

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
 Data File : BE099660.D
 Acq On : 20 May 2019 11:51
 Operator : JU/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 20 15:44:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 15:39:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1527	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5422	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3883	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	12111	0.40	ng	0.01
27) Chrysene-d12	21.41	240	18182	0.40	ng	0.00
34) Perylene-d12	23.96	264	20207	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	739	0.17	ng	0.01
5) Phenol-d6	6.97	99	965	0.18	ng	0.00
8) Nitrobenzene-d5	8.98	82	781	0.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	1815	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	339	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	2928	0.20	ng	0.01
25) Fluoranthene-d10	19.27	212	31853	0.20	ng	0.00
29) Terphenyl-d14	19.87	244	6287	0.19	ng	0.00

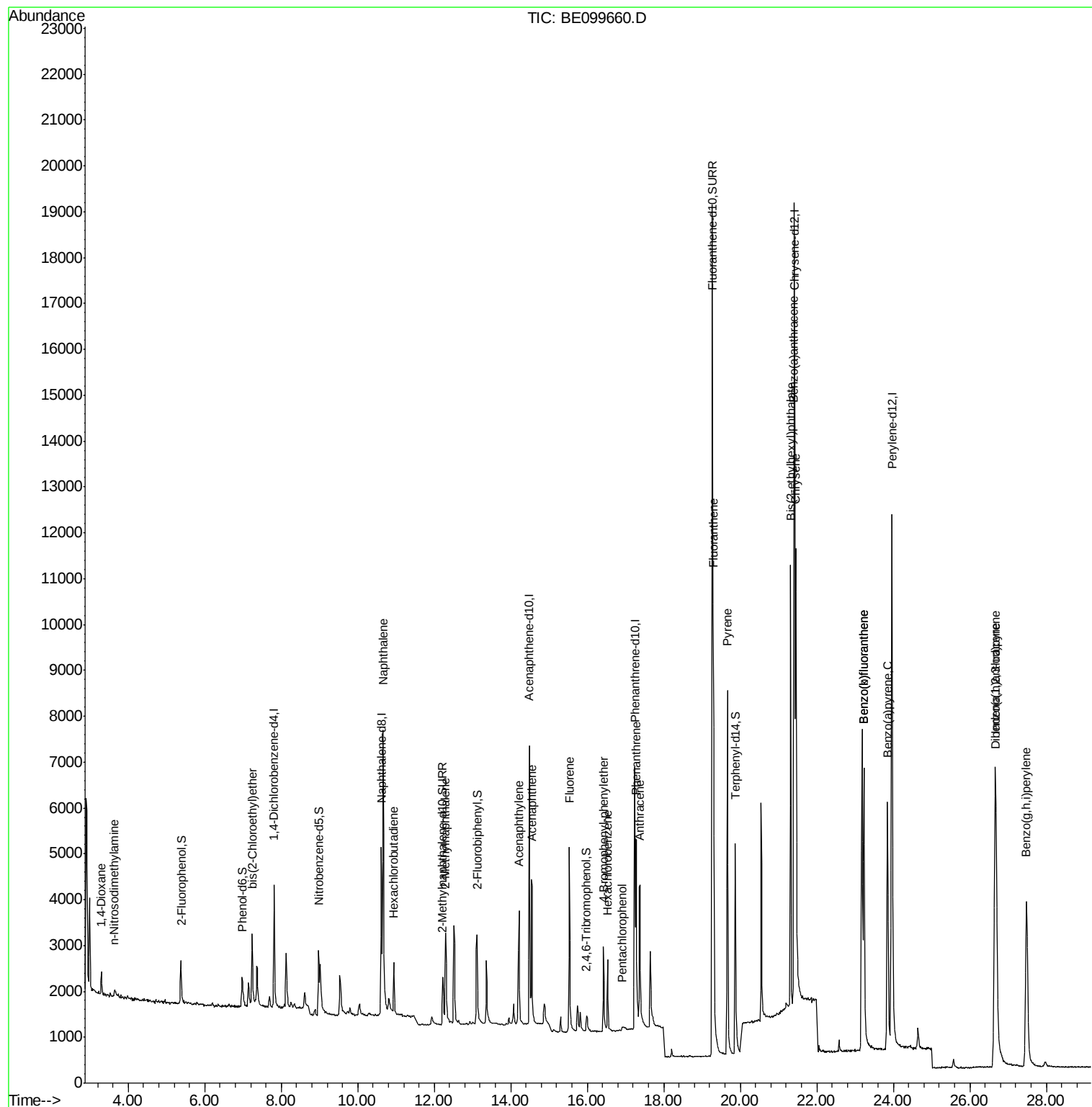
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	453	0.201	ng	# 91
3) n-Nitrosodimethylamine	3.63	42	225	0.157	ng	# 79
6) bis(2-Chloroethyl)ether	7.24	93	889	0.192	ng	92
9) Naphthalene	10.67	128	11604	0.201	ng	99
10) Hexachlorobutadiene	10.94	225	863	0.204	ng	98
12) 2-Methylnaphthalene	12.30	142	1827	0.192	ng	98
16) Acenaphthylene	14.21	152	3403	0.186	ng	99
17) Acenaphthene	14.56	154	1992	0.192	ng	98
18) Fluorene	15.53	166	2910	0.196	ng	97
20) 4-Bromophenyl-phenylether	16.42	248	1366	0.196	ng	# 90
21) Hexachlorobenzene	16.53	284	1405	0.205	ng	99
22) Pentachlorophenol	16.92	266	163	0.060	ng	87
23) Phenanthrene	17.28	178	5701	0.190	ng	99
24) Anthracene	17.37	178	4757	0.172	ng	99
26) Fluoranthene	19.30	202	8850	0.195	ng	99
28) Pyrene	19.66	202	9185	0.198	ng	100
30) Benzo(a)anthracene	21.40	228	9550	0.174	ng	99
31) Chrysene	21.45	228	10854	0.192	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	11165	0.132	ng	99
33) Indeno(1,2,3-cd)pyrene	26.66	276	13091	0.186	ng	99
35) Benzo(b)fluoranthene	23.23	252	11190	0.198	ng	97
36) Benzo(k)fluoranthene	23.23	252	11373	0.204	ng	97
37) Benzo(a)pyrene	23.84	252	10338	0.189	ng	# 92
38) Dibenzo(a,h)anthracene	26.69	278	10591	0.187	ng	# 95
39) Benzo(g,h,i)perylene	27.48	276	10927	0.191	ng	98

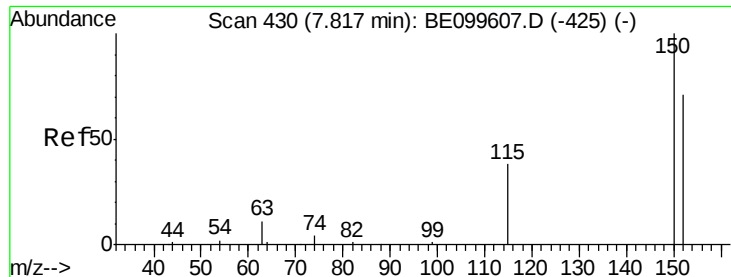
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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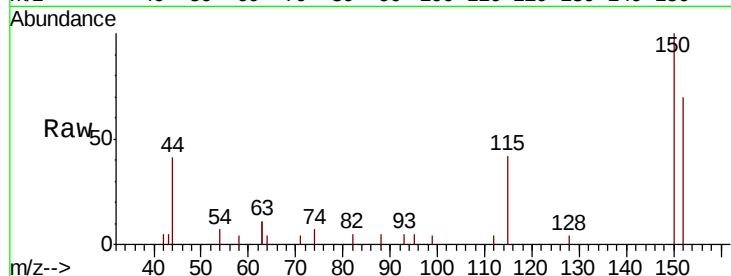


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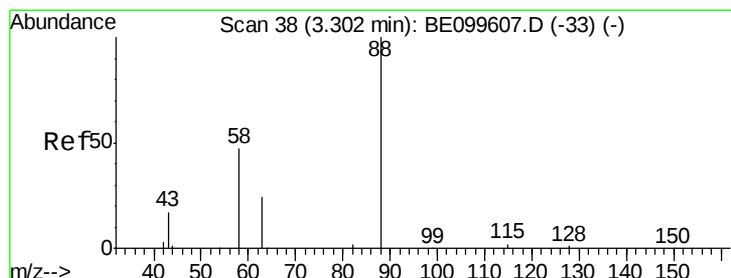
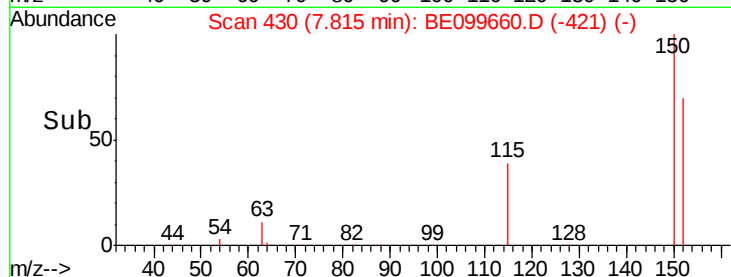
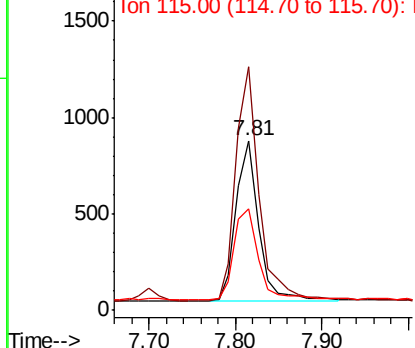
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099660.D
Acq: 20 May 2019 11:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1527
Ion Ratio Lower Upper
152 100
150 143.7 109.2 163.8
115 59.8 43.7 65.5



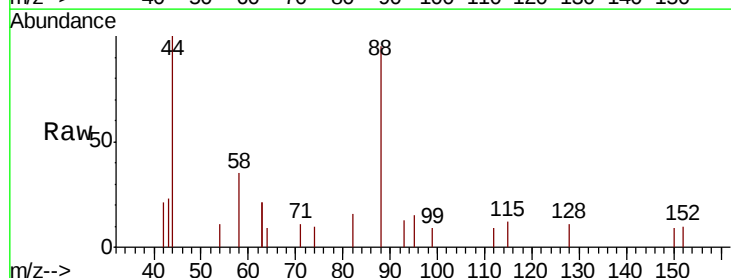
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



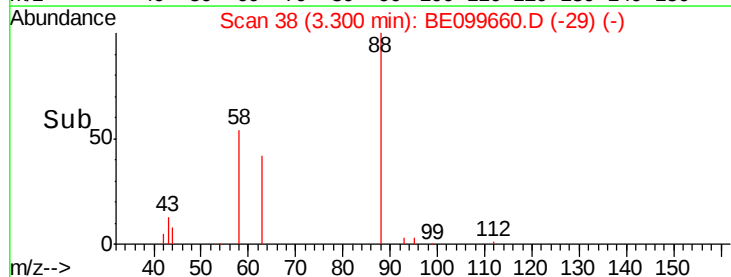
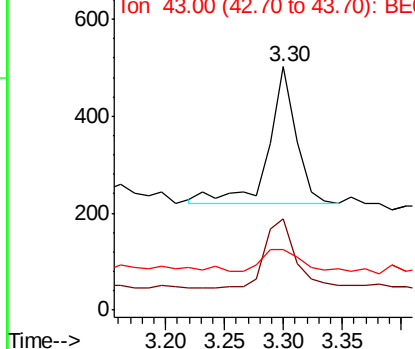
#2

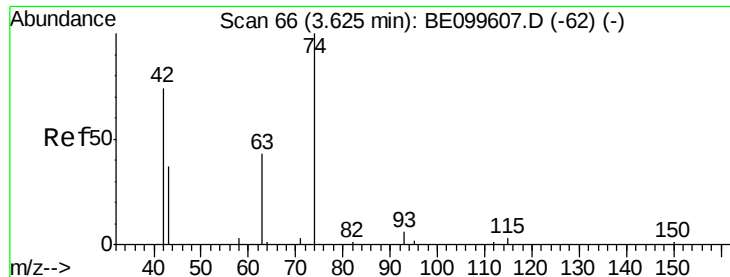
1,4-Dioxane
Concen: 0.201 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099660.D
Acq: 20 May 2019 11:51

Tgt Ion: 88 Resp: 453
Ion Ratio Lower Upper
88 100
58 57.8 41.8 62.8
43 23.4 15.0 22.4#



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



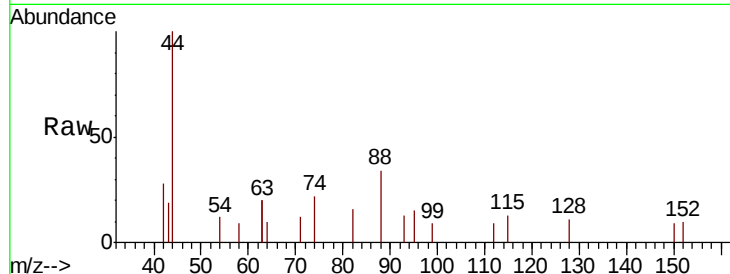


#3

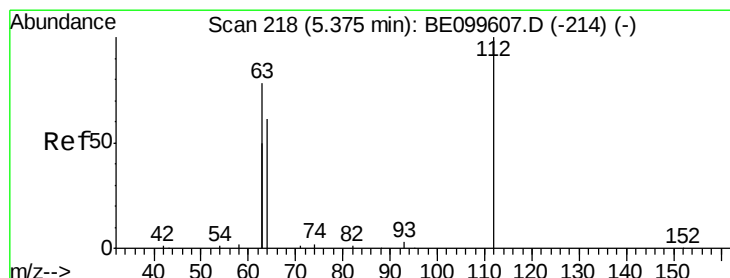
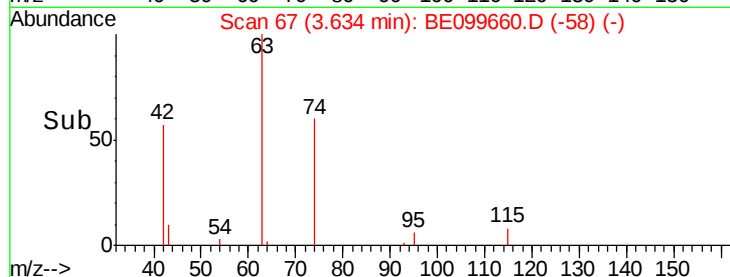
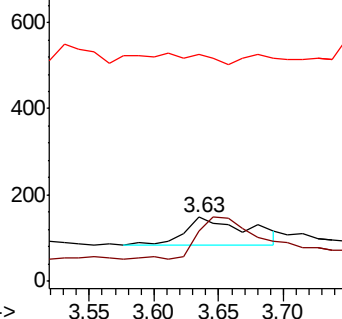
n-Nitrosodimethylamine
 Concen: 0.157 ng
 RT: 3.63 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: BE099660.D
 Acq: 20 May 2019 11:51

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	42	Resp:	225
Ion	Ratio	Lower	Upper
42	100		
74	132.9	128.4	192.6
44	0.0	0.0	0.0



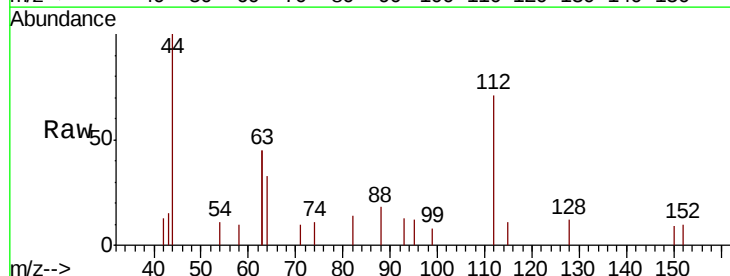
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



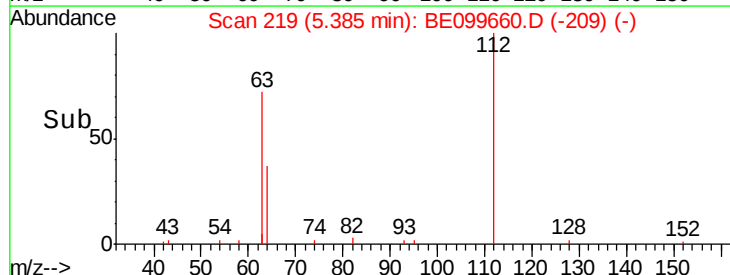
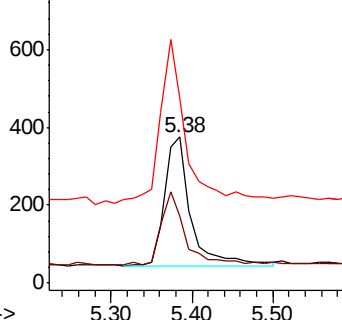
#4

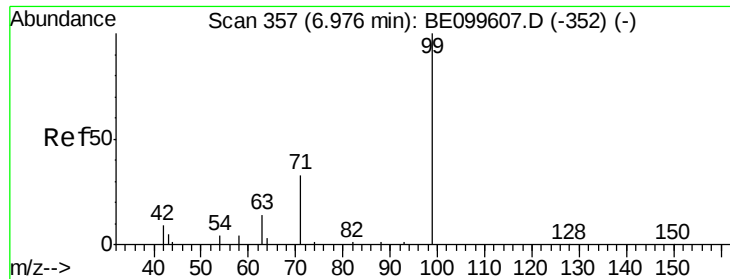
2-Fluorophenol
 Concen: 0.170 ng
 RT: 5.38 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: BE099660.D
 Acq: 20 May 2019 11:51

Tgt Ion:	112	Resp:	739
Ion	Ratio	Lower	Upper
112	100		
64	50.7	43.4	65.2
63	125.2	96.9	145.3



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: 0.176 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampled :

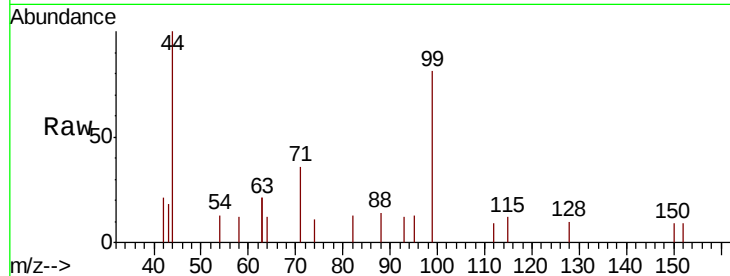
Tot Ion: 99 Resp: 965

Ion Ratio Lower Upper

99 100

42 16.9 12.2 18.2

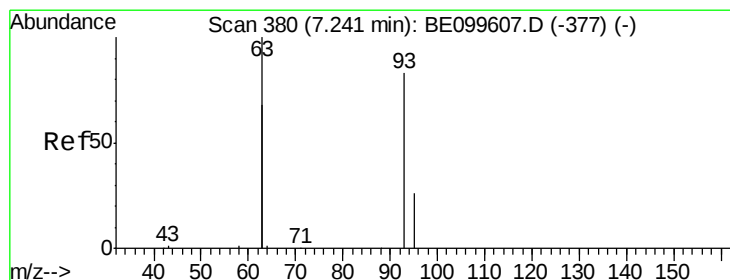
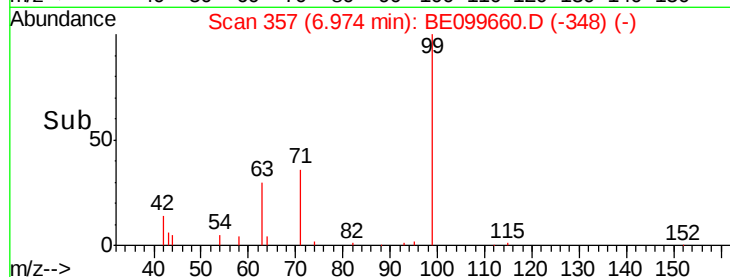
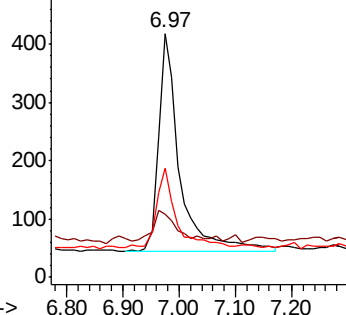
71 35.9 28.9 43.3



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: 0.192 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

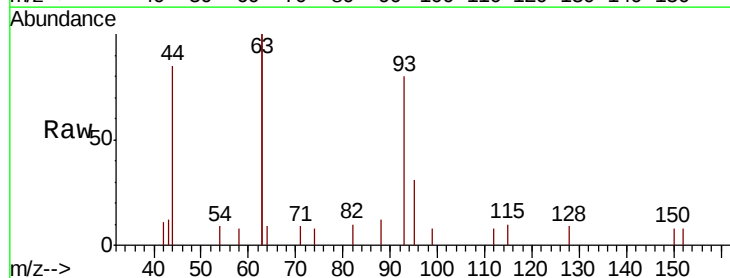
Tgt Ion: 93 Resp: 889

Ion Ratio Lower Upper

93 100

63 244.2 207.8 311.6

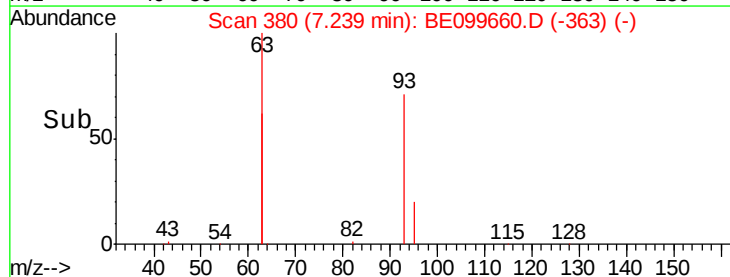
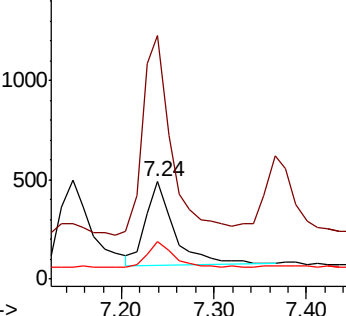
95 31.3 25.9 38.9

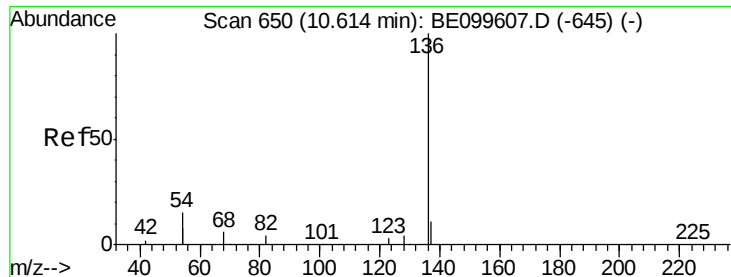


Abundance Ion 93.00 (92.70 to 93.70): BE0

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# 651

Delta R.T. 0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5422

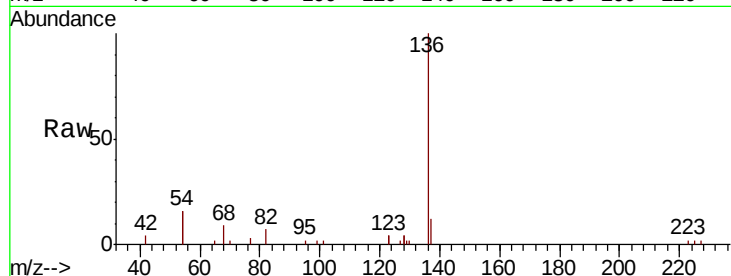
Ion Ratio Lower Upper

136 100

137 12.3 9.0 13.6

54 32.3 22.3 33.5

68 8.5 6.0 9.0

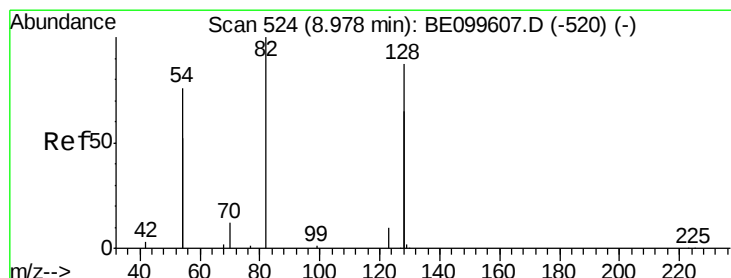
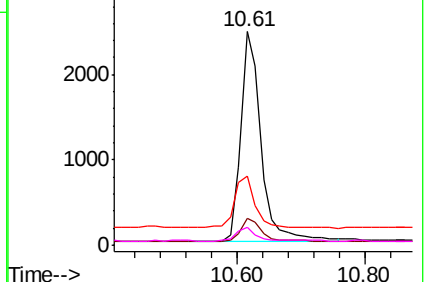
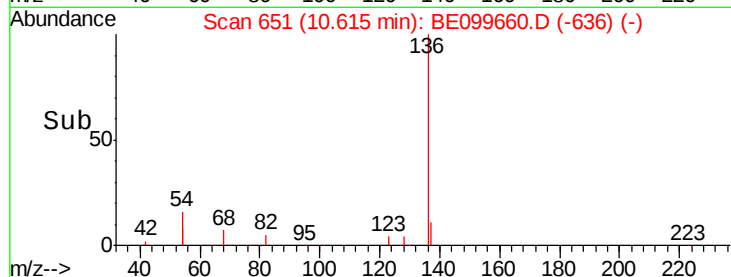


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.149 ng

RT: 8.98 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

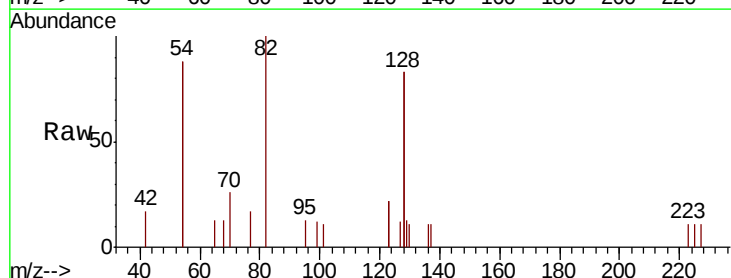
Tgt Ion: 82 Resp: 781

Ion Ratio Lower Upper

82 100

128 165.8 117.7 176.5

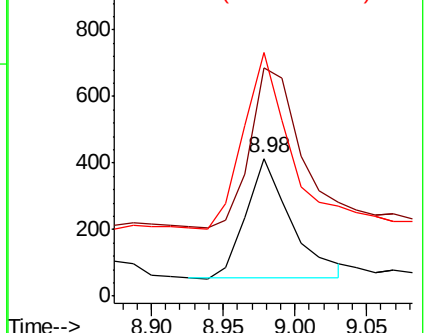
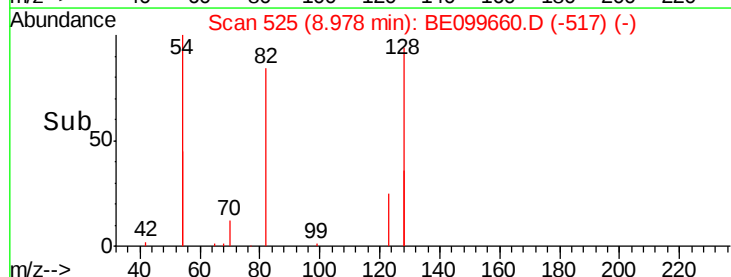
54 176.4 106.6 160.0#

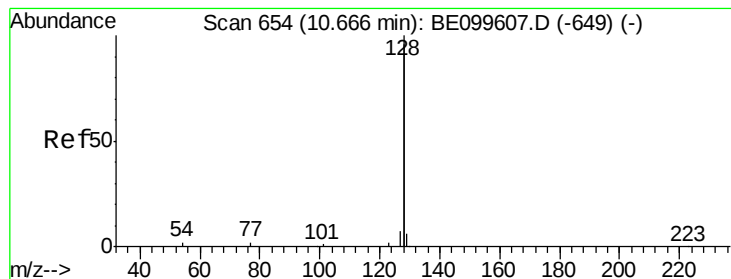


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.201 ng

RT: 10.67 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

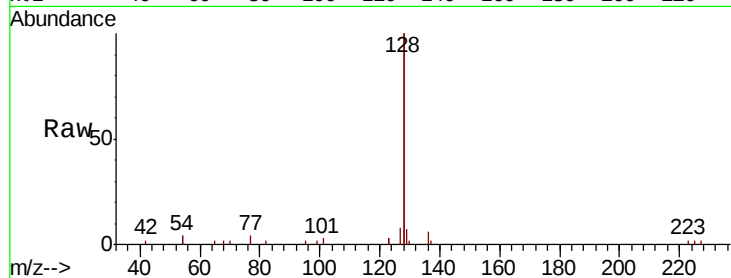
Tot Ion:128 Resp: 11604

Ion Ratio Lower Upper

128 100

129 3.5 2.4 3.6

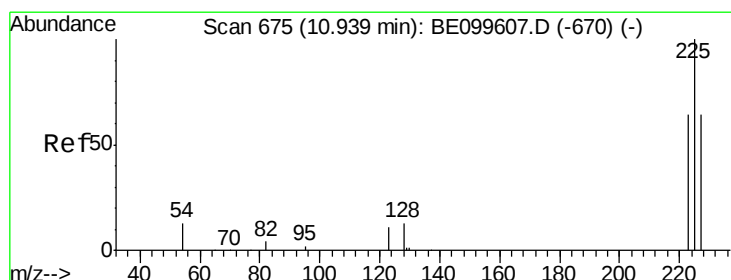
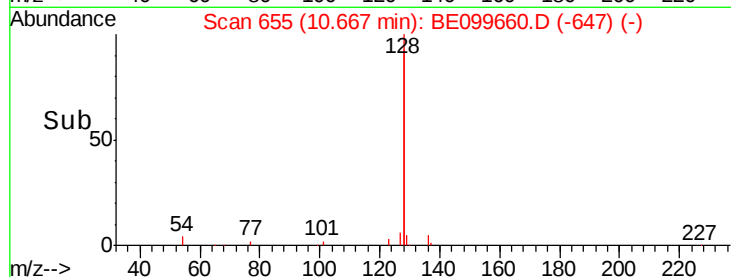
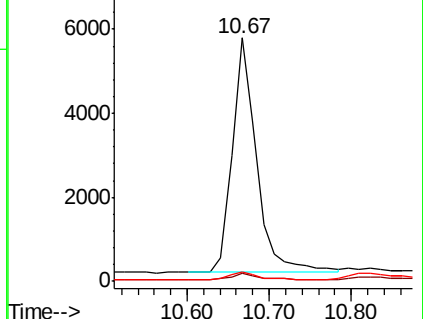
127 4.0 2.9 4.3



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: 0.204 ng

RT: 10.94 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

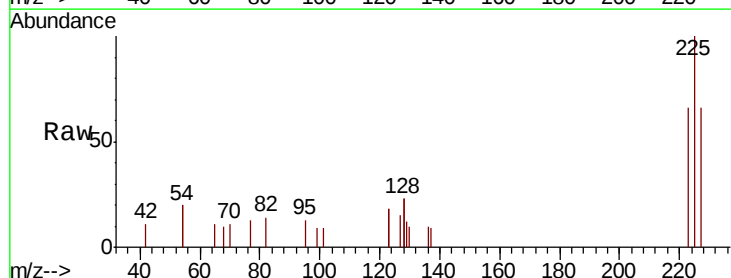
Tgt Ion:225 Resp: 863

Ion Ratio Lower Upper

225 100

223 62.2 51.8 77.6

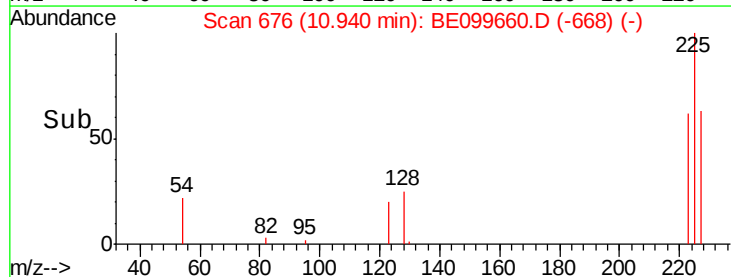
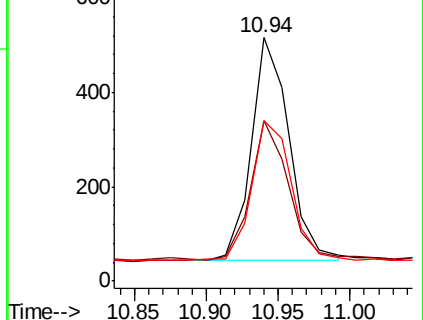
227 65.9 52.6 79.0

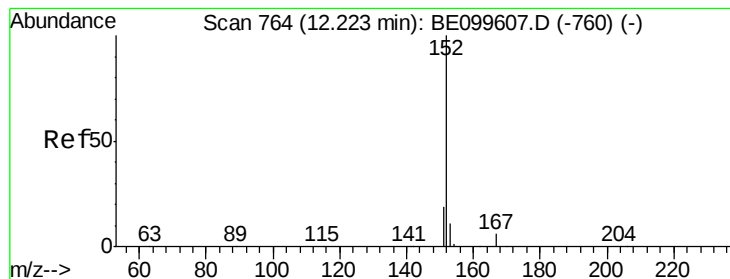


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

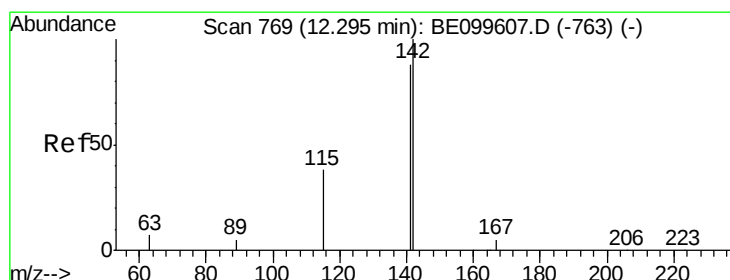
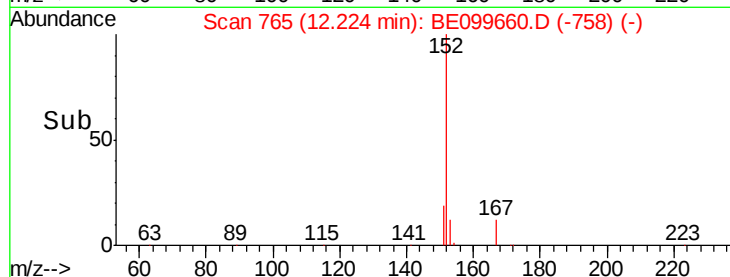
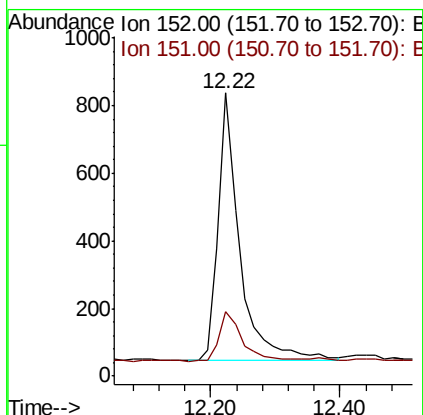
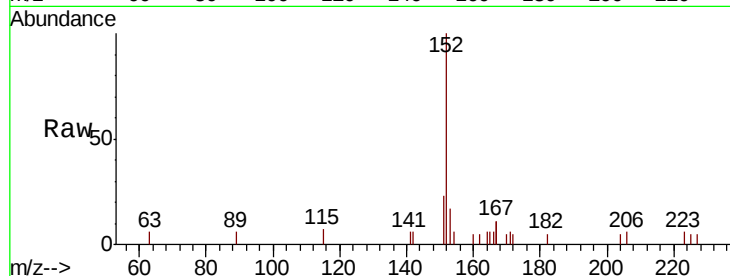




#11
2-Methylnaphthalene-d10
Concen: 0.199 ng
RT: 12.22 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE099660.D
Acq: 20 May 2019 11:51

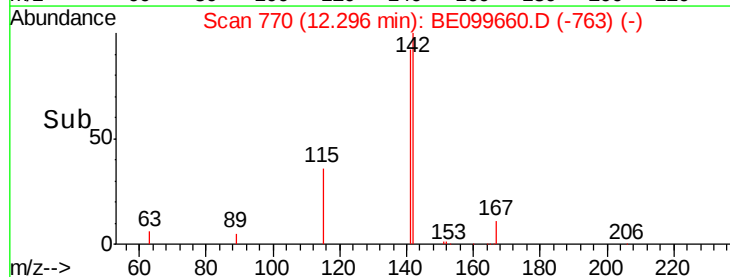
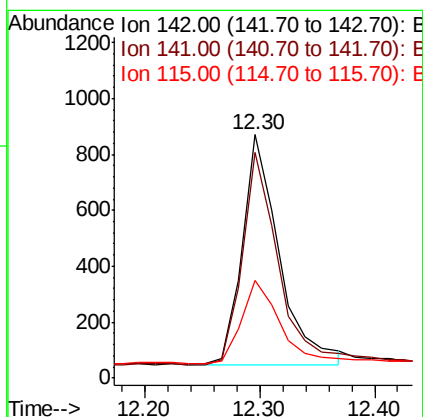
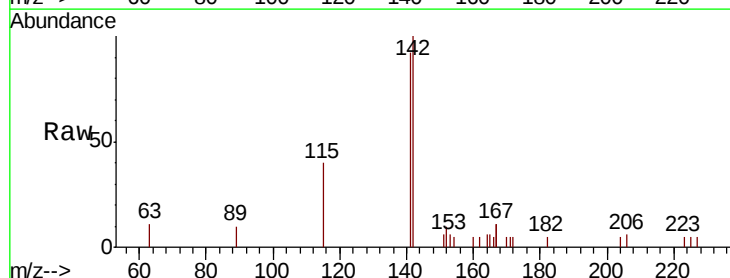
Instrument :
BNA_E
ClientSampled :

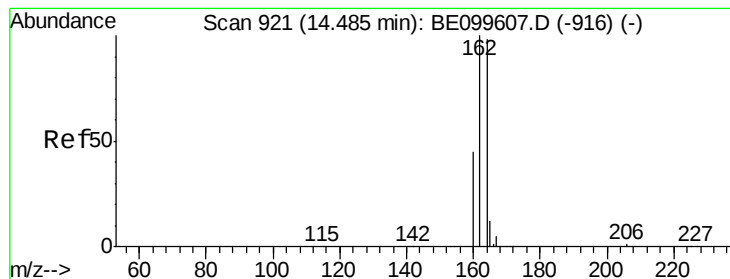
Tot Ion:152 Resp: 1815
Ion Ratio Lower Upper
152 100
151 19.8 15.0 22.4



#12
2-Methylnaphthalene
Concen: 0.192 ng
RT: 12.30 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE099660.D
Acq: 20 May 2019 11:51

Tgt Ion:142 Resp: 1827
Ion Ratio Lower Upper
142 100
141 92.4 72.0 108.0
115 40.0 31.0 46.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 922

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

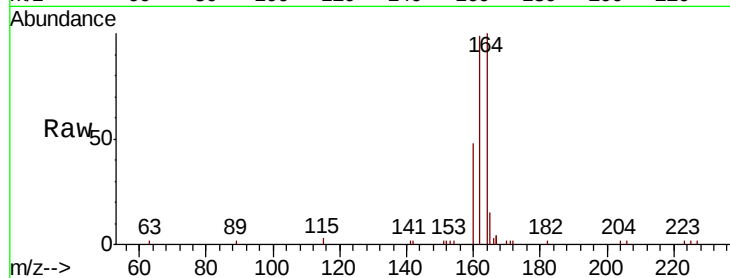
Tot Ion:164 Resp: 3883

Ion Ratio Lower Upper

164 100

162 98.9 76.5 114.7

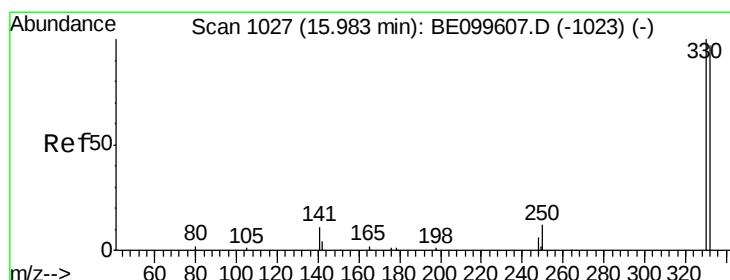
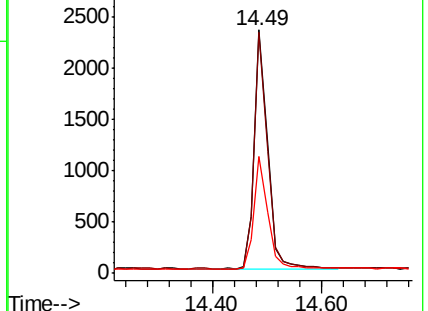
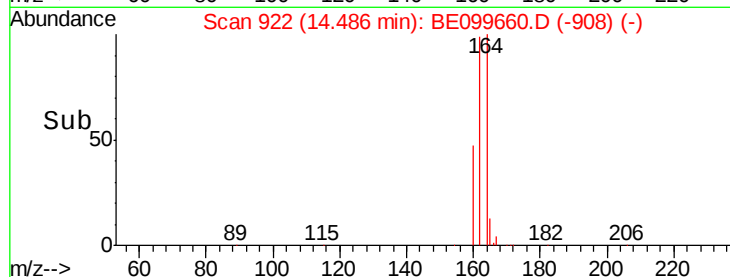
160 48.2 37.4 56.2



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: 0.128 ng

RT: 15.98 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

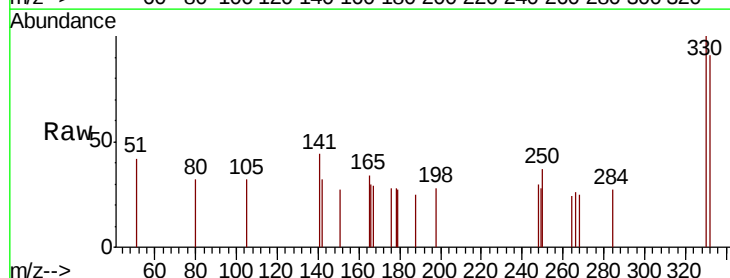
Tgt Ion:330 Resp: 339

Ion Ratio Lower Upper

330 100

332 102.1 77.3 115.9

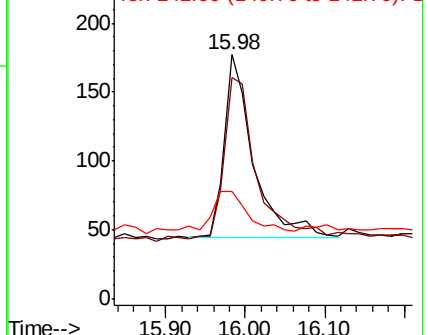
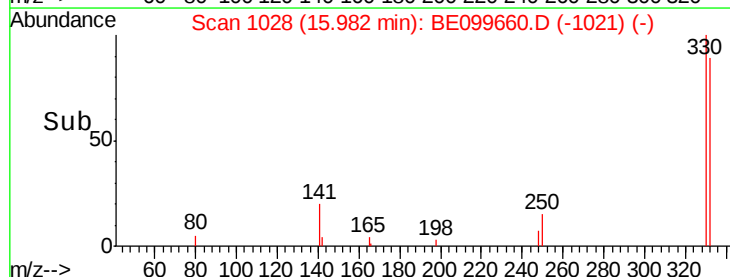
141 26.0 18.9 28.3

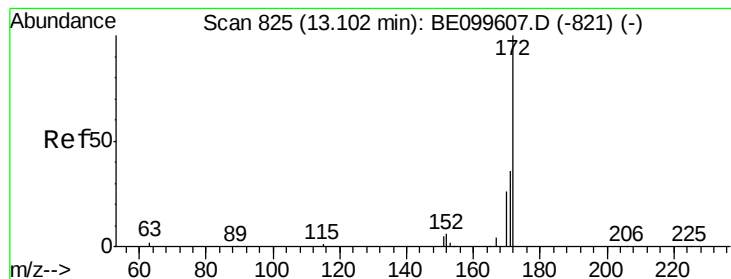


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.196 ng

RT: 13.12 min Scan# 827

Delta R.T. 0.01 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

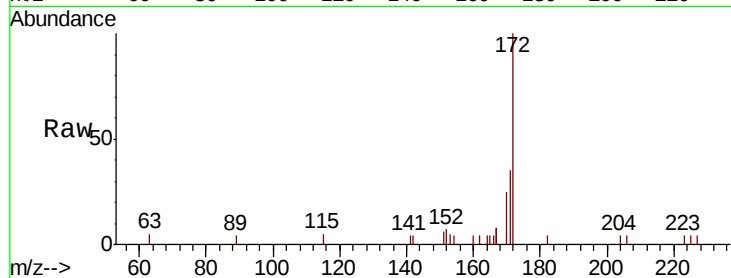
Tot Ion:172 Resp: 2928

Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

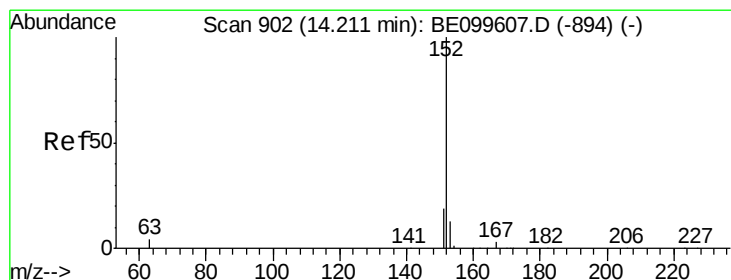
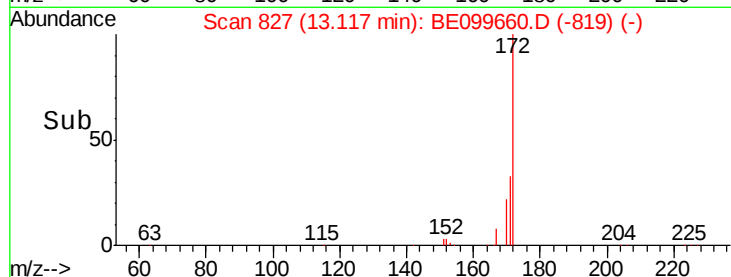
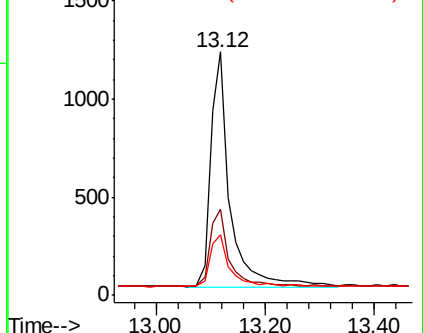
170 25.1 20.9 31.3



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: 0.186 ng

RT: 14.21 min Scan# 903

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

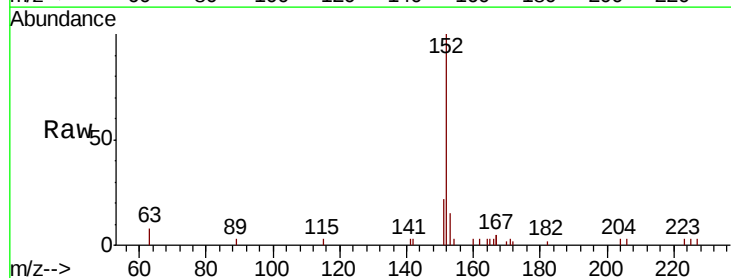
Tgt Ion:152 Resp: 3403

Ion Ratio Lower Upper

152 100

151 19.2 15.9 23.9

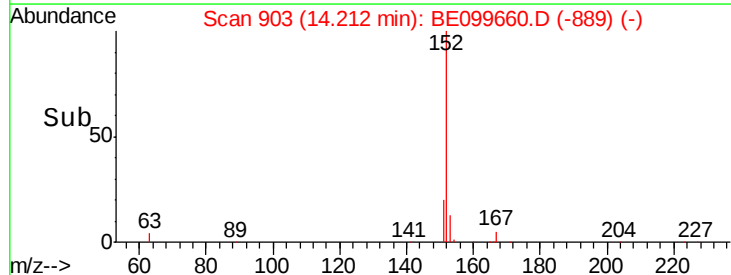
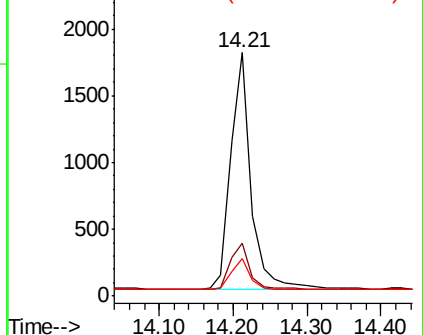
153 13.1 10.6 16.0

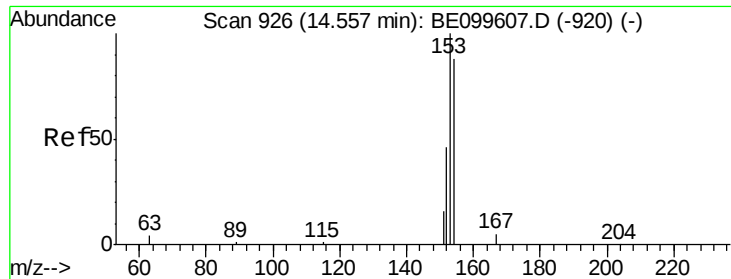


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

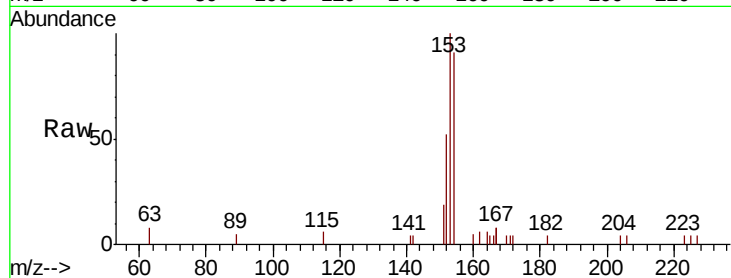




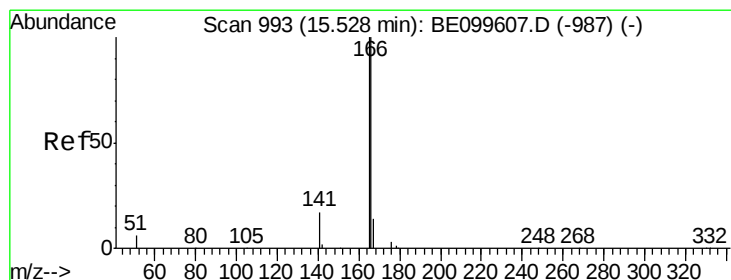
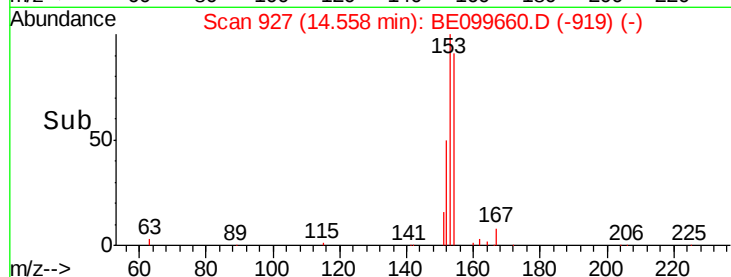
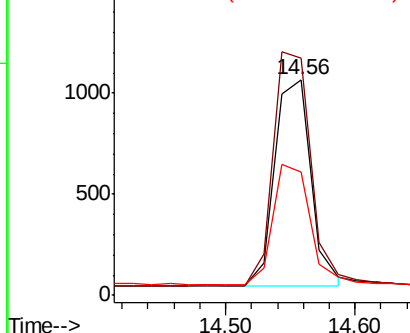
#17
Acenaphthene
Concen: 0.192 ng
RT: 14.56 min Scan# 927
Delta R.T. 0.01 min
Lab File: BE099660.D
Acq: 20 May 2019 11:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 1992
Ion Ratio Lower Upper
154 100
153 118.0 92.2 138.4
152 59.5 46.2 69.4

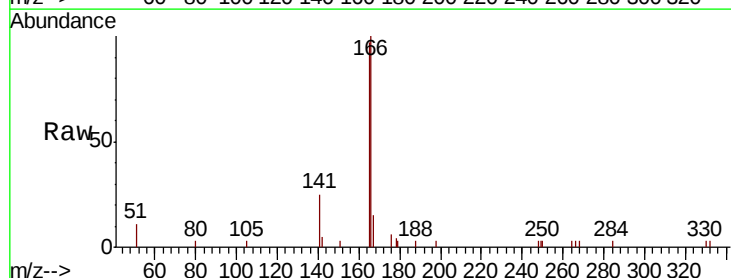


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

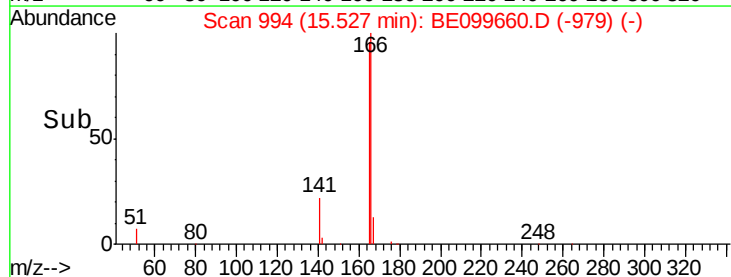
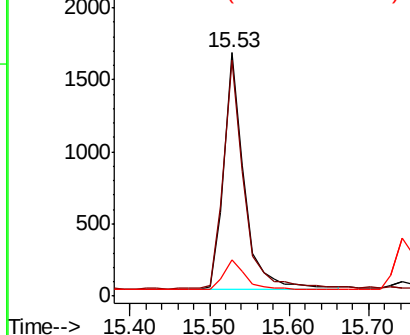


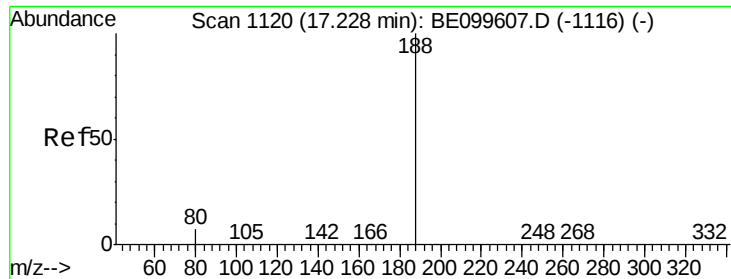
#18
Fluorene
Concen: 0.196 ng
RT: 15.53 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE099660.D
Acq: 20 May 2019 11:51

Tgt Ion:166 Resp: 2910
Ion Ratio Lower Upper
166 100
165 97.3 80.3 120.5
167 13.3 10.6 16.0



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# 1122

Delta R.T. 0.01 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

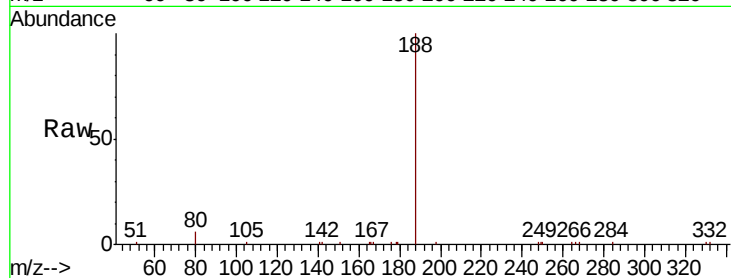
Tot Ion:188 Resp: 12111

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

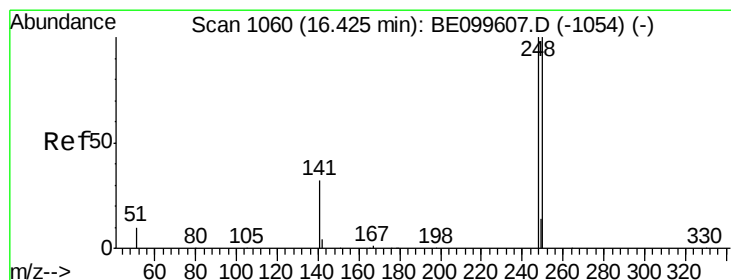
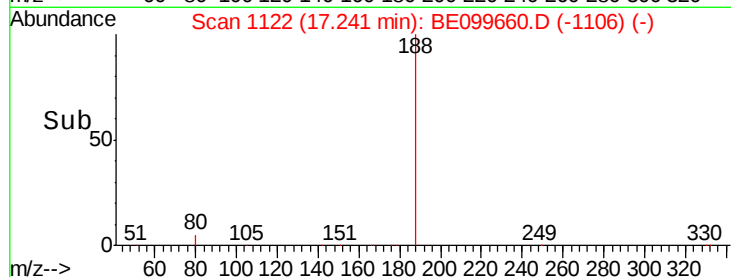
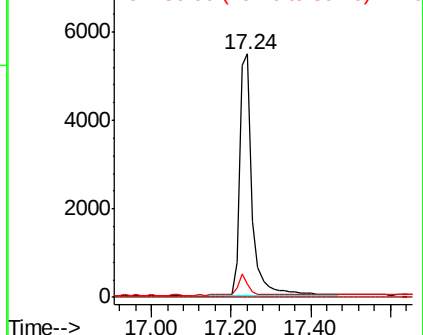
80 5.5 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.196 ng

RT: 16.42 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

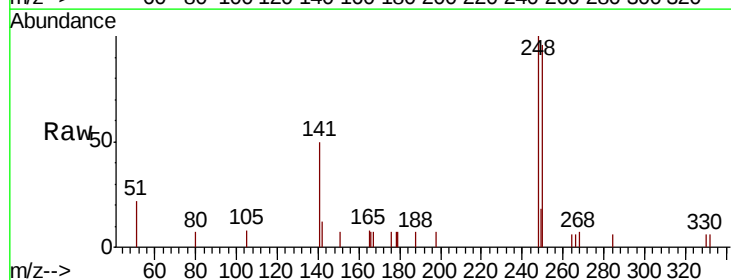
Tgt Ion:248 Resp: 1366

Ion Ratio Lower Upper

248 100

250 95.9 79.8 119.8

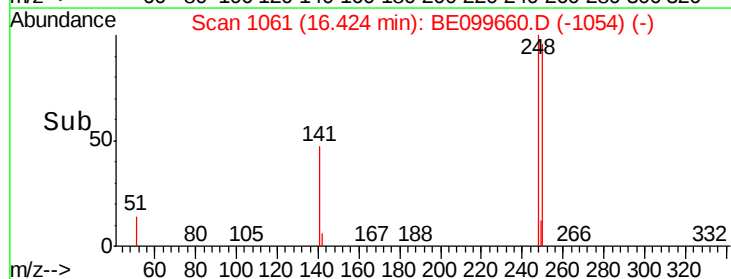
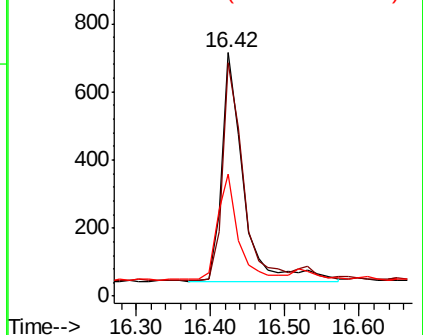
141 50.3 27.0 40.6#

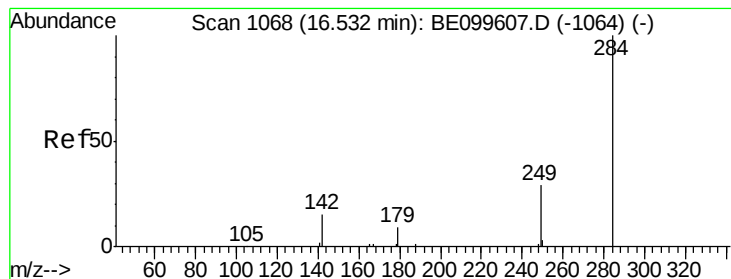


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.205 ng

RT: 16.53 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

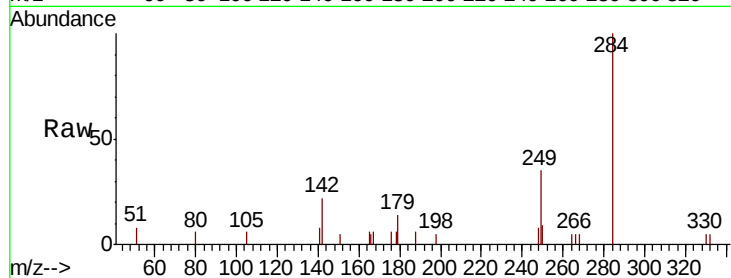
Tot Ion:284 Resp: 1405

Ion Ratio Lower Upper

284 100

142 22.6 17.8 26.6

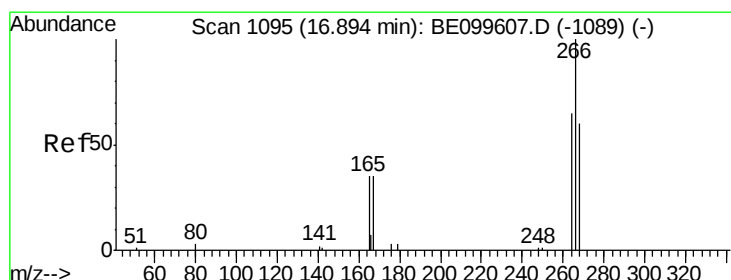
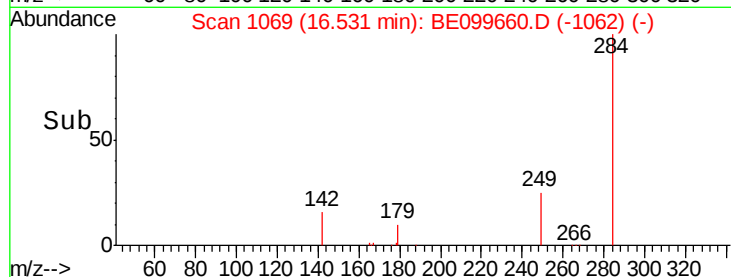
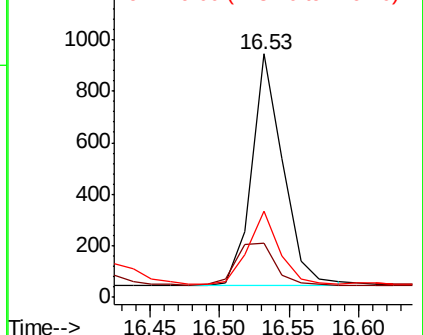
249 30.5 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.060 ng

RT: 16.92 min Scan# 1098

Delta R.T. 0.01 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

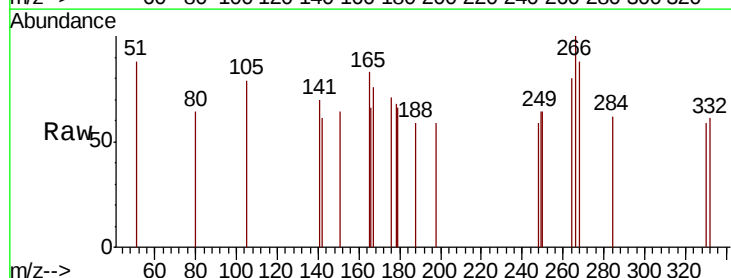
Tgt Ion:266 Resp: 163

Ion Ratio Lower Upper

266 100

264 80.3 57.2 85.8

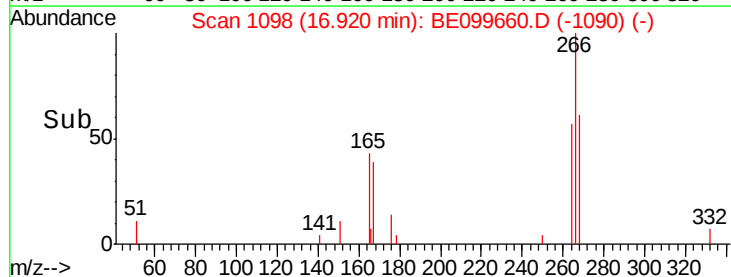
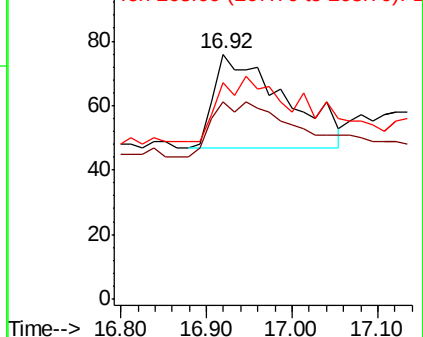
268 88.2 60.5 90.7

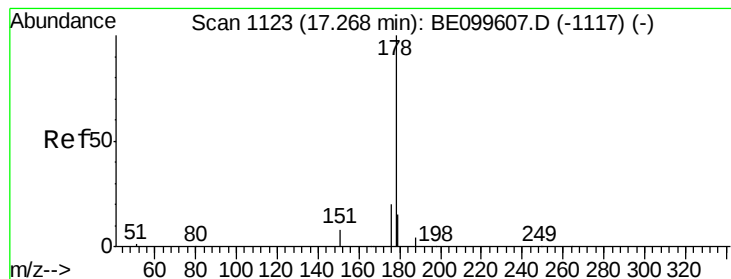


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.190 ng

RT: 17.28 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

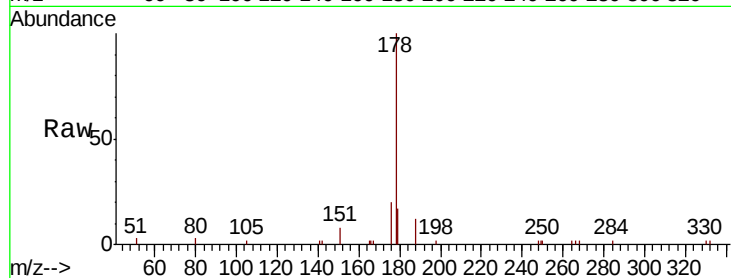
Tot Ion:178 Resp: 5701

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

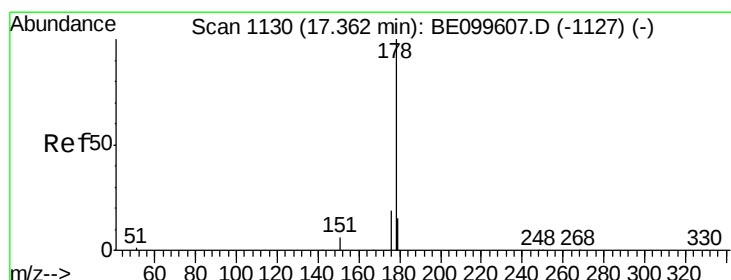
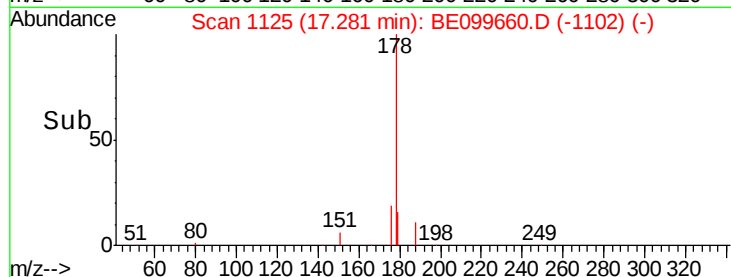
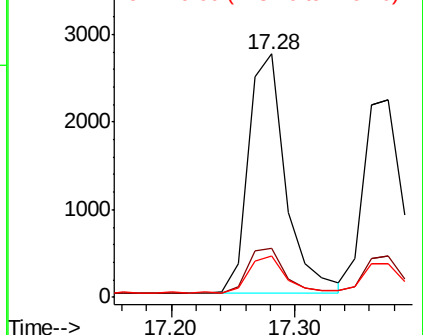
179 15.1 12.2 18.4



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



#24

Anthracene

Concen: 0.172 ng

RT: 17.37 min Scan# 1132

Delta R.T. 0.01 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

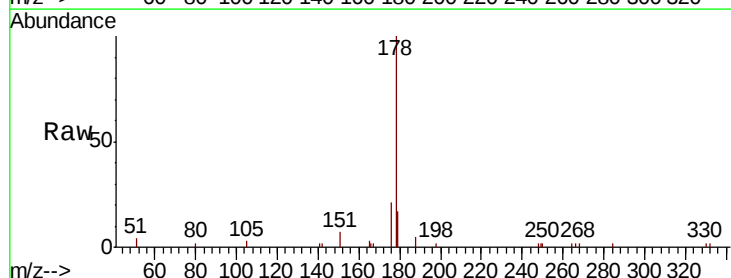
Tgt Ion:178 Resp: 4757

Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

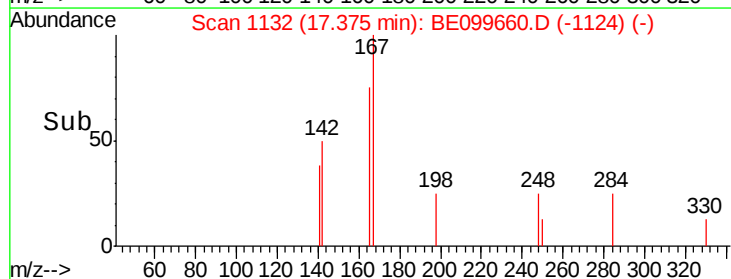
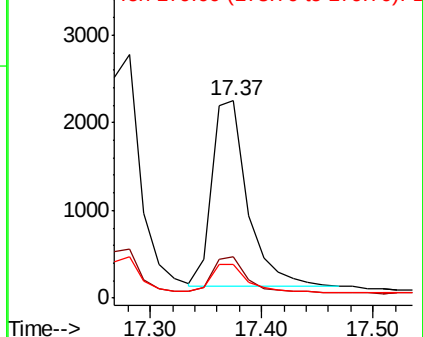
179 15.7 12.0 18.0

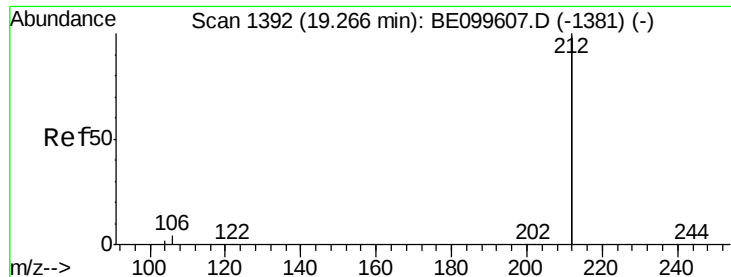


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

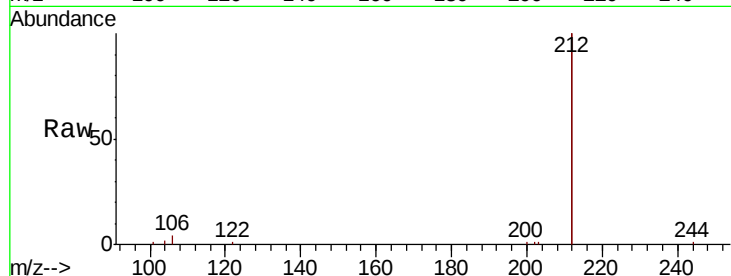




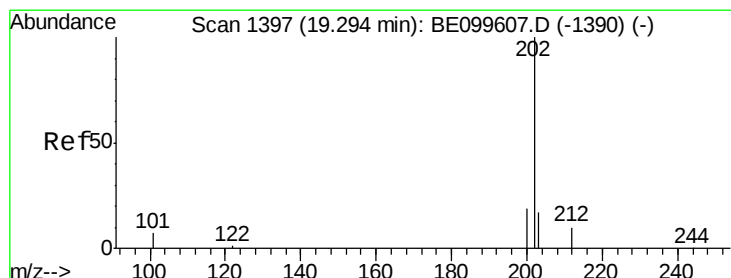
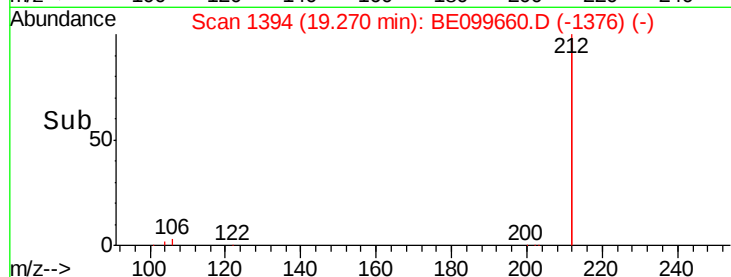
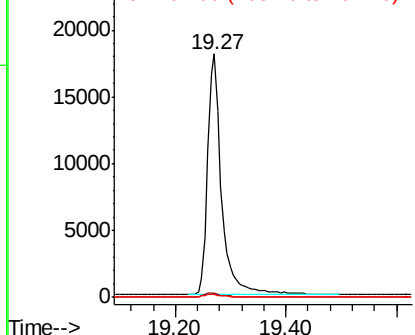
#25
 Fluoranthene-d10
 Concen: 0.198 ng
 RT: 19.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: BE099660.D
 Acq: 20 May 2019 11:51

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:212 Resp: 31853
 Ion Ratio Lower Upper
 212 100
 106 1.8 1.4 2.2
 104 0.9 0.8 1.2

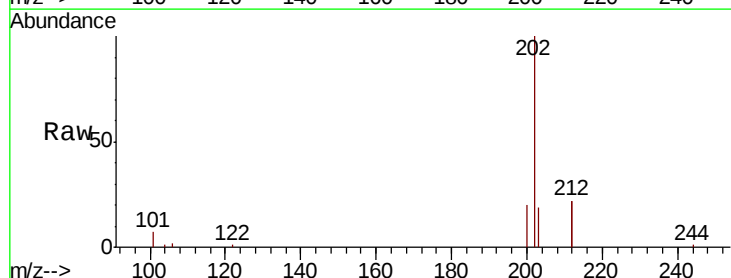


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

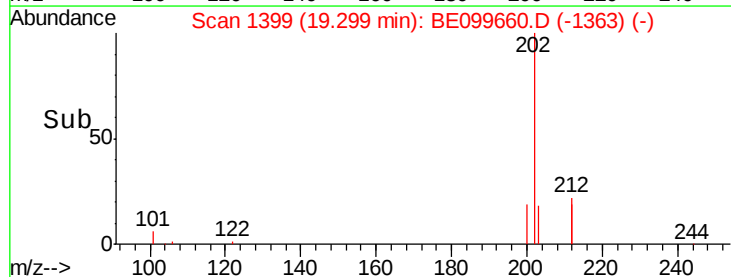
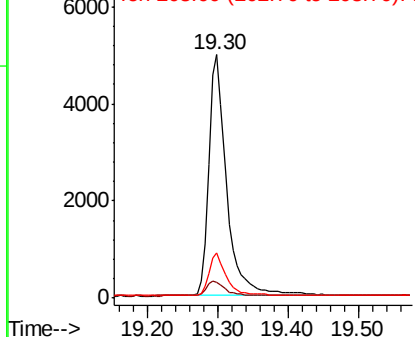


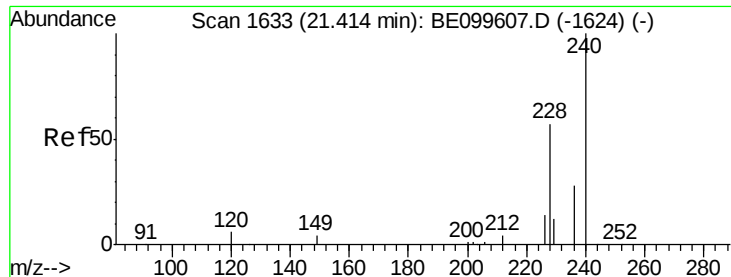
#26
 Fluoranthene
 Concen: 0.195 ng
 RT: 19.30 min Scan# 1399
 Delta R.T. 0.01 min
 Lab File: BE099660.D
 Acq: 20 May 2019 11:51

Tgt Ion:202 Resp: 8850
 Ion Ratio Lower Upper
 202 100
 101 6.8 5.2 7.8
 203 16.5 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: 21.41 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

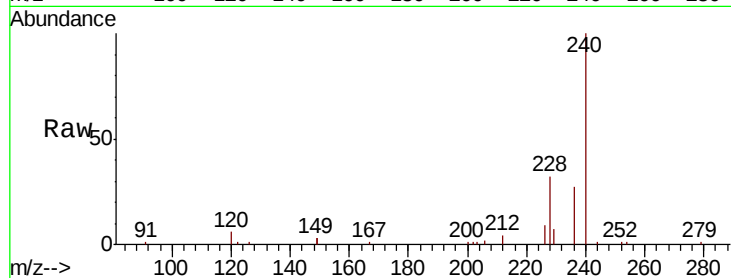
Tot Ion:240 Resp: 18182

Ion Ratio Lower Upper

240 100

120 6.2 5.4 8.0

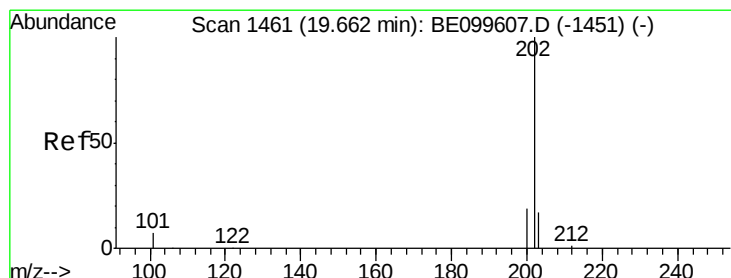
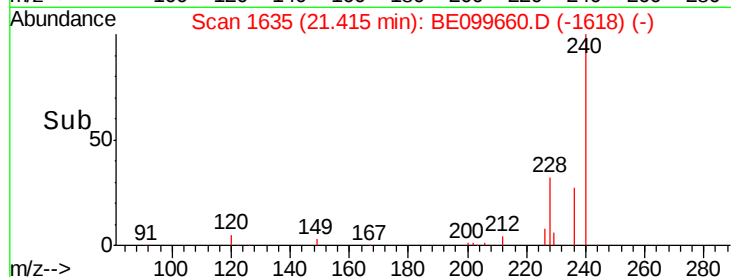
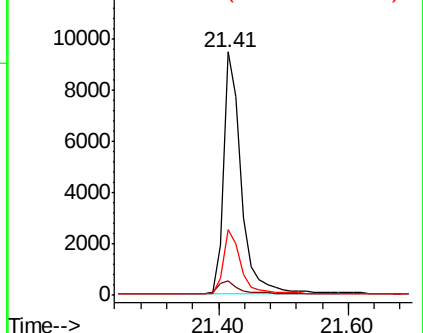
236 26.9 21.7 32.5



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: 0.198 ng

RT: 19.66 min Scan# 1462

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

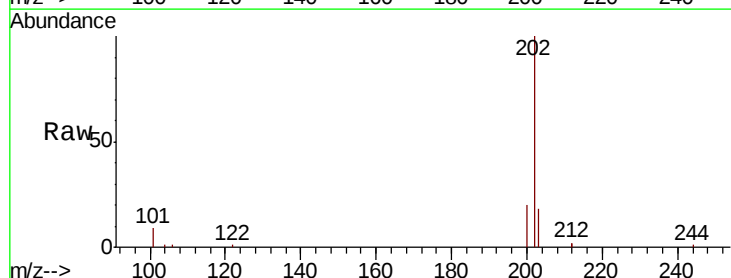
Tgt Ion:202 Resp: 9185

Ion Ratio Lower Upper

202 100

200 19.5 15.4 23.2

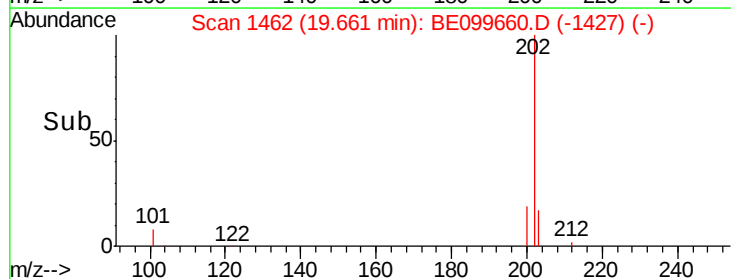
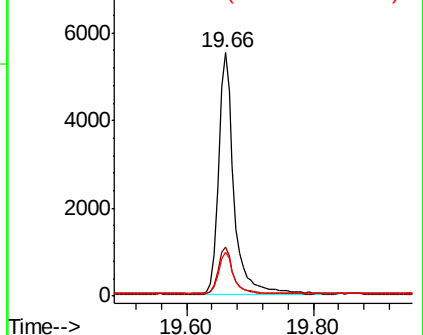
203 17.5 13.8 20.8

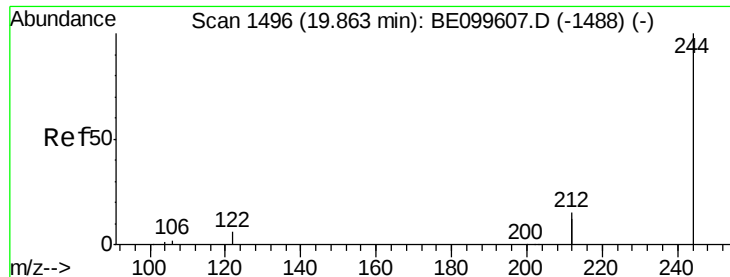


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.192 ng

RT: 19.87 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

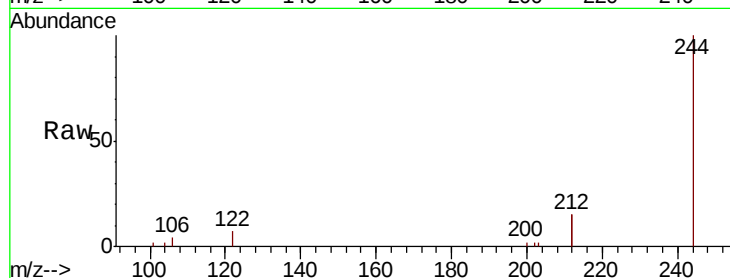
Tot Ion:244 Resp: 6287

Ion Ratio Lower Upper

244 100

212 30.7 22.5 33.7

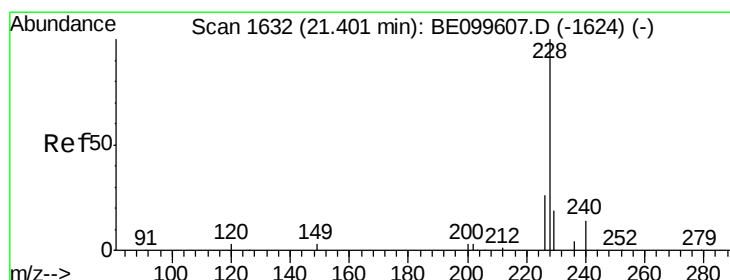
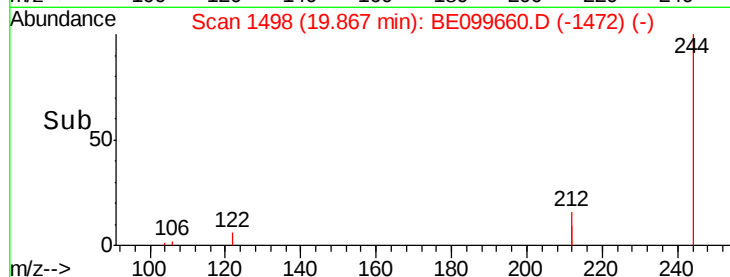
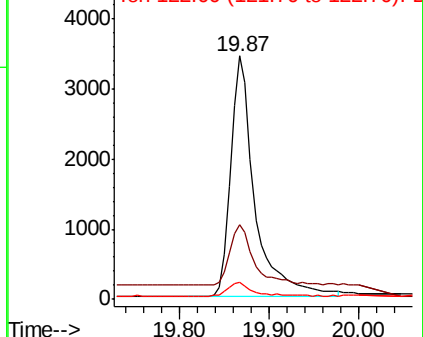
122 7.0 4.3 6.5#



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: 0.174 ng

RT: 21.40 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

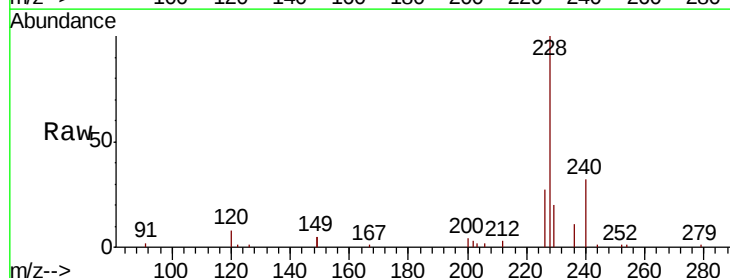
Tgt Ion:228 Resp: 9550

Ion Ratio Lower Upper

228 100

226 27.1 21.3 31.9

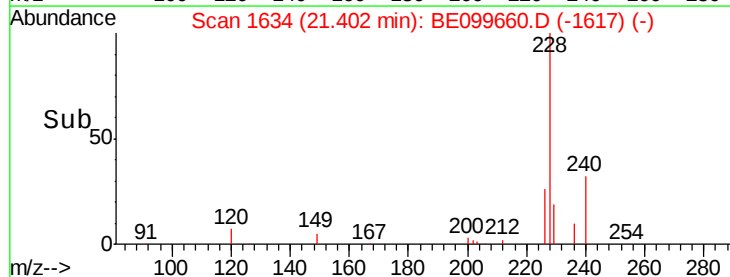
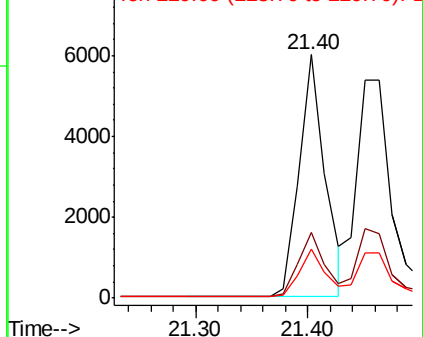
229 19.9 16.1 24.1

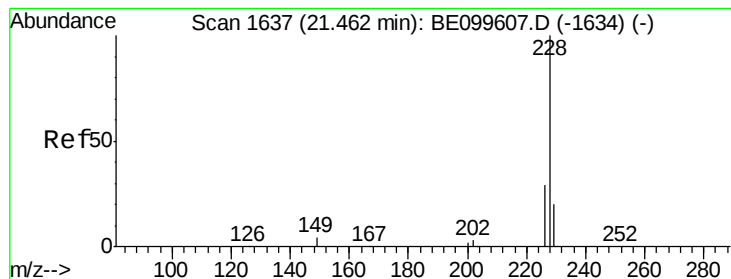


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.192 ng

RT: 21.45 min Scan# 1638

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

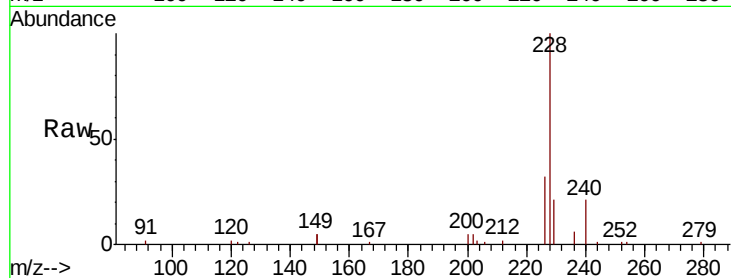
Tot Ion:228 Resp: 10854

Ion Ratio Lower Upper

228 100

226 31.9 24.7 37.1

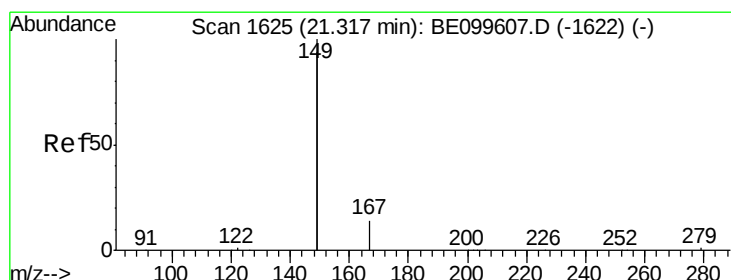
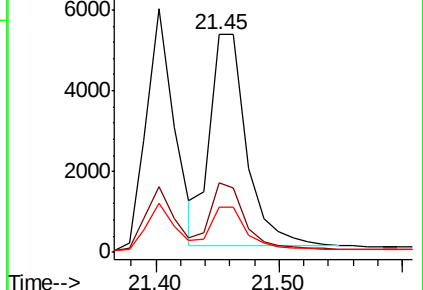
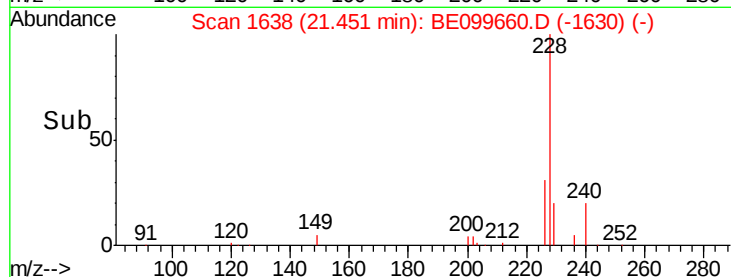
229 20.6 15.8 23.6



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: 0.132 ng

RT: 21.32 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

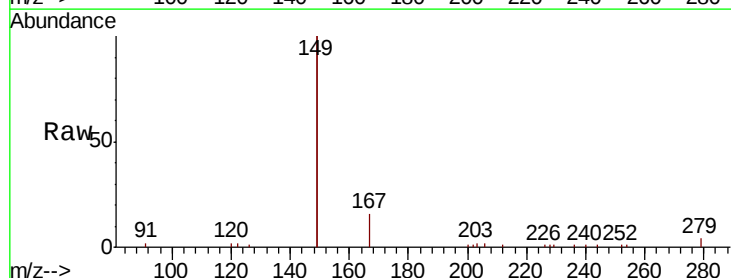
Tgt Ion:149 Resp: 11165

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

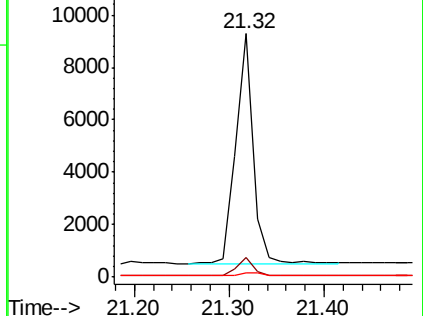
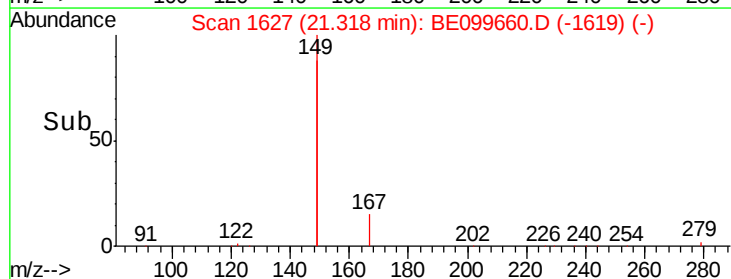
279 1.6 1.2 1.8

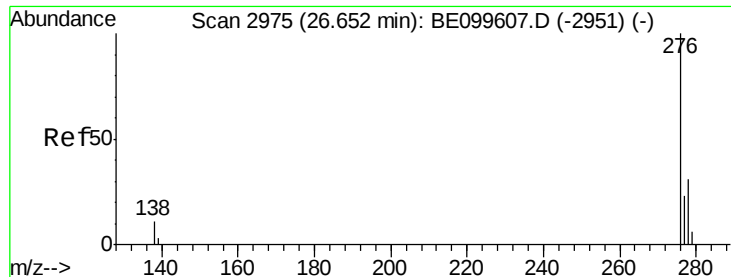


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.186 ng

RT: 26.66 min Scan# 2978

Delta R.T. 0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

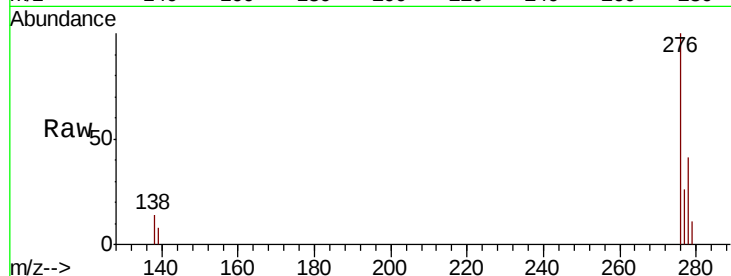
Tot Ion:276 Resp: 13091

Ion Ratio Lower Upper

276 100

138 12.4 9.6 14.4

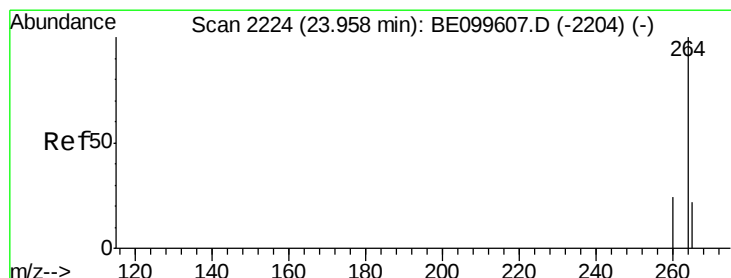
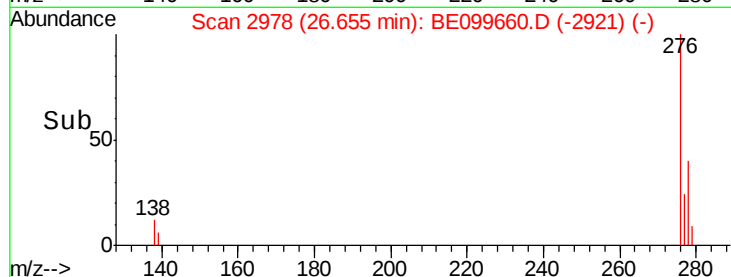
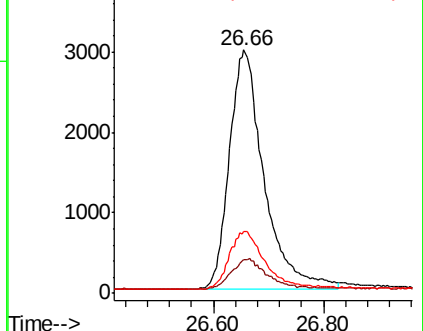
277 24.1 19.2 28.8



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: 23.96 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

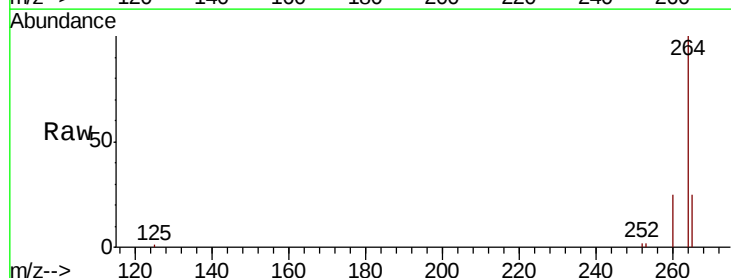
Tgt Ion:264 Resp: 20207

Ion Ratio Lower Upper

264 100

260 25.1 19.6 29.4

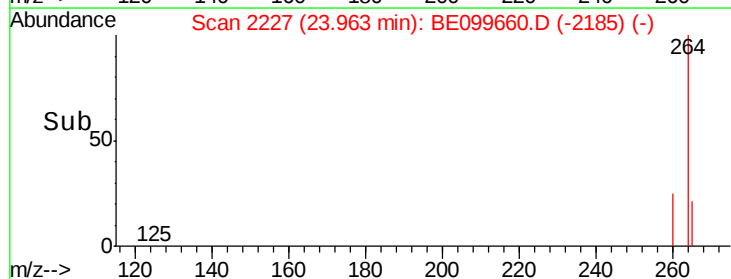
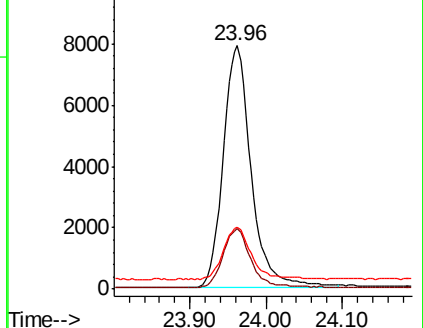
265 25.3 19.1 28.7

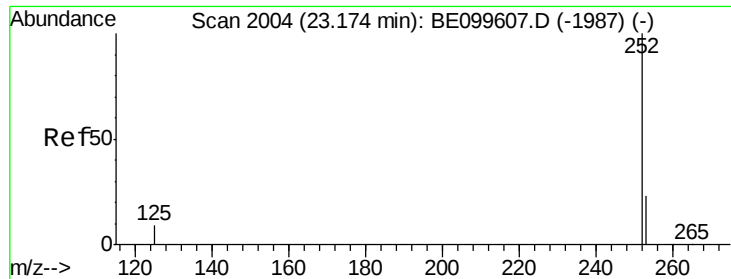


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

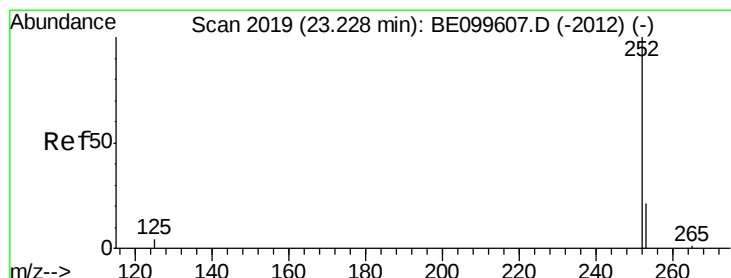
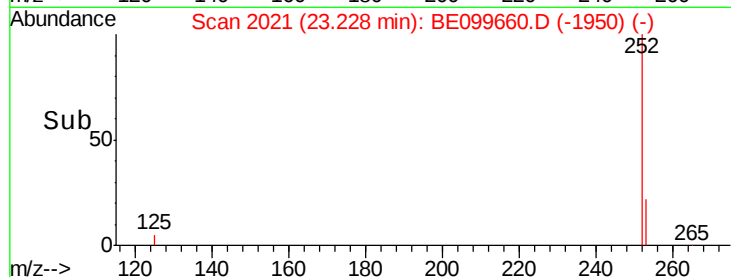
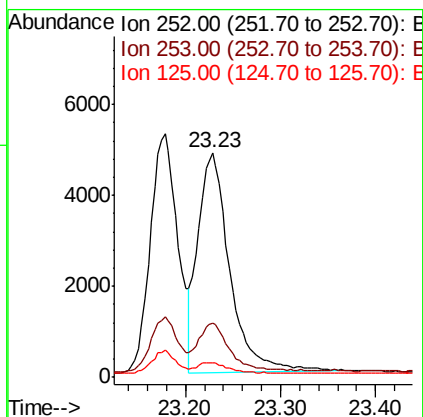
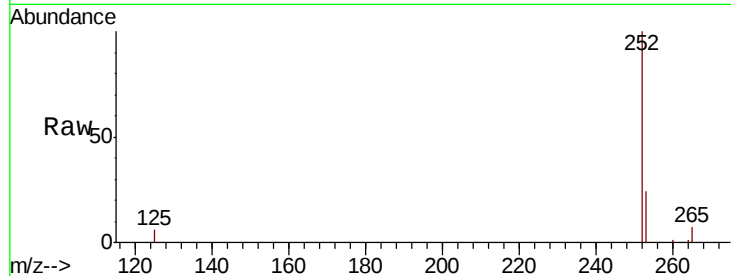




#35
Benzo(b)fluoranthene
Concen: 0.198 ng
RT: 23.23 min Scan# 2021
Delta R.T. 0.05 min
Lab File: BE099660.D
Acq: 20 May 2019 11:51

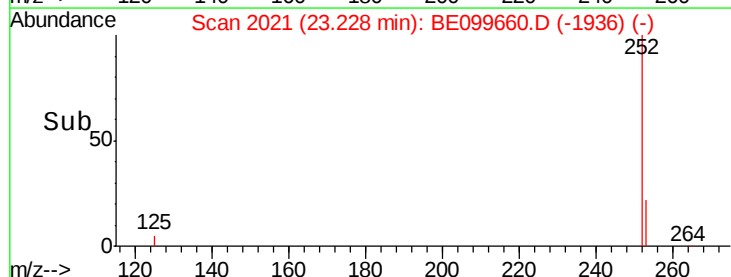
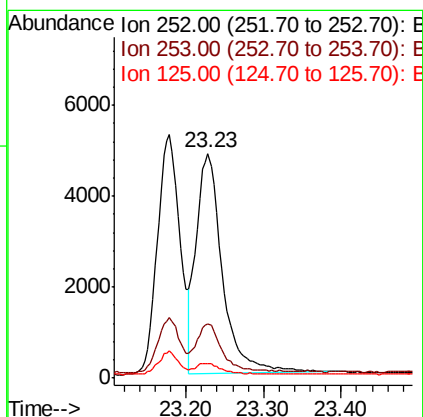
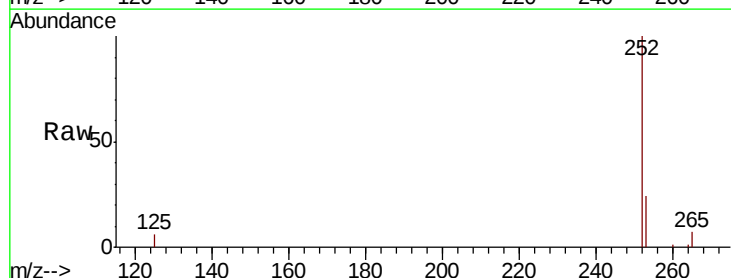
Instrument :
BNA_E
ClientSampleId :

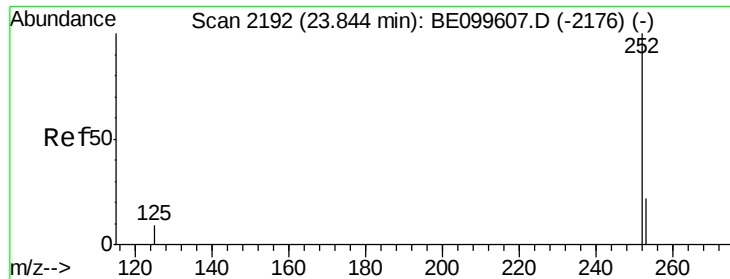
Tot Ion:252 Resp: 11190
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.4
125 6.4 4.5 6.7



#36
Benzo(k)fluoranthene
Concen: 0.204 ng
RT: 23.23 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BE099660.D
Acq: 20 May 2019 11:51

Tgt Ion:252 Resp: 11373
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 6.4 4.6 6.8





#37

Benzo(a)pyrene

Concen: 0.189 ng

RT: 23.84 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

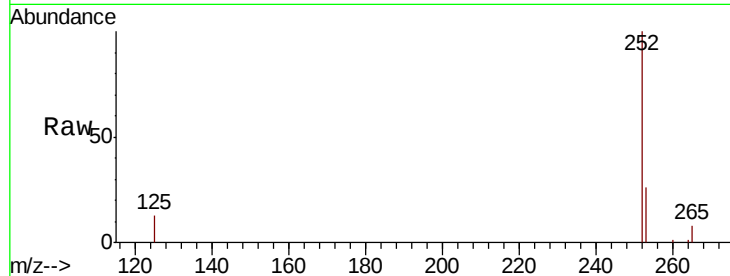
Tot Ion:252 Resp: 10338

Ion Ratio Lower Upper

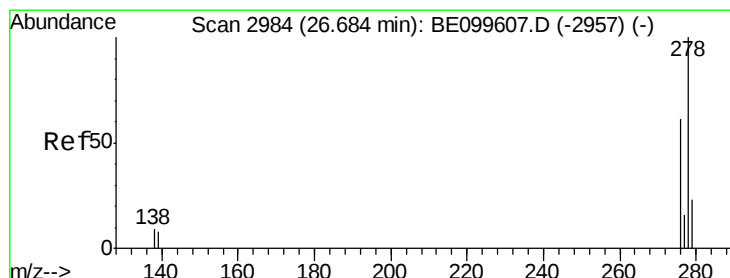
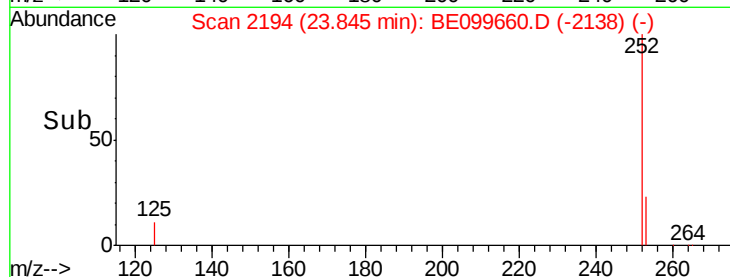
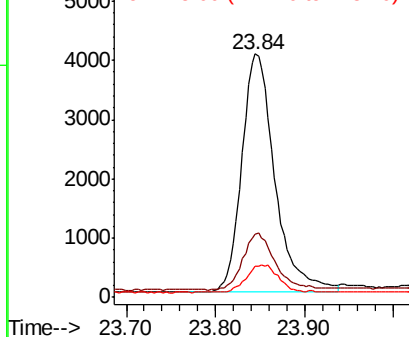
252 100

253 25.9 18.9 28.3

125 12.8 5.4 8.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.187 ng

RT: 26.69 min Scan# 2987

Delta R.T. 0.01 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

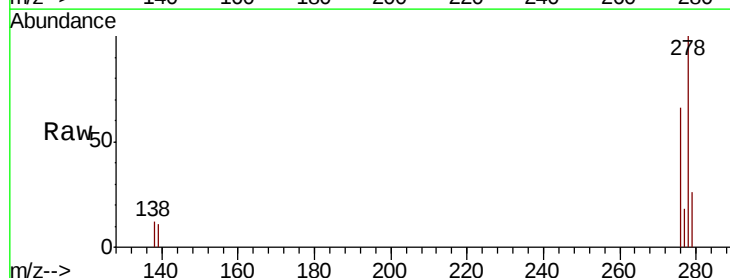
Tgt Ion:278 Resp: 10591

Ion Ratio Lower Upper

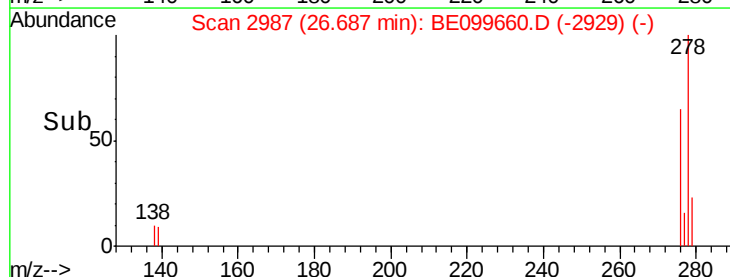
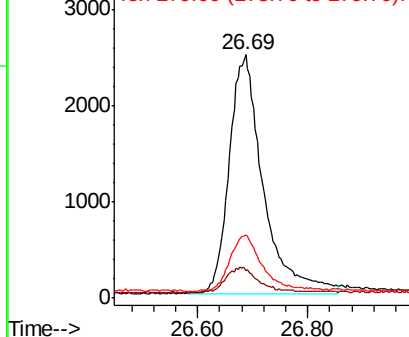
278 100

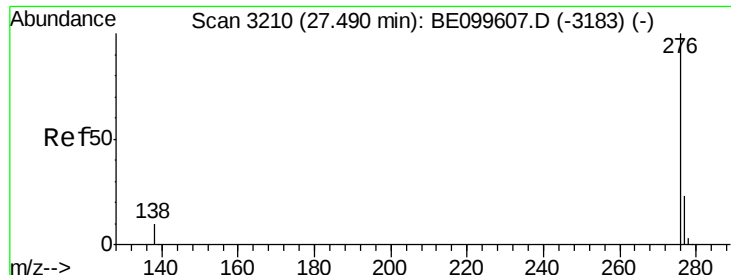
139 11.3 6.9 10.3#

279 26.2 19.2 28.8



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: 0.191 ng

RT: 27.48 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE099660.D

Acq: 20 May 2019 11:51

Instrument :

BNA_E

ClientSampleId :

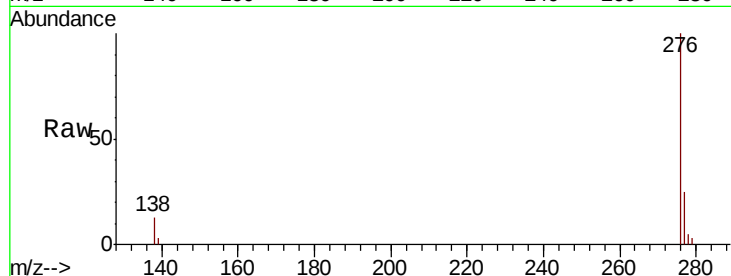
Tot Ion: 276 Resp: 10927

Ion Ratio Lower Upper

276 100

277 25.5 19.8 29.6

138 12.7 9.2 13.8



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

