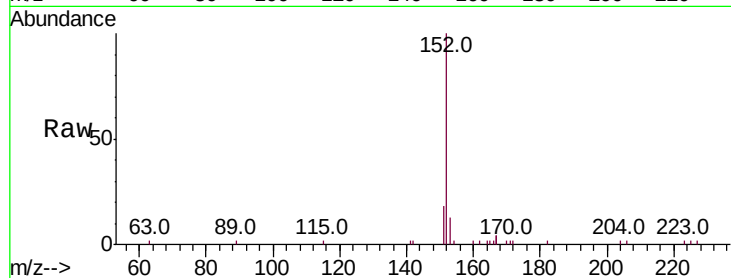
ClientSampleId :

Tot Ion:152 Resp: 4951

Ion Ratio Lower Upper

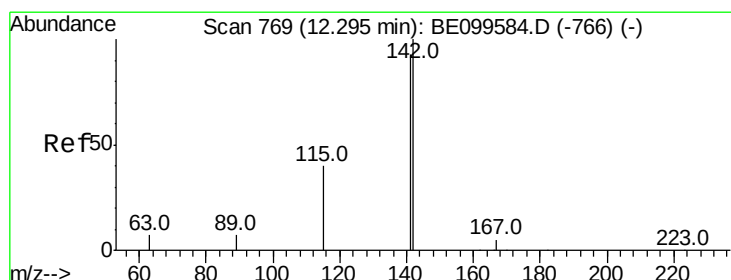
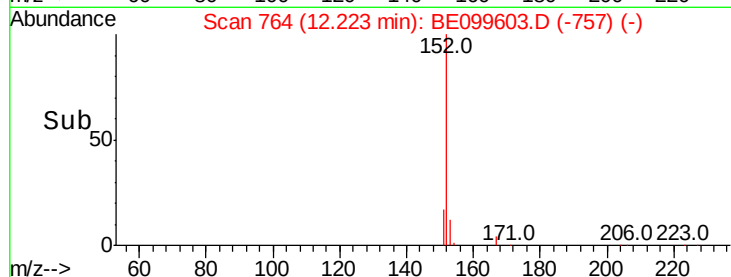
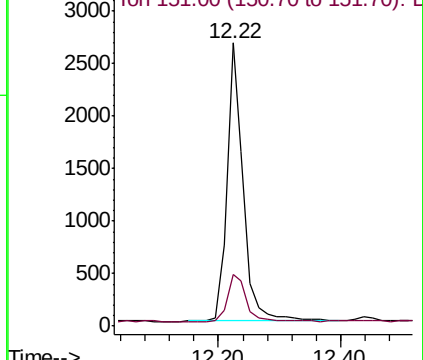
152 100

151 19.6 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.412 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

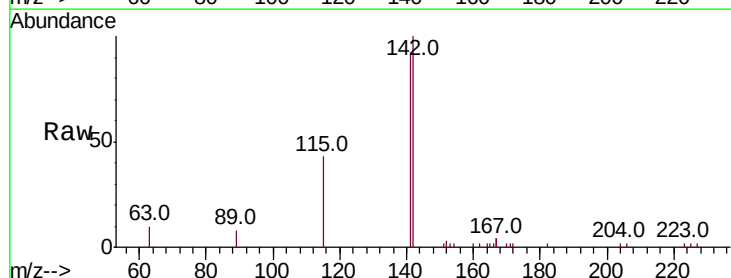
Tgt Ion:142 Resp: 5242

Ion Ratio Lower Upper

142 100

141 92.0 75.0 112.4

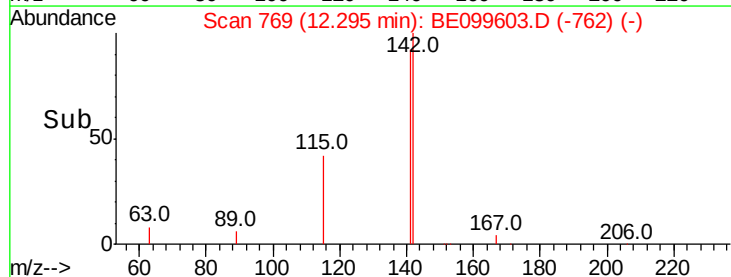
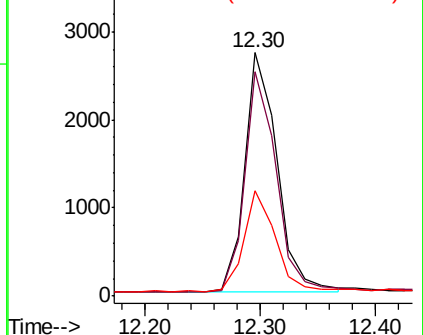
115 43.1 33.7 50.5

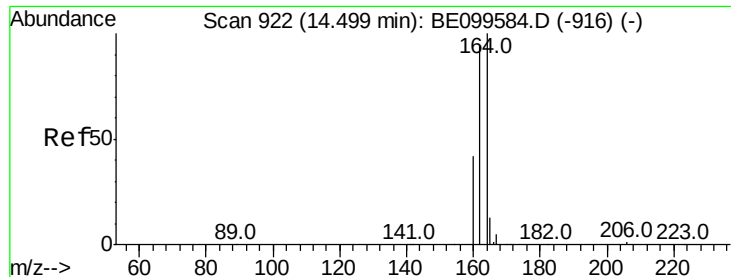


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

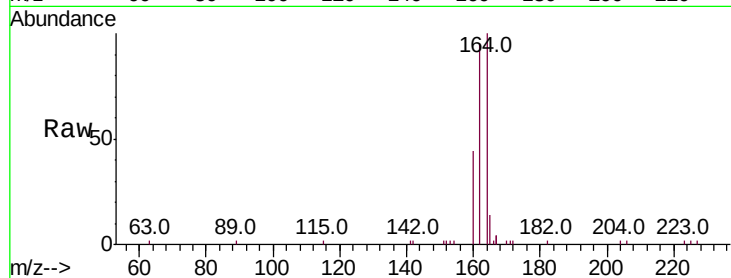
Tot Ion:164 Resp: 4905

Ion Ratio Lower Upper

164 100

162 95.0 75.3 112.9

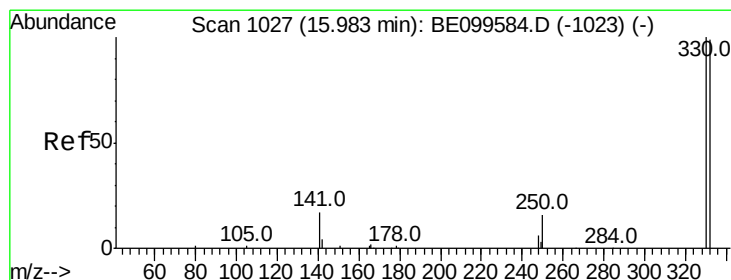
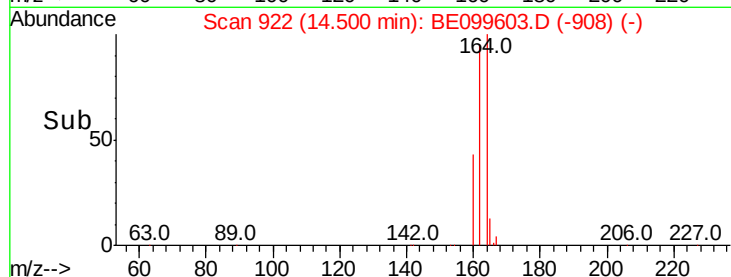
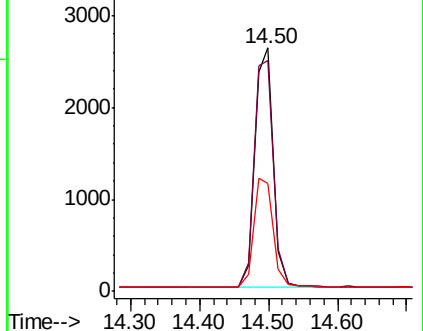
160 44.4 34.7 52.1



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: 0.409 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

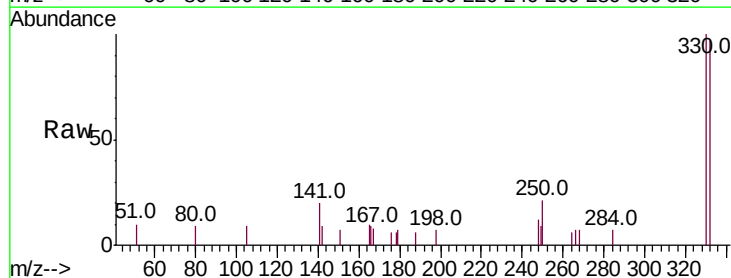
Tgt Ion:330 Resp: 1190

Ion Ratio Lower Upper

330 100

332 95.9 78.7 118.1

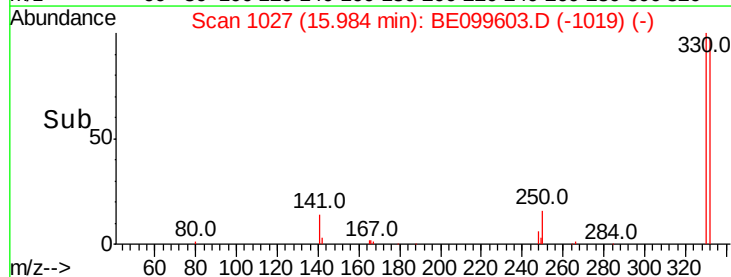
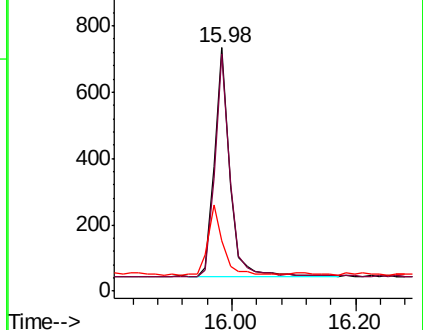
141 29.2 22.3 33.5

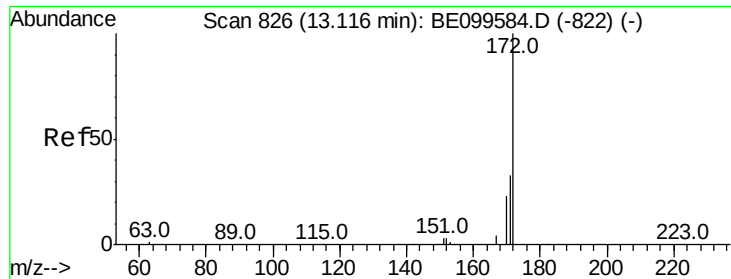


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

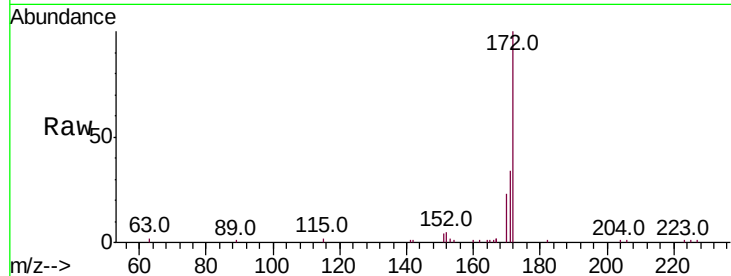




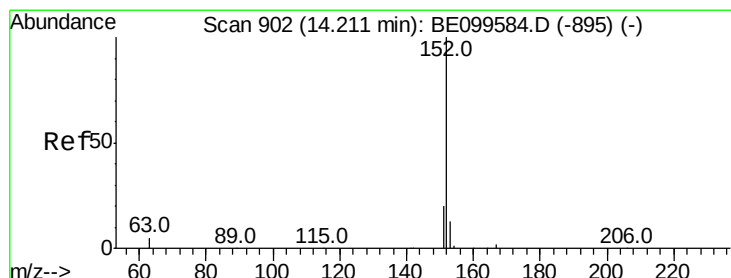
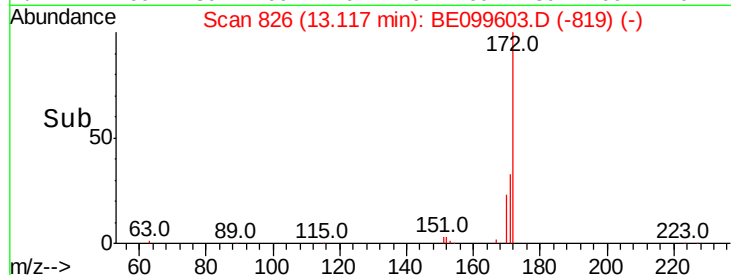
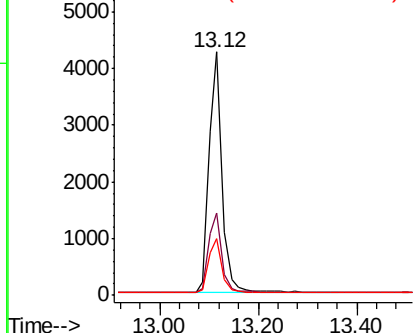
#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099603.D
Acq: 10 May 2019 17:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 7771
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 23.4 19.1 28.7

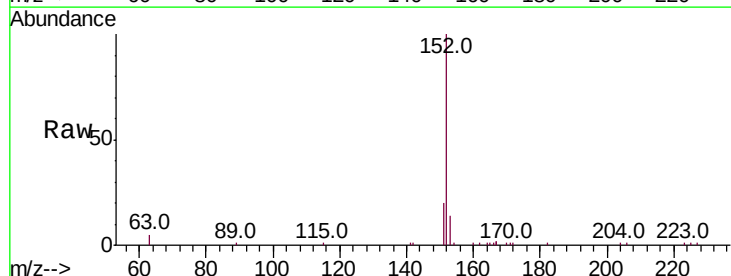


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

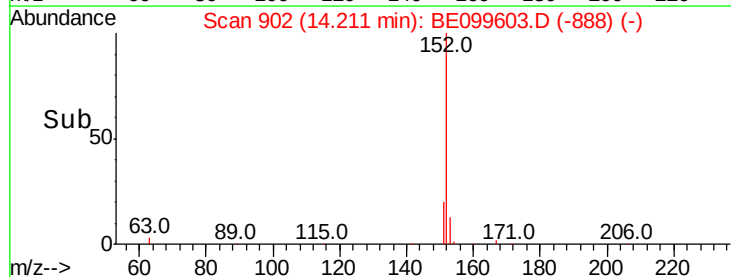
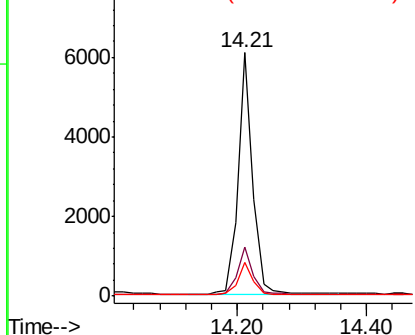


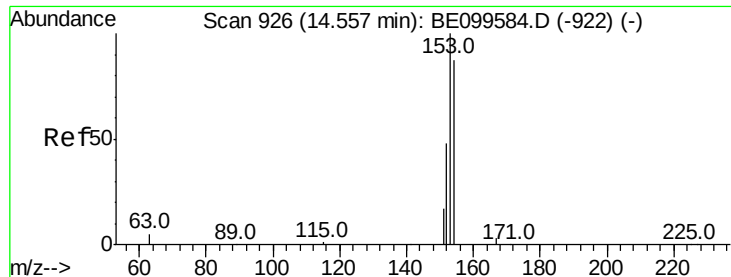
#16
Acenaphthylene
Concen: 0.398 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099603.D
Acq: 10 May 2019 17:42

Tgt Ion:152 Resp: 9441
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.1 10.2 15.4



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: 0.409 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

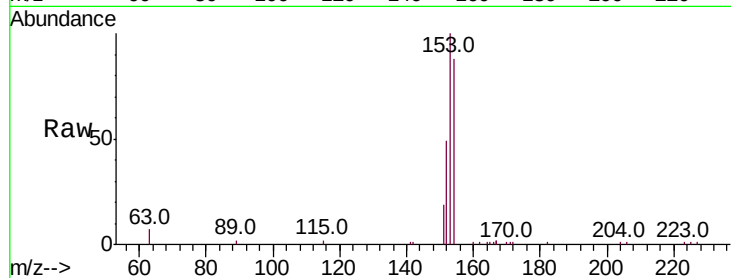
Tot Ion:154 Resp: 5420

Ion Ratio Lower Upper

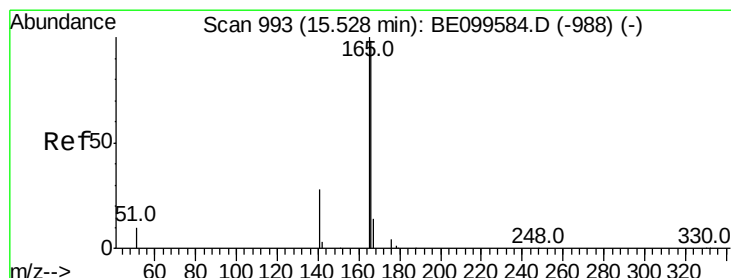
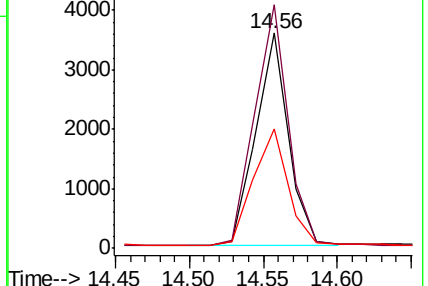
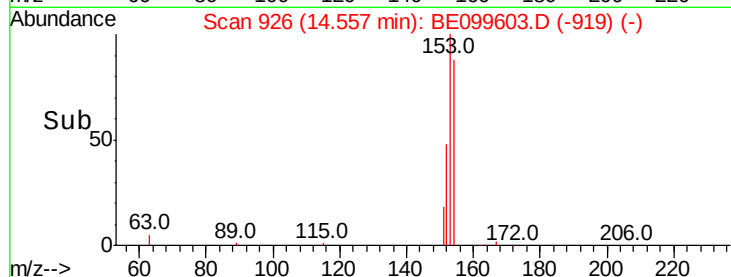
154 100

153 115.8 92.9 139.3

152 58.1 46.3 69.5



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: 0.413 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

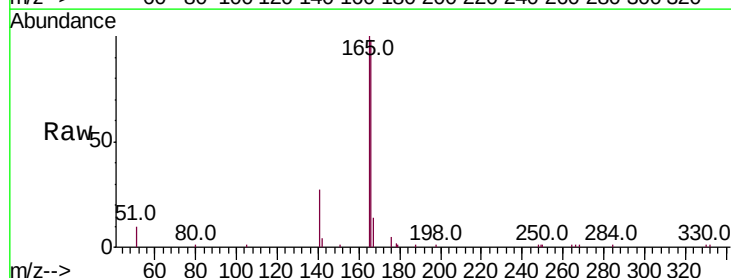
Tgt Ion:166 Resp: 7811

Ion Ratio Lower Upper

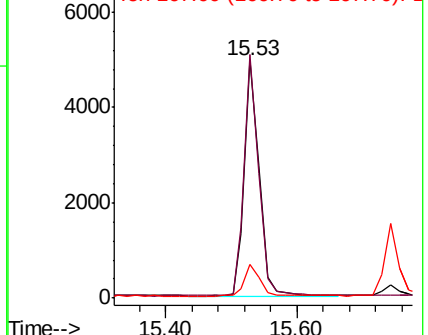
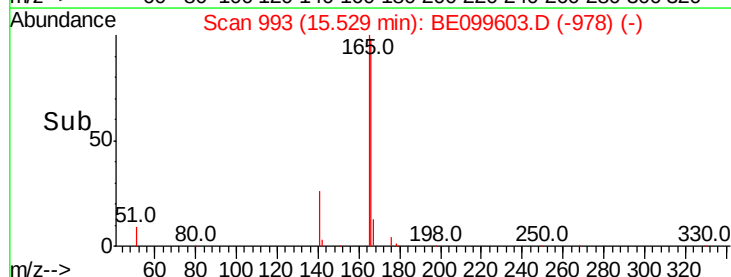
166 100

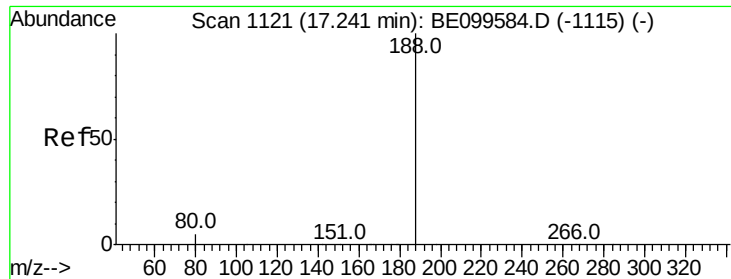
165 100.5 80.5 120.7

167 13.6 11.6 17.4



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

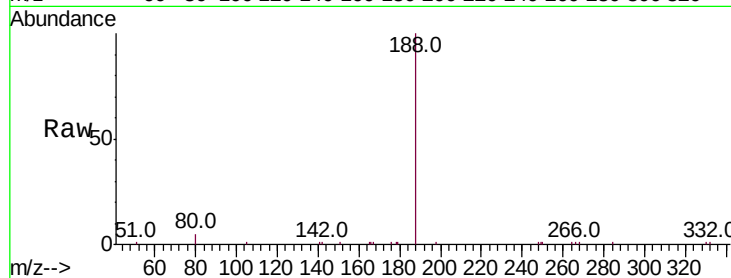




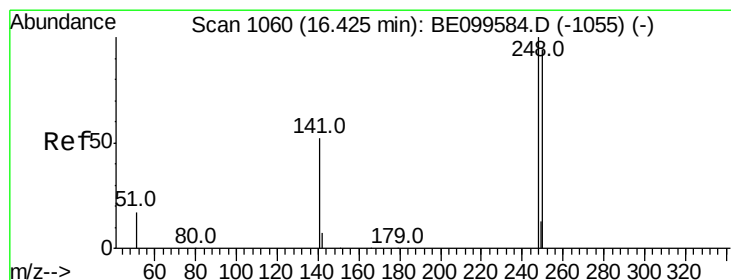
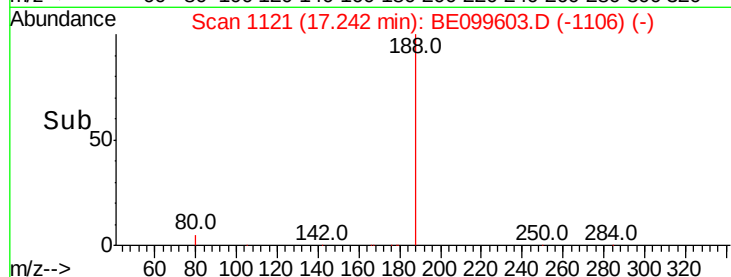
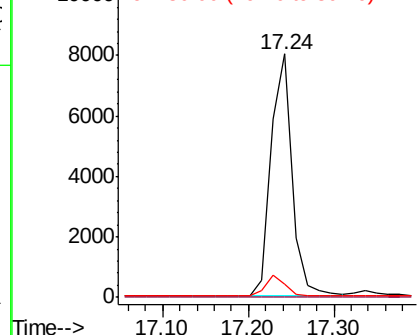
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099603.D
Acq: 10 May 2019 17:42

Instrument :
BNA_E
ClientSampled :

Tot Ion:188 Resp: 13655
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.2 4.4 6.6

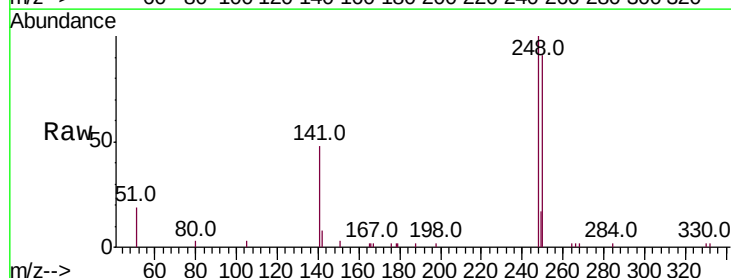


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

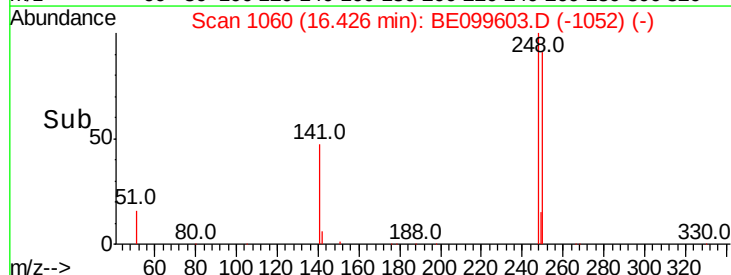
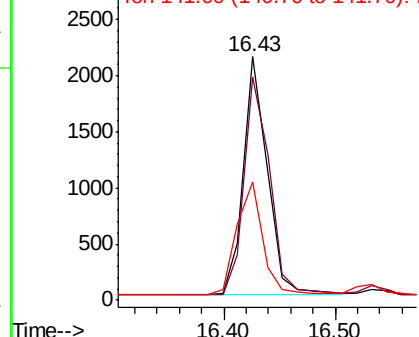


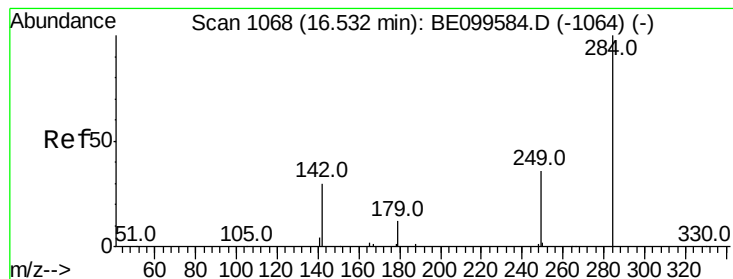
#20
4-Bromophenyl-phenylether
Concen: 0.409 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099603.D
Acq: 10 May 2019 17:42

Tgt Ion:248 Resp: 3186
Ion Ratio Lower Upper
248 100
250 91.5 75.7 113.5
141 48.3 42.9 64.3



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: 0.426 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampled :

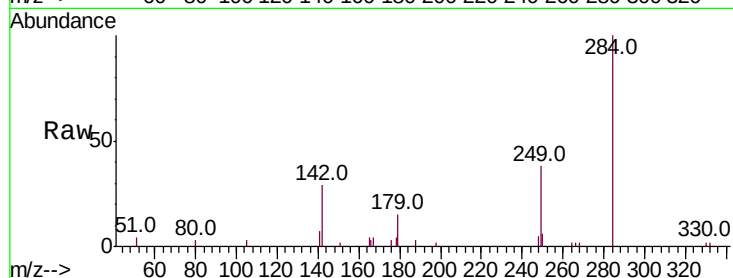
Tot Ion:284 Resp: 3329

Ion Ratio Lower Upper

284 100

142 24.8 20.6 30.8

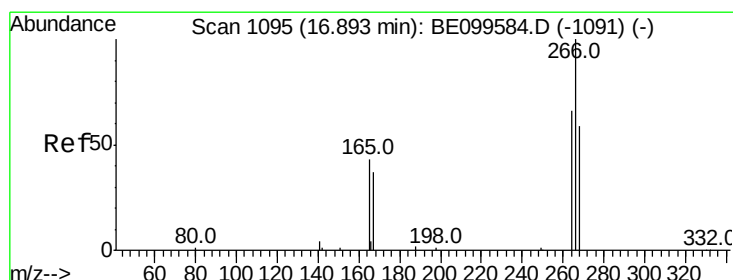
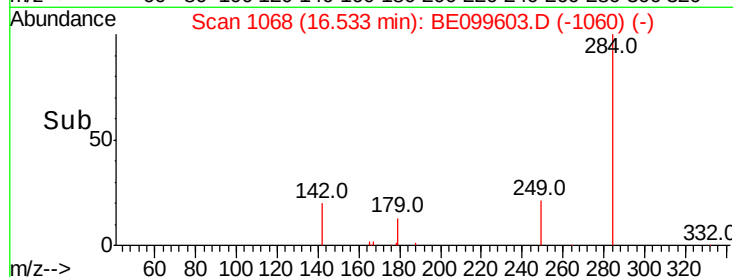
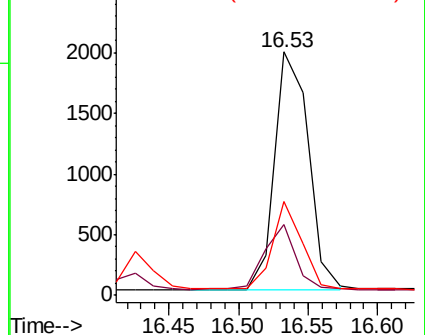
249 31.6 25.8 38.6



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: 0.511 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

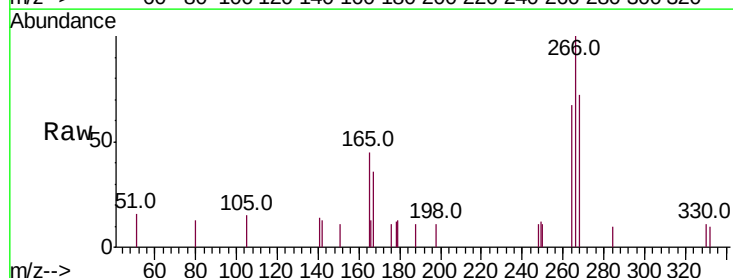
Tgt Ion:266 Resp: 1149

Ion Ratio Lower Upper

266 100

264 66.7 57.3 85.9

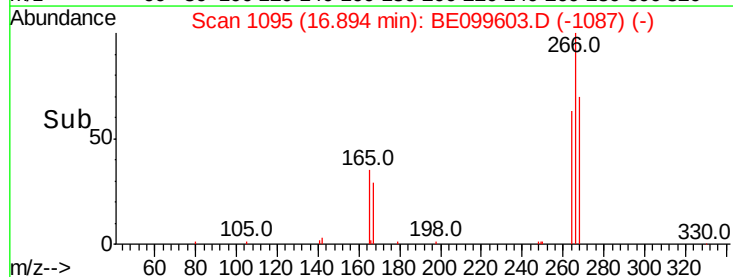
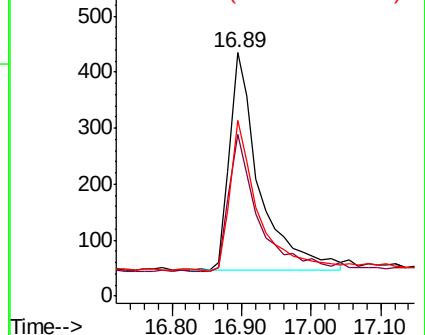
268 72.4 53.5 80.3

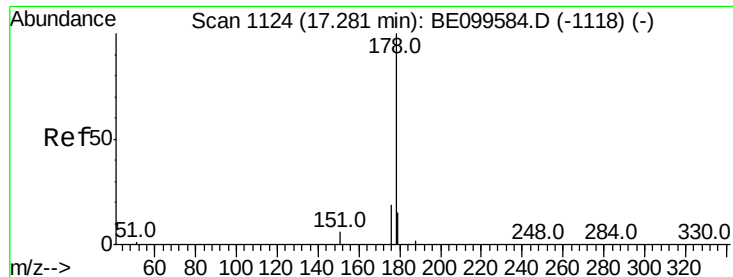


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.424 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

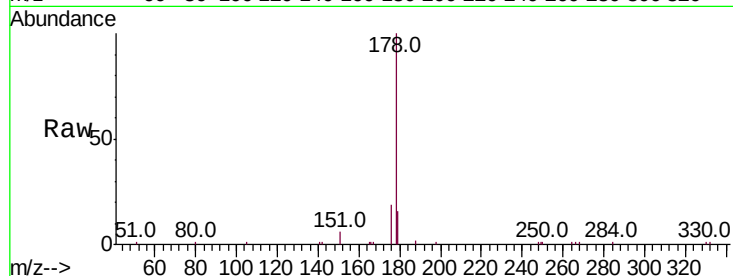
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 14379

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.7	12.2	18.2

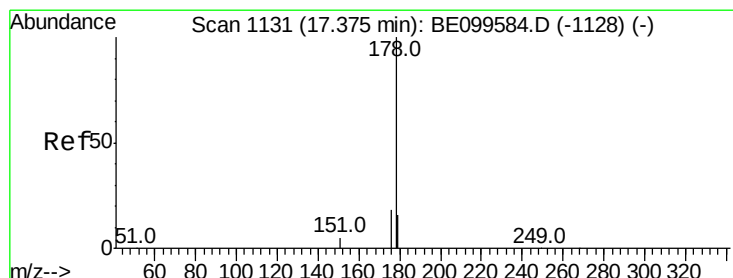
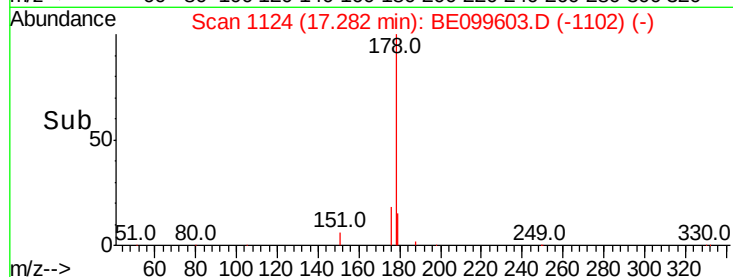
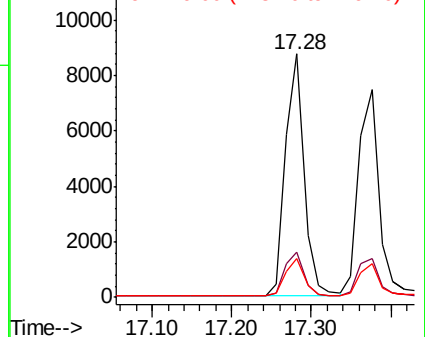


Abundance

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: 0.409 ng

RT: 17.38 min Scan# 1131

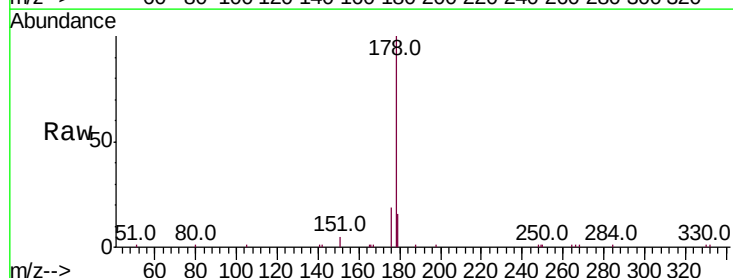
Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Tgt Ion:178 Resp: 13021

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.2	12.3	18.5

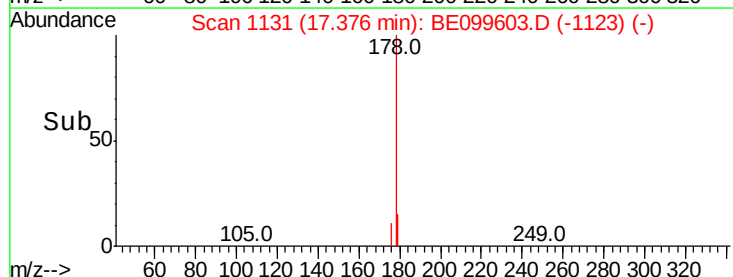
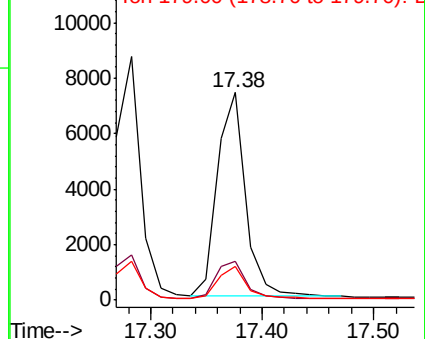


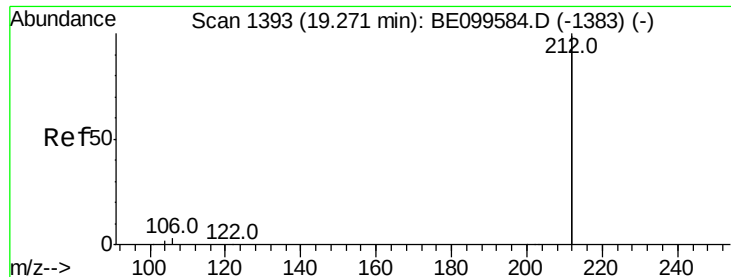
Abundance

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





#25

Fluoranthene-d10

Concen: 0.402 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

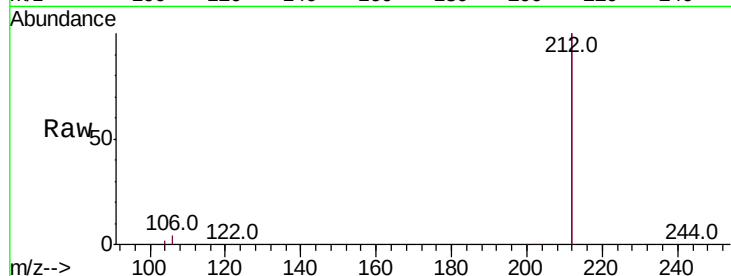
Tot Ion:212 Resp: 72268

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

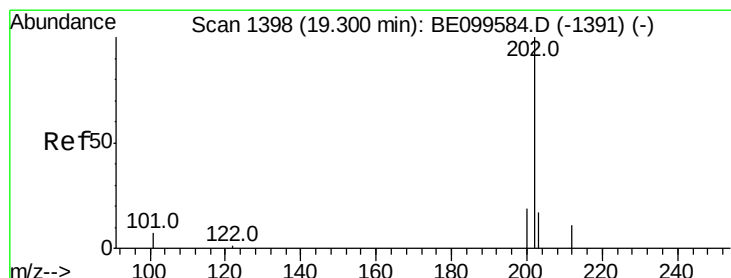
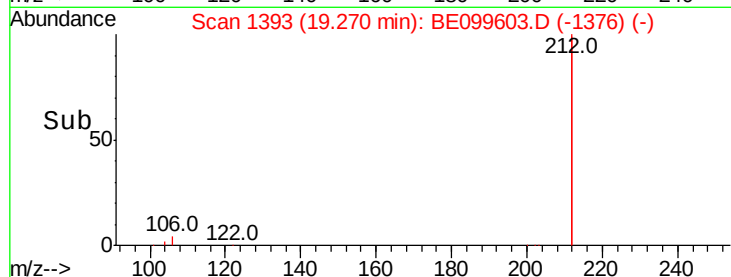
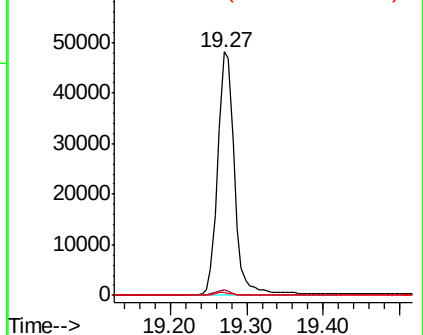
104 1.0 0.9 1.3



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: 0.420 ng

RT: 19.30 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

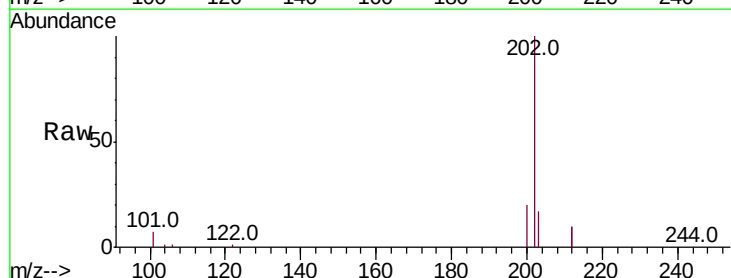
Tgt Ion:202 Resp: 21416

Ion Ratio Lower Upper

202 100

101 6.7 5.4 8.2

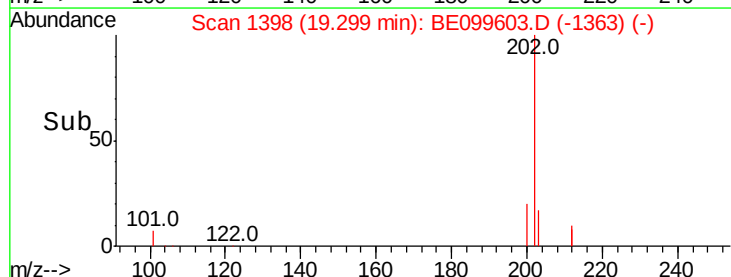
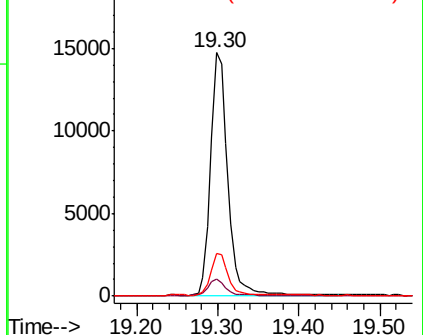
203 17.0 13.7 20.5

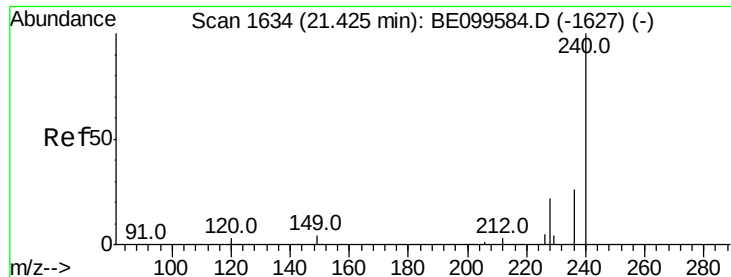


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

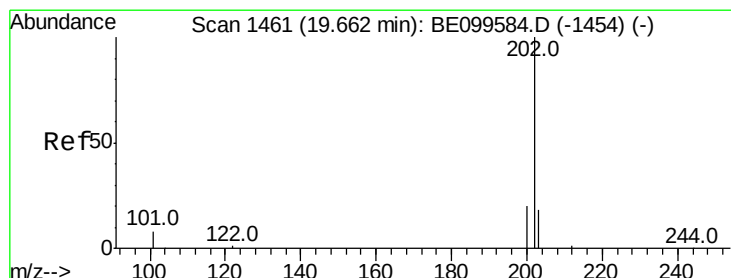
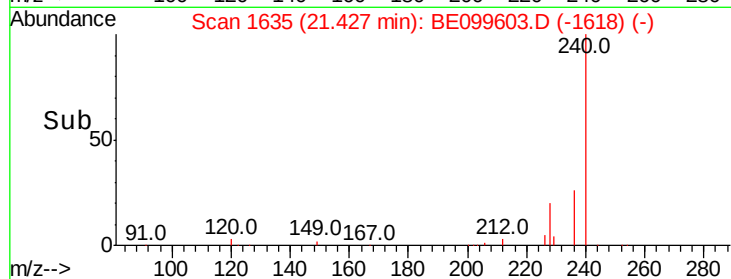
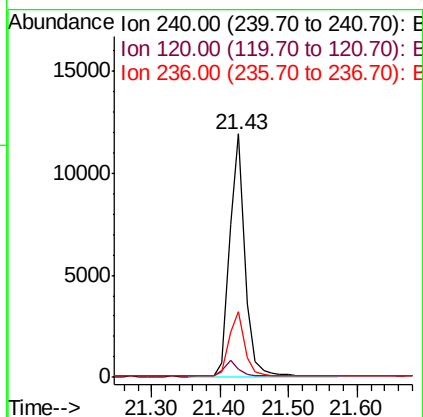
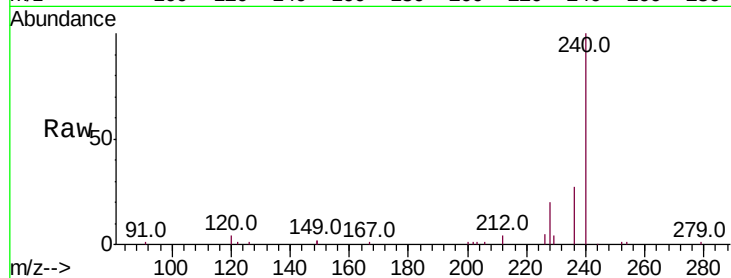




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: BE099603.D
 Acq: 10 May 2019 17:42

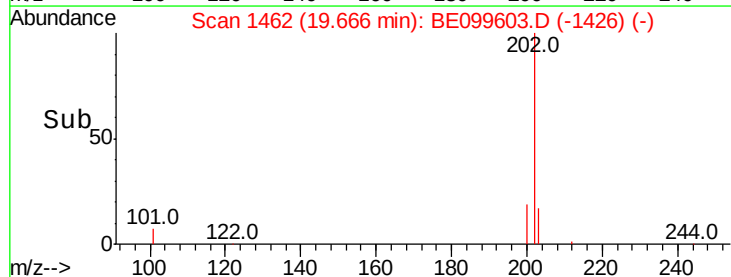
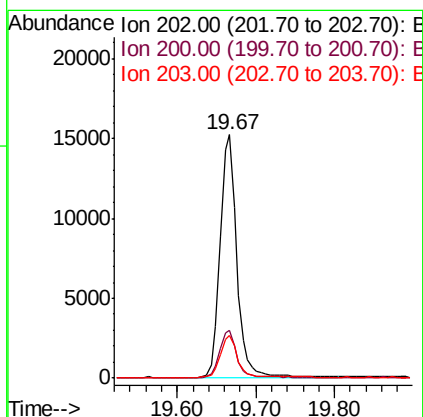
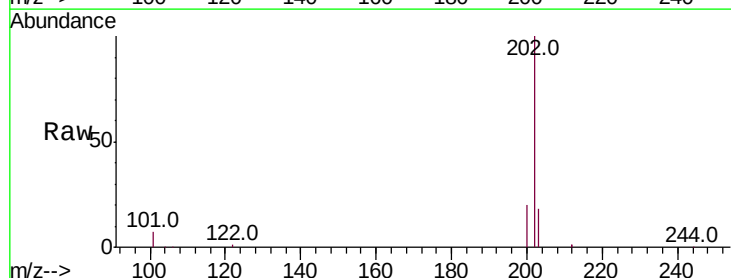
Instrument :
 BNA_E
 ClientSampleId :

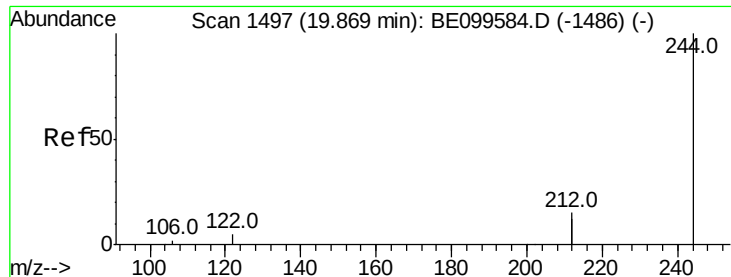
Tot Ion:240 Resp: 18306
 Ion Ratio Lower Upper
 240 100
 120 3.5 3.2 4.8
 236 26.7 21.0 31.6



#28
 Pyrene
 Concen: 0.458 ng
 RT: 19.67 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: BE099603.D
 Acq: 10 May 2019 17:42

Tgt Ion:202 Resp: 22086
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.9 23.9
 203 17.4 14.1 21.1





#29

Terphenyl-d14

Concen: 0.467 ng

RT: 19.87 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampled :

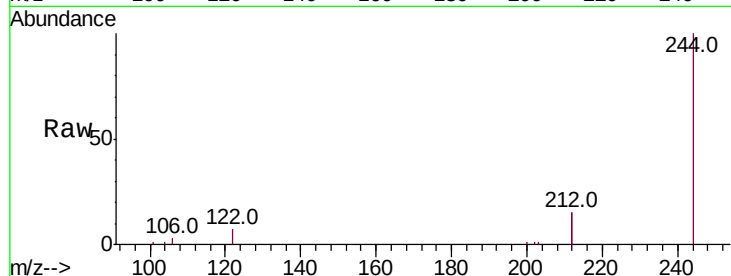
Tot Ion:244 Resp: 15209

Ion Ratio Lower Upper

244 100

212 29.9 24.4 36.6

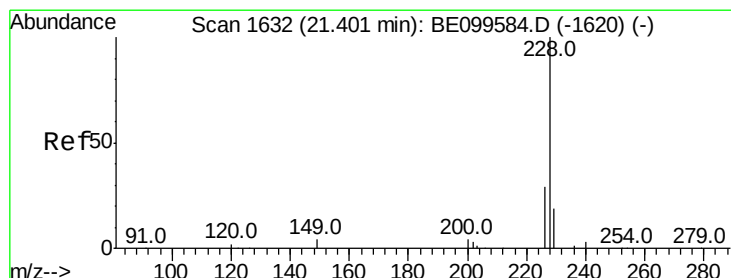
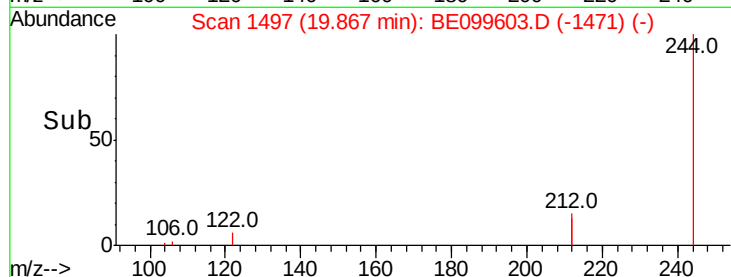
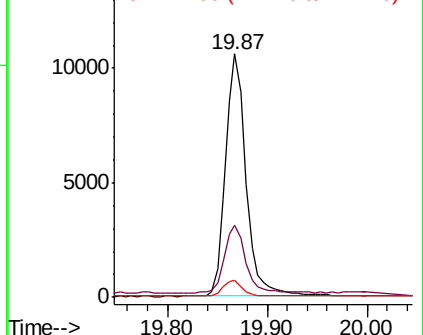
122 6.8 4.6 6.8#



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: 0.460 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

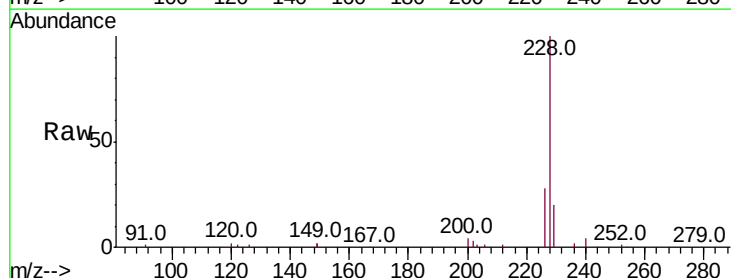
Tgt Ion:228 Resp: 25732

Ion Ratio Lower Upper

228 100

226 27.6 23.3 34.9

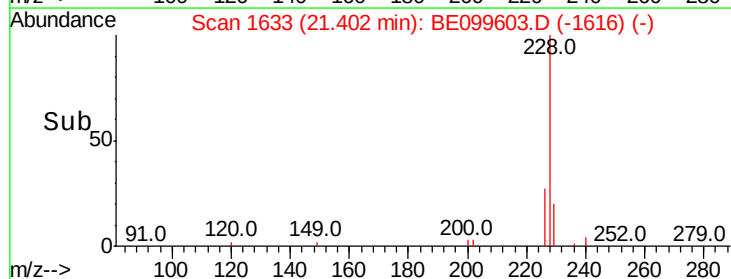
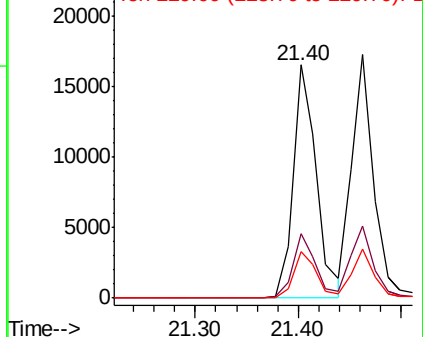
229 20.0 15.5 23.3

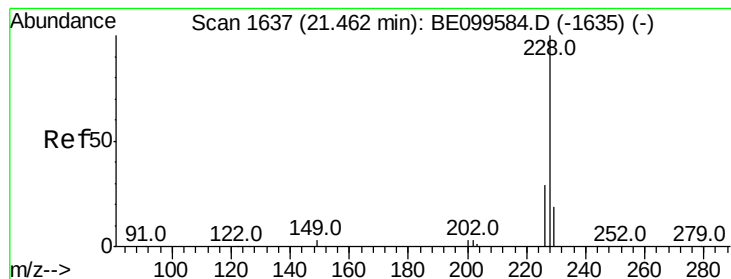


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.448 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampled :

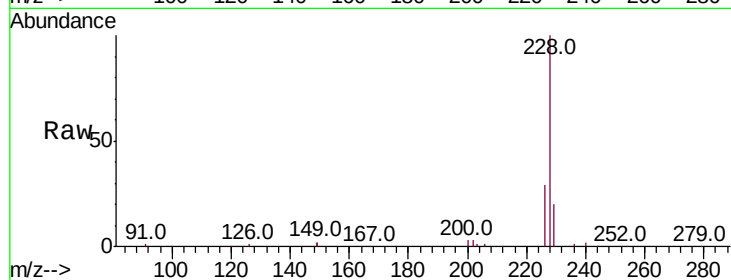
Tot Ion:228 Resp: 25054

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

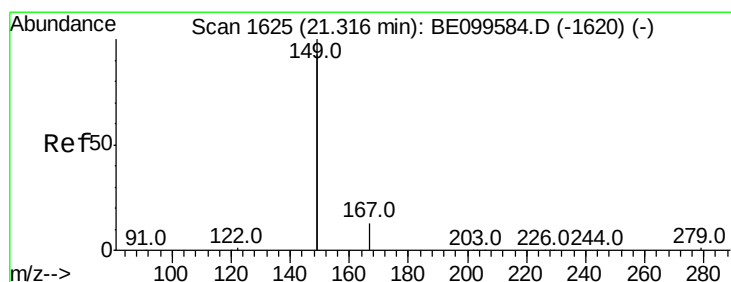
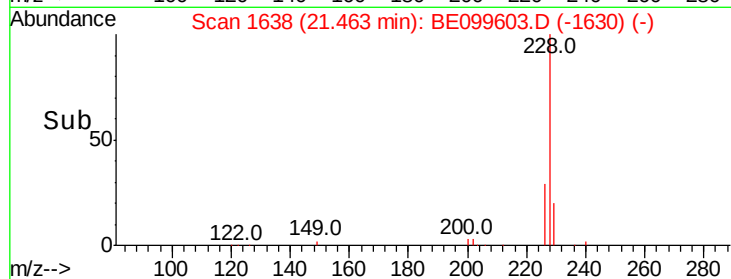
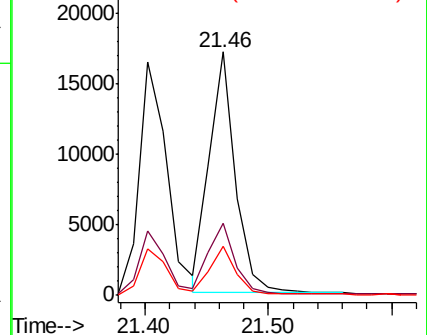
229 20.3 15.6 23.4



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.424 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

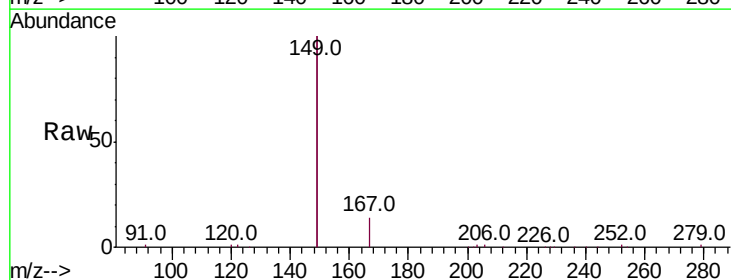
Tgt Ion:149 Resp: 34026

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

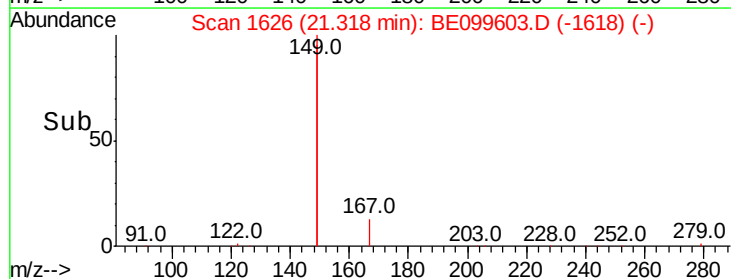
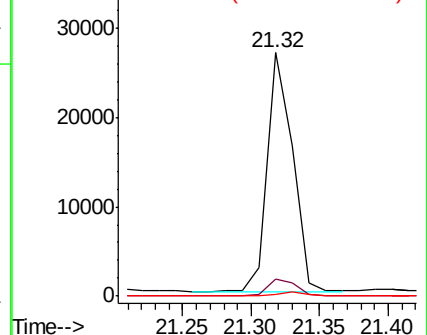
279 1.4 1.1 1.7

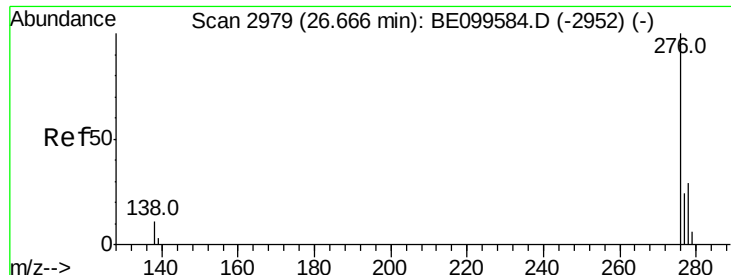


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

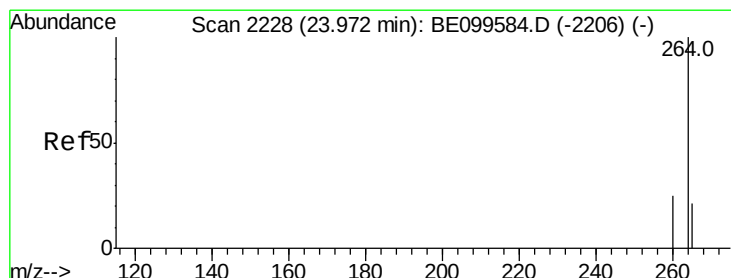
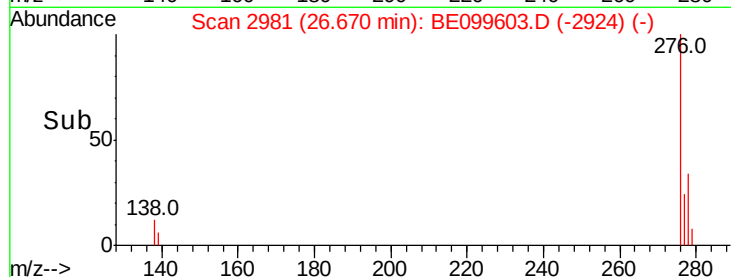
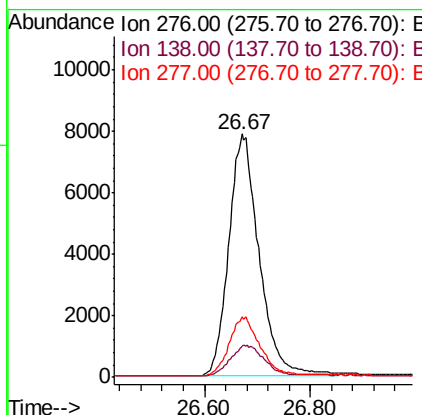
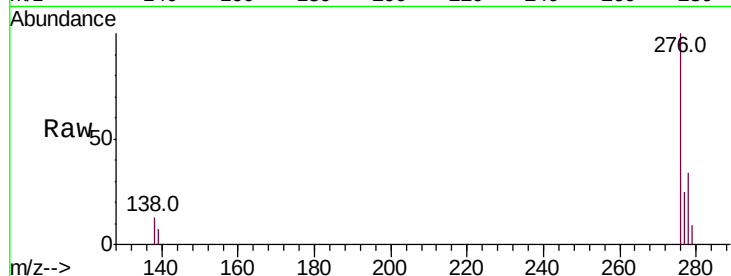




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.449 ng
 RT: 26.67 min Scan# 2981
 Delta R.T. 0.00 min
 Lab File: BE099603.D
 Acq: 10 May 2019 17:42

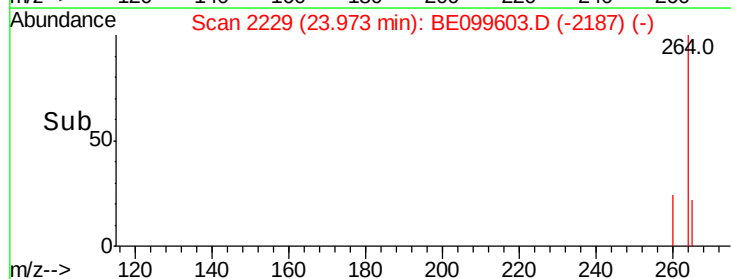
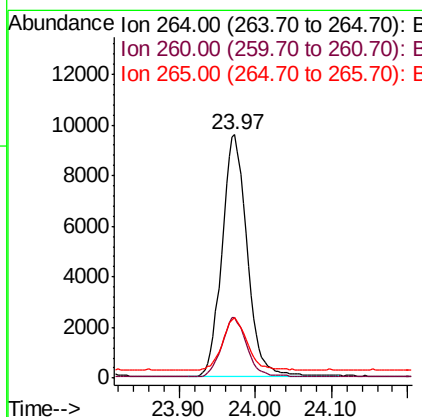
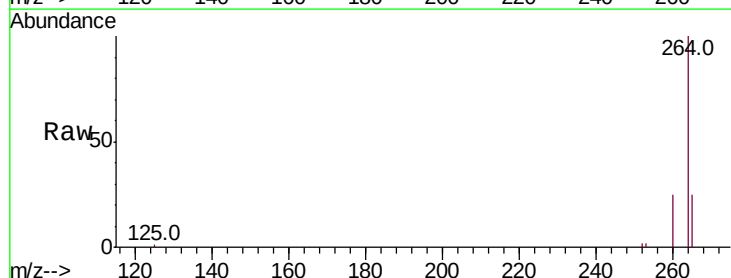
Instrument :
 BNA_E
 ClientSampleId :

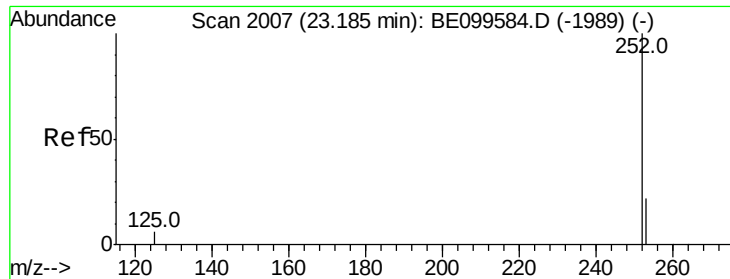
Tot Ion:276 Resp: 31334
 Ion Ratio Lower Upper
 276 100
 138 13.6 10.2 15.2
 277 24.3 19.8 29.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.97 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BE099603.D
 Acq: 10 May 2019 17:42

Tgt Ion:264 Resp: 21989
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.3 30.5
 265 25.0 20.9 31.3





#35

Benzo(b)fluoranthene

Concen: 0.423 ng

RT: 23.19 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

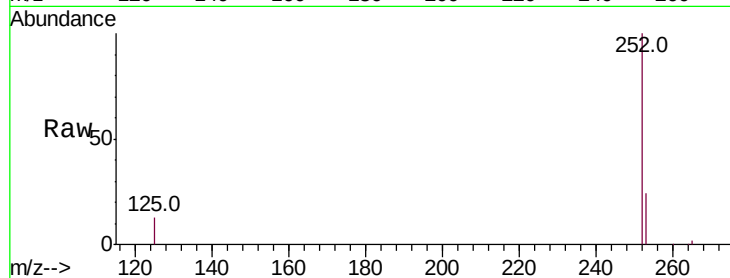
Tot Ion:252 Resp: 25684

Ion Ratio Lower Upper

252 100

253 23.6 18.6 28.0

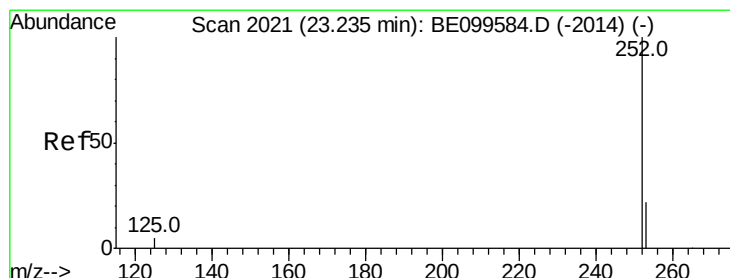
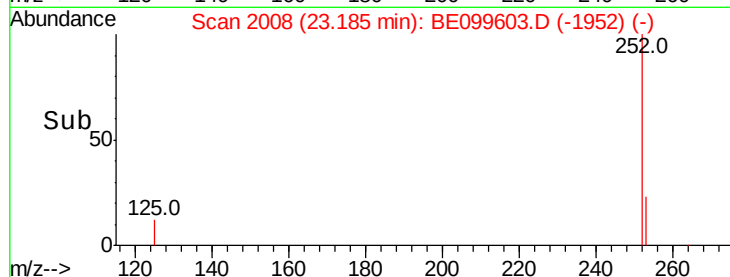
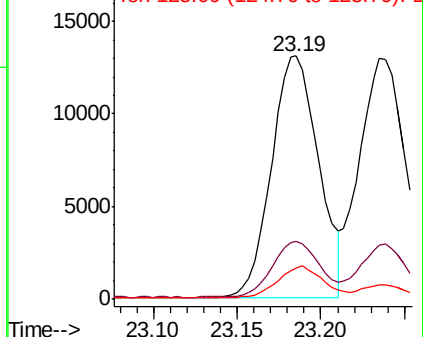
125 12.8 6.0 9.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.429 ng

RT: 23.24 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

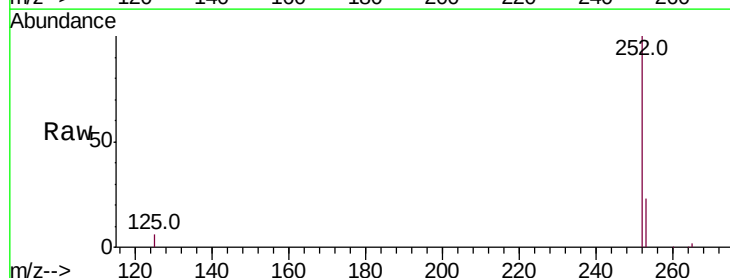
Tgt Ion:252 Resp: 25904

Ion Ratio Lower Upper

252 100

253 22.6 18.7 28.1

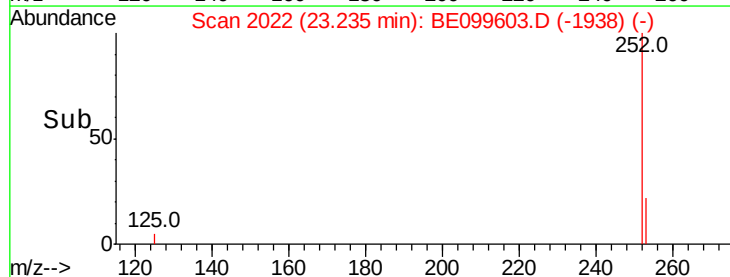
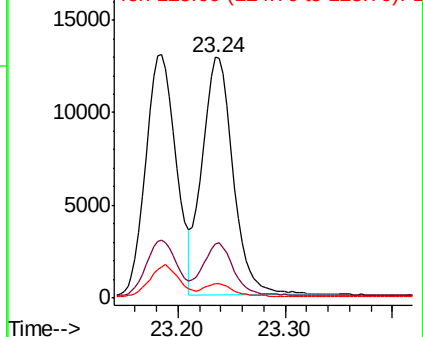
125 6.0 5.1 7.7

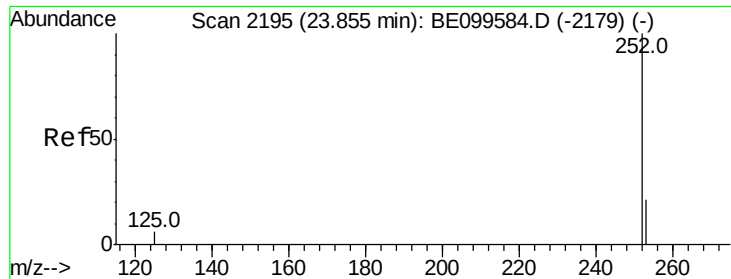


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.425 ng

RT: 23.86 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

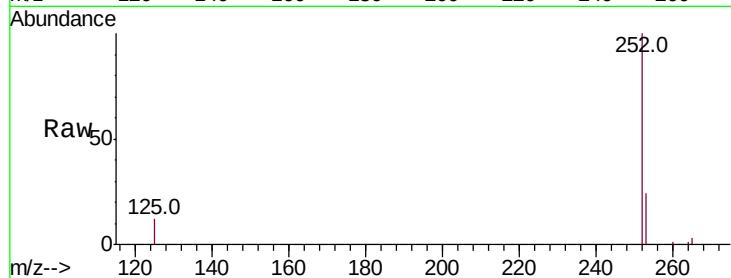
Tot Ion:252 Resp: 25013

Ion Ratio Lower Upper

252 100

253 23.8 18.6 27.8

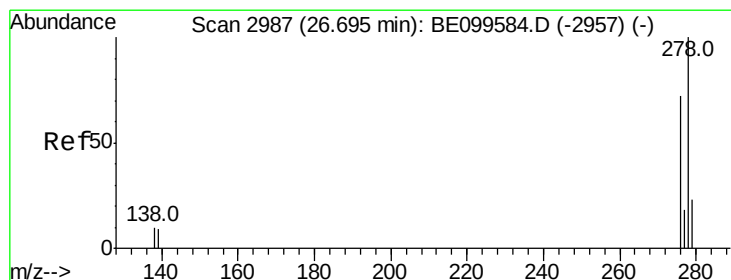
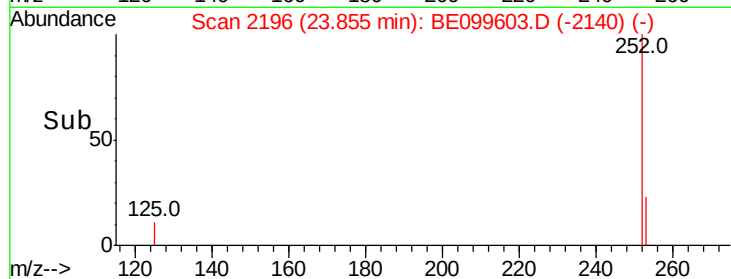
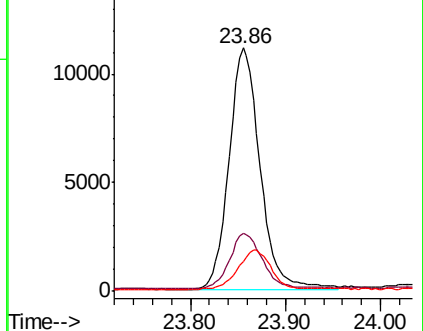
125 12.1 6.4 9.6#



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: 0.419 ng

RT: 26.70 min Scan# 2990

Delta R.T. 0.01 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

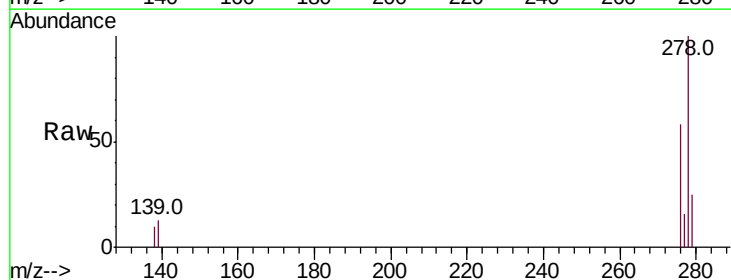
Tgt Ion:278 Resp: 25761

Ion Ratio Lower Upper

278 100

139 13.0 8.3 12.5#

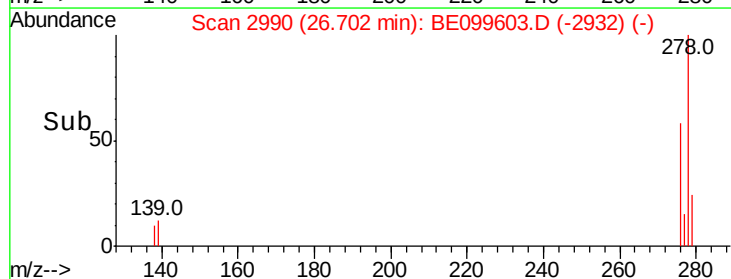
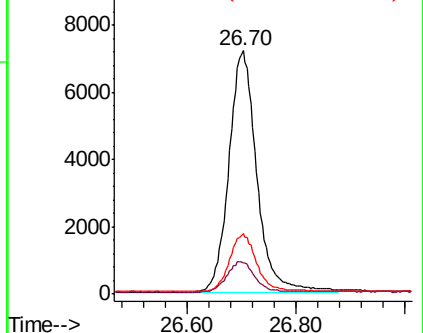
279 25.1 19.4 29.2

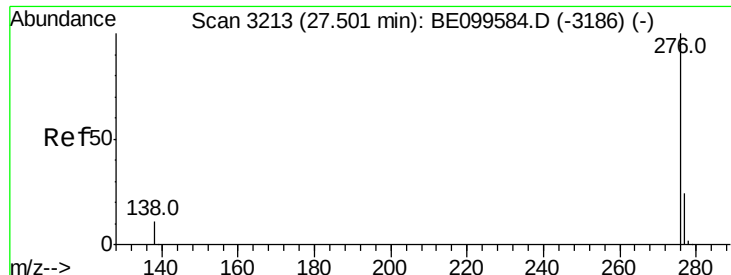


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.413 ng

RT: 27.51 min Scan# 3216

Delta R.T. 0.01 min

Lab File: BE099603.D

Acq: 10 May 2019 17:42

Instrument :

BNA_E

ClientSampleId :

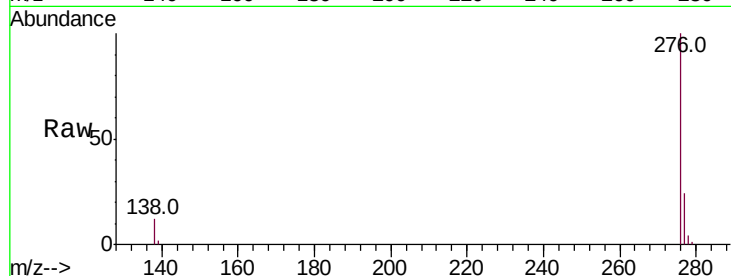
Tot Ion:276 Resp: 25732

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 11.6 9.4 14.2



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

