

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
 Data File : BE099645.D
 Acq On : 17 May 2019 10:48
 Operator : JU/SJ
 Sample : PB119781BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 11:51:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2737	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	9166	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	5598	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	14540	0.40	ng	0.00
27) Chrysene-d12	21.41	240	17511	0.40	ng	0.00
34) Perylene-d12	23.96	264	23933	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	2280	0.29	ng	0.00
5) Phenol-d6	6.97	99	2919	0.30	ng	0.00
8) Nitrobenzene-d5	8.98	82	2551	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	6388	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	800	0.21	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	7011	0.33	ng	0.00
25) Fluoranthene-d10	19.26	212	52827	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	10884	0.35	ng	0.00

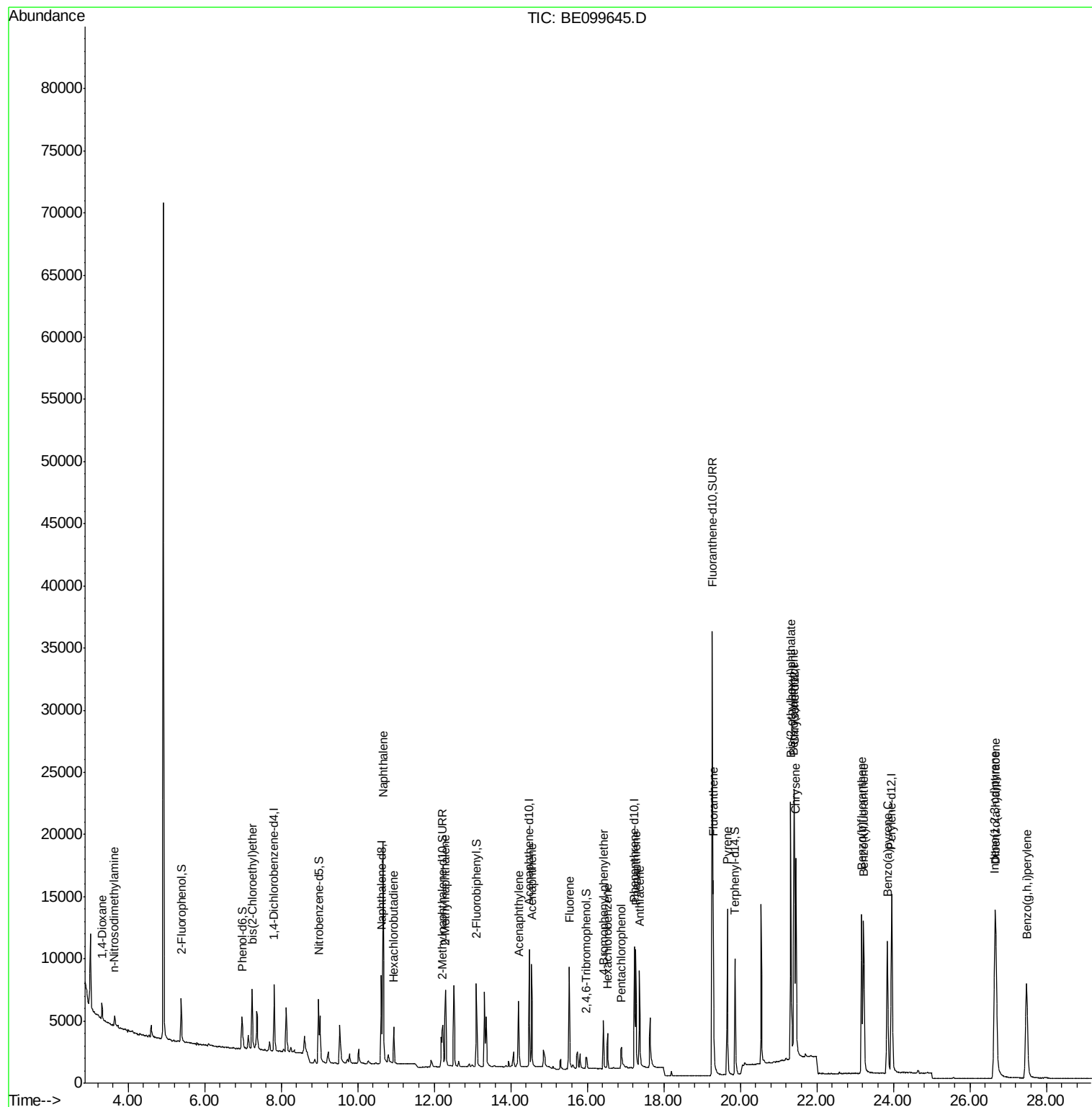
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	869	0.215	ng	# 64
3) n-Nitrosodimethylamine	3.63	42	626	0.243	ng	# 95
6) bis(2-Chloroethyl)ether	7.24	93	2366	0.286	ng	96
9) Naphthalene	10.67	128	29765	0.305	ng	99
10) Hexachlorobutadiene	10.94	225	2150	0.301	ng	100
12) 2-Methylnaphthalene	12.30	142	4743	0.294	ng	99
16) Acenaphthylene	14.21	152	7596	0.287	ng	99
17) Acenaphthene	14.54	154	4384	0.294	ng	99
18) Fluorene	15.53	166	6044	0.282	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	2474	0.295	ng	98
21) Hexachlorobenzene	16.53	284	2552	0.310	ng	99
22) Pentachlorophenol	16.89	266	1737	0.637	ng	96
23) Phenanthrene	17.27	178	10247	0.284	ng	99
24) Anthracene	17.36	178	9248	0.278	ng	99
26) Fluoranthene	19.29	202	14342	0.263	ng	99
28) Pyrene	19.66	202	14789	0.331	ng	99
30) Benzo(a)anthracene	21.40	228	16734	0.316	ng	99
31) Chrysene	21.45	228	17521	0.321	ng	96
32) Bis(2-ethylhexyl)phthalate	21.32	149	21836	0.268	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	25515	0.376	ng	99
35) Benzo(b)fluoranthene	23.17	252	18943	0.283	ng	# 97
36) Benzo(k)fluoranthene	23.22	252	20108	0.304	ng	99
37) Benzo(a)pyrene	23.84	252	19576	0.302	ng	# 96
38) Dibenzo(a,h)anthracene	26.68	278	21164	0.315	ng	99
39) Benzo(g,h,i)perylene	27.48	276	21877	0.324	ng	99

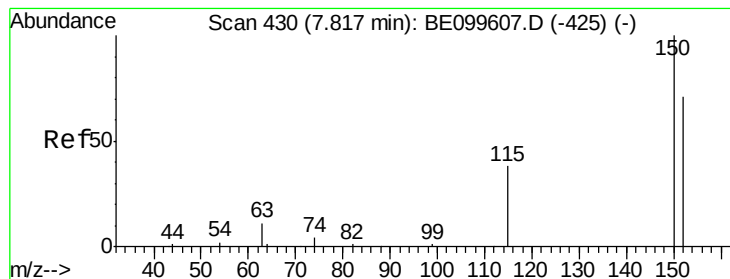
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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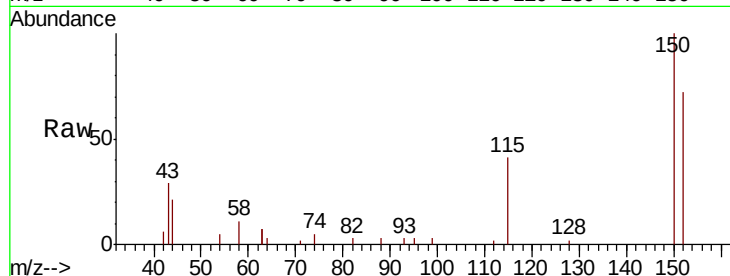


#1

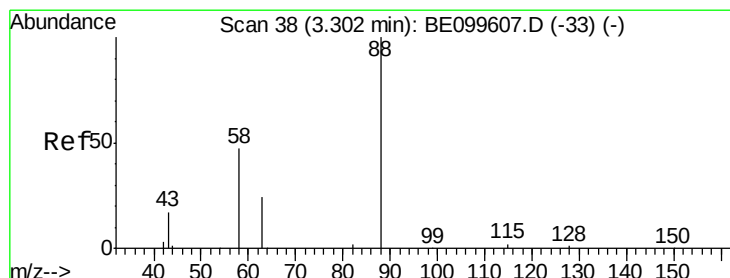
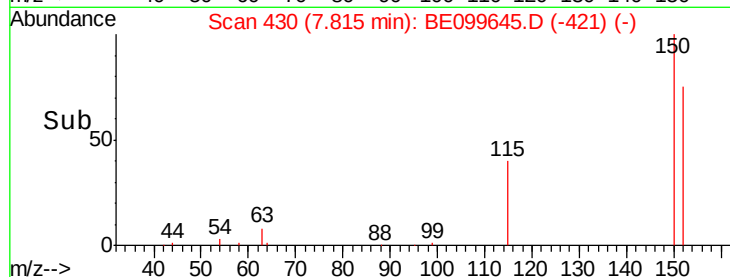
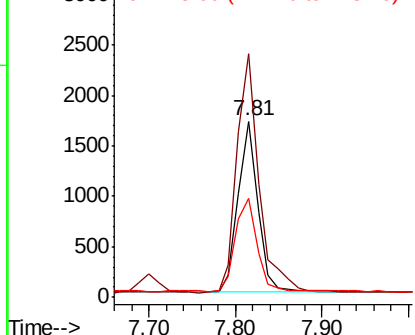
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099645.D
Acq: 17 May 2019 10:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2737
Ion Ratio Lower Upper
152 100
150 138.2 110.1 165.1
115 56.0 46.2 69.4



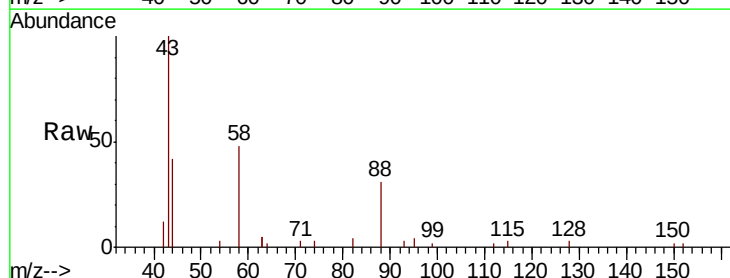
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



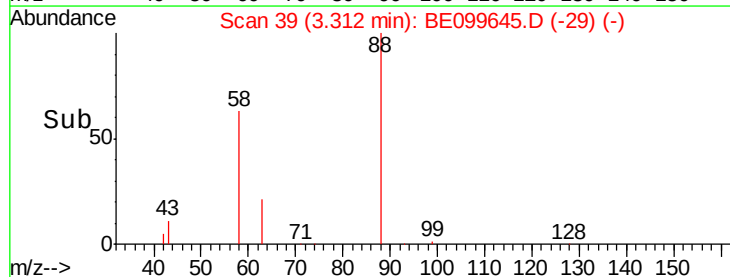
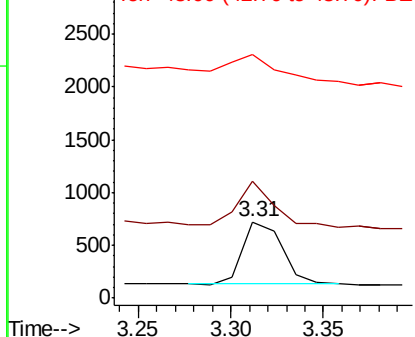
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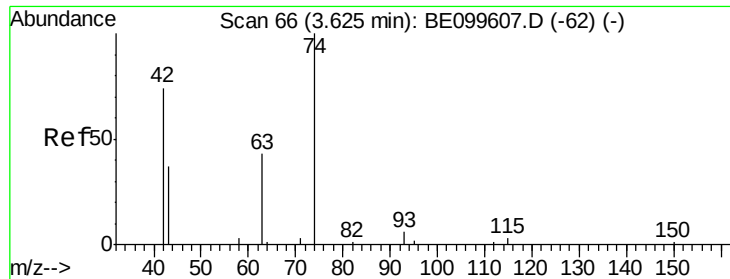
1,4-Dioxane
Concen: 0.215 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.01 min
Lab File: BE099645.D
Acq: 17 May 2019 10:48

Tgt Ion: 88 Resp: 869
Ion Ratio Lower Upper
88 100
58 71.2 39.8 59.6#
43 49.6 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



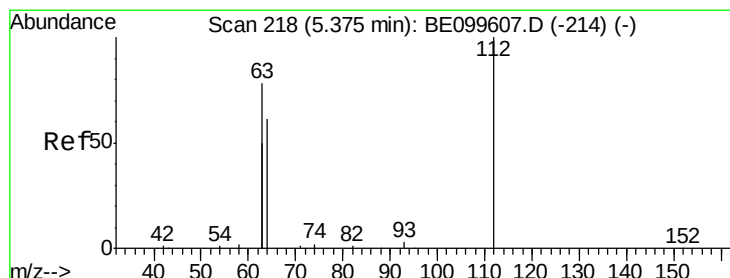
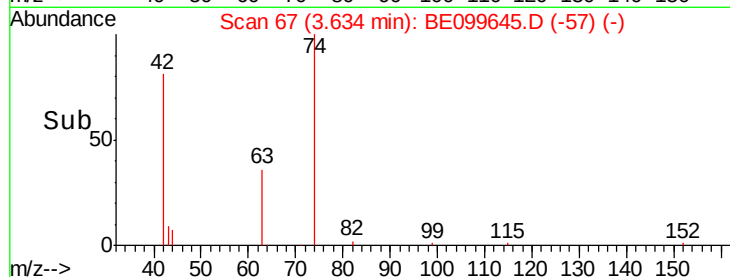
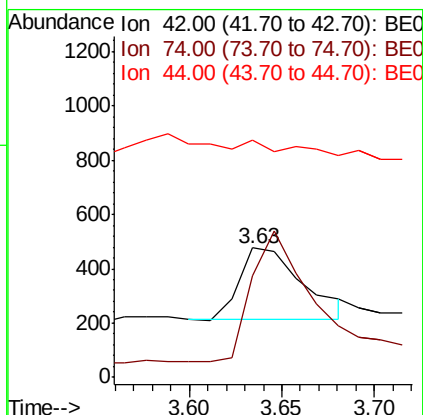
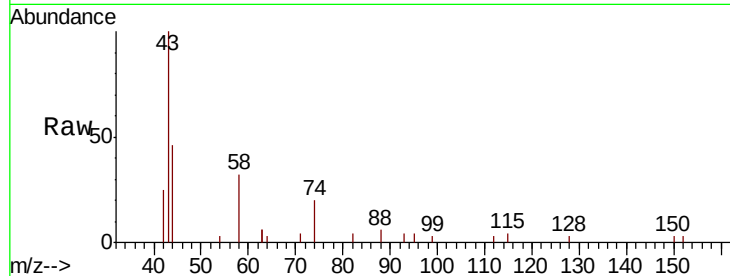


#3

n-Nitrosodimethylamine
 Concen: 0.243 ng
 RT: 3.63 min Scan# 67
 Delta R.T. 0.01 min
 Lab File: BE099645.D
 Acq: 17 May 2019 10:48

Instrument :
 BNA_E
 ClientSampled :

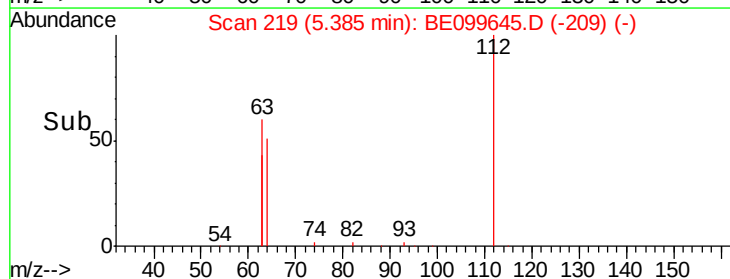
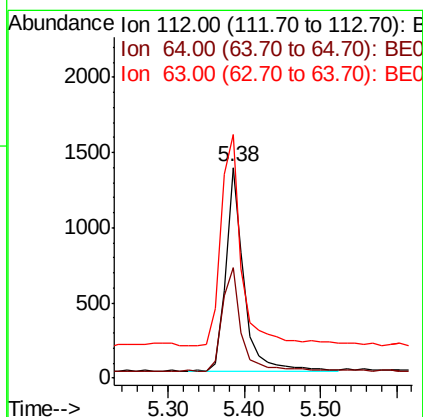
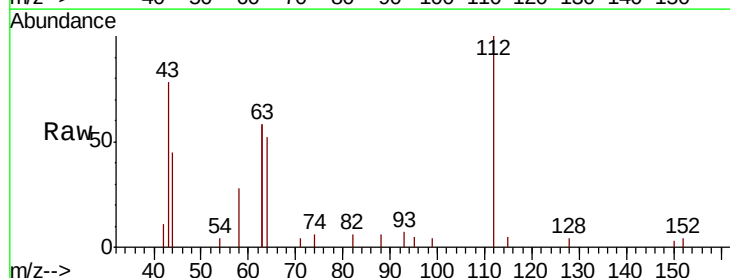
Tot Ion: 42 Resp: 626
 Ion Ratio Lower Upper
 42 100
 74 165.5 134.7 202.1
 44 0.0 12.5 18.7#

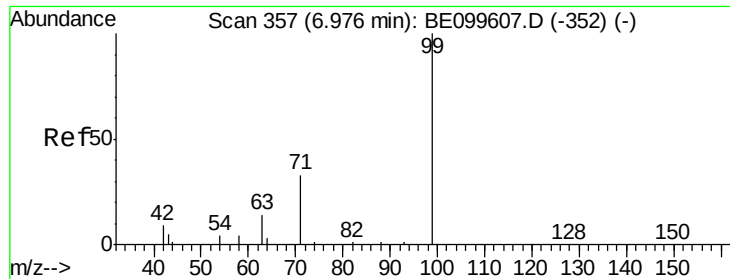


#4

2-Fluorophenol
 Concen: 0.293 ng
 RT: 5.38 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: BE099645.D
 Acq: 17 May 2019 10:48

Tgt Ion: 112 Resp: 2280
 Ion Ratio Lower Upper
 112 100
 64 53.9 43.7 65.5
 63 121.5 94.0 141.0





#5

Phenol-d6

Concen: 0.296 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

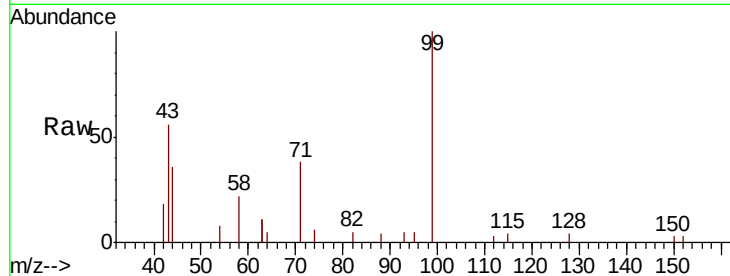
Tot Ion: 99 Resp: 2919

Ion Ratio Lower Upper

99 100

42 16.1 14.3 21.5

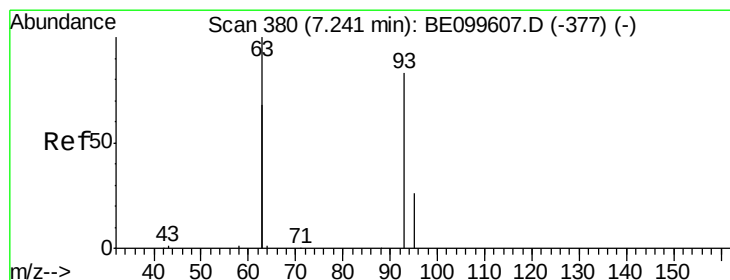
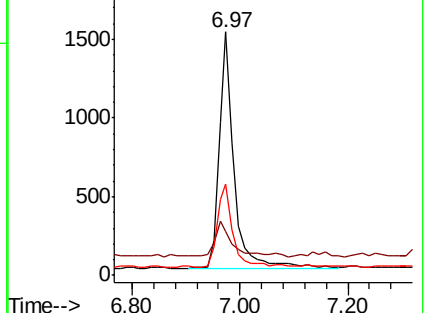
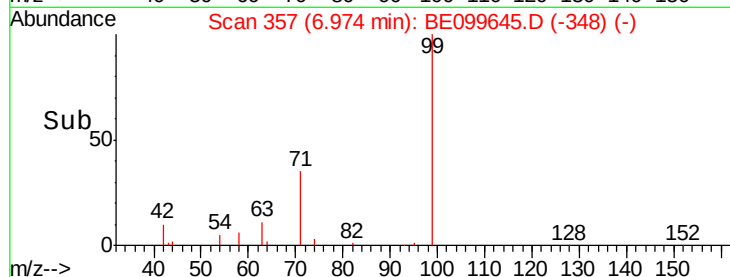
71 35.9 33.1 49.7



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: 0.286 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

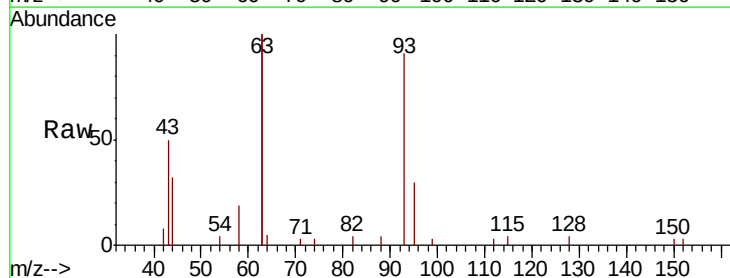
Tgt Ion: 93 Resp: 2366

Ion Ratio Lower Upper

93 100

63 259.7 201.0 301.4

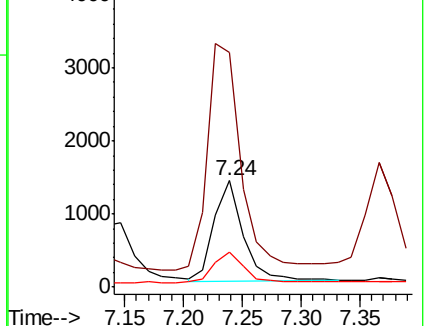
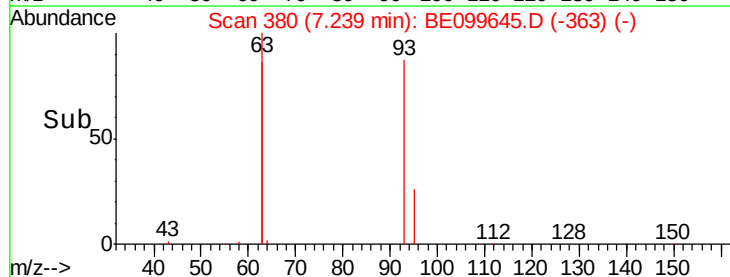
95 31.6 25.0 37.4

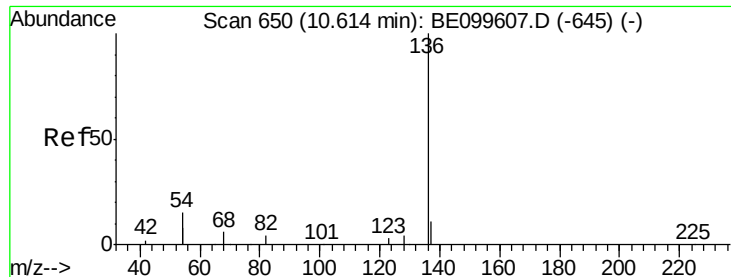


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 9166

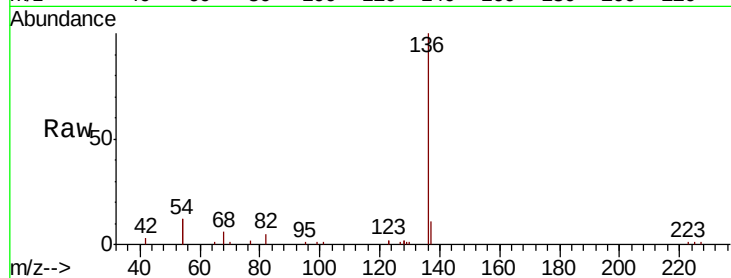
Ion Ratio Lower Upper

136 100

137 11.5 9.7 14.5

54 24.4 23.8 35.8

68 6.4 6.2 9.2

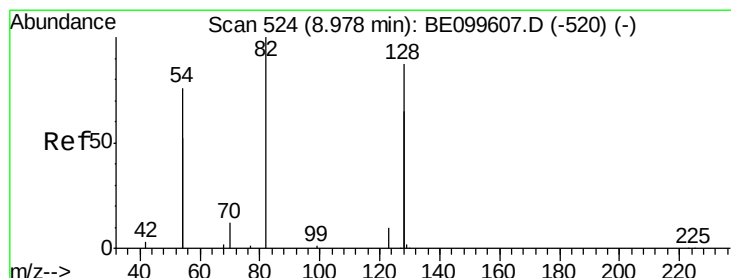
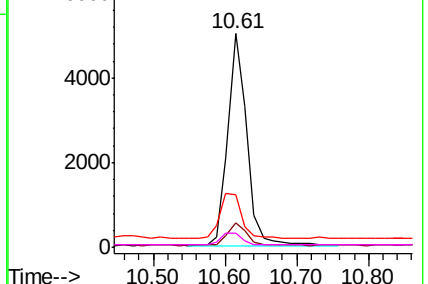
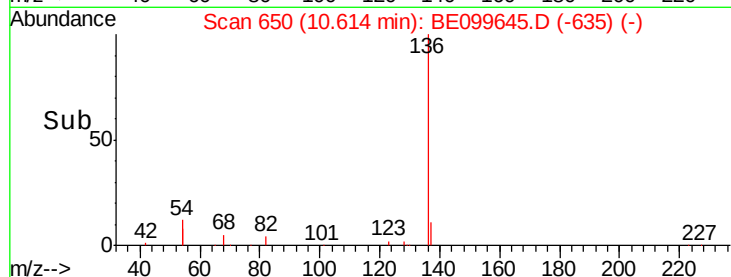


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.287 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

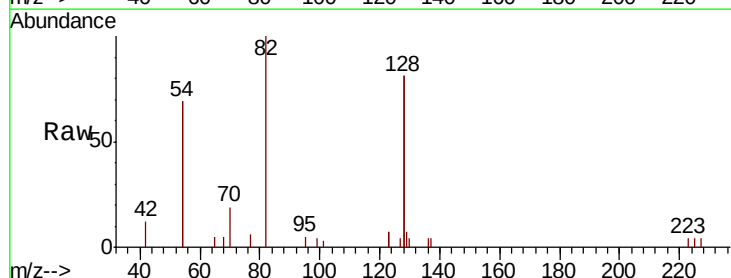
Tgt Ion: 82 Resp: 2551

Ion Ratio Lower Upper

82 100

128 162.2 131.4 197.2

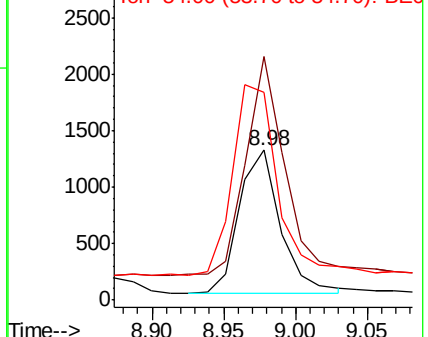
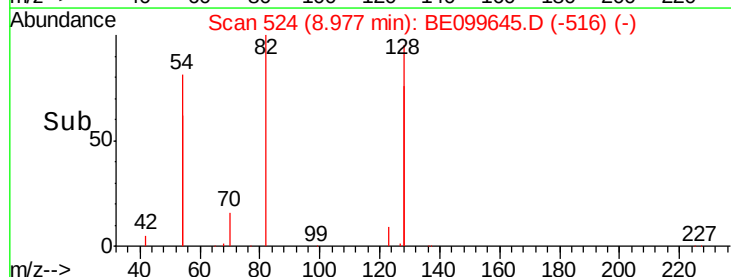
54 138.0 113.9 170.9

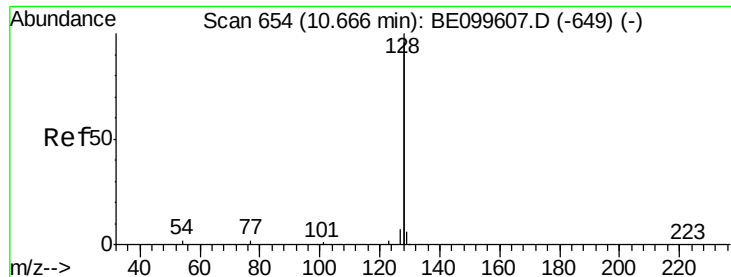


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.305 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

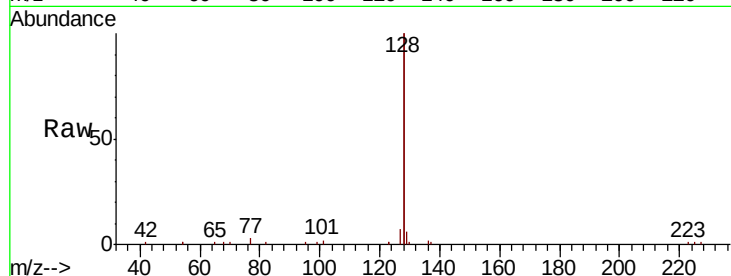
Tot Ion:128 Resp: 29765

Ion Ratio Lower Upper

128 100

129 2.8 2.6 4.0

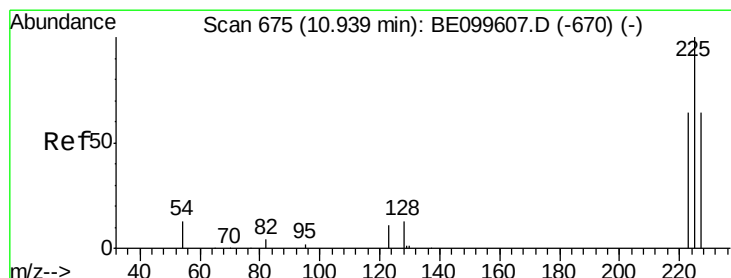
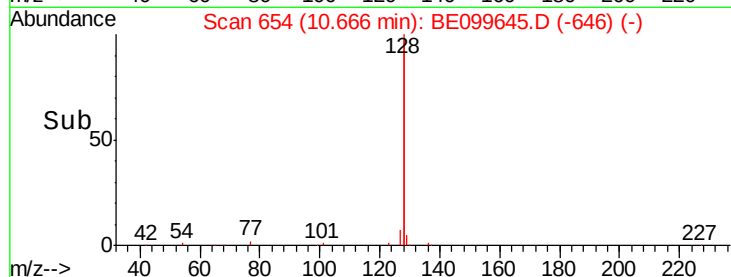
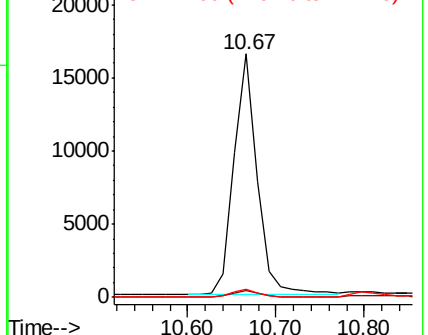
127 3.5 3.0 4.6



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: 0.301 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

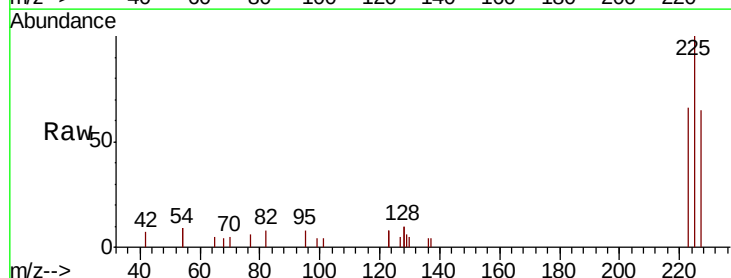
Tgt Ion:225 Resp: 2150

Ion Ratio Lower Upper

225 100

223 62.0 49.8 74.8

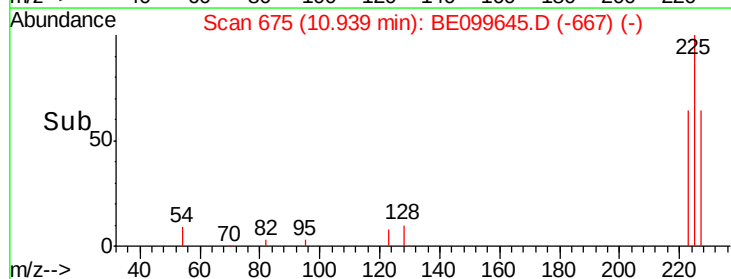
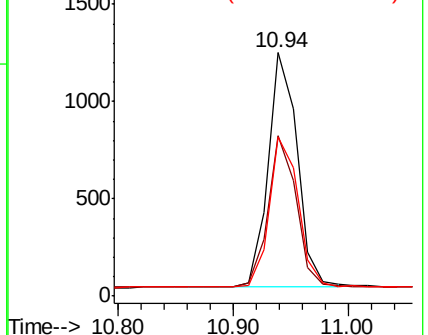
227 63.6 51.2 76.8

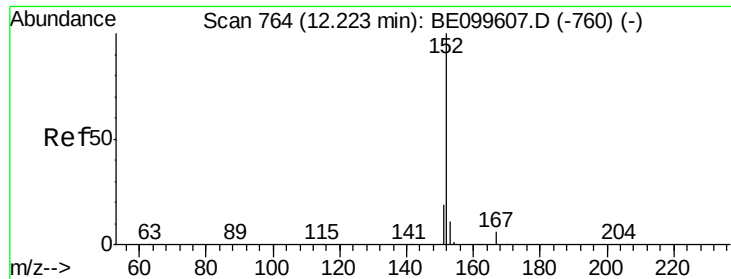


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

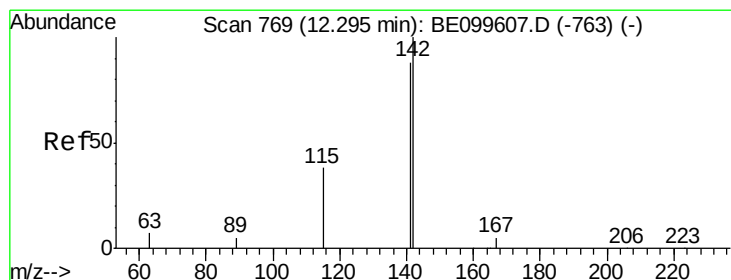
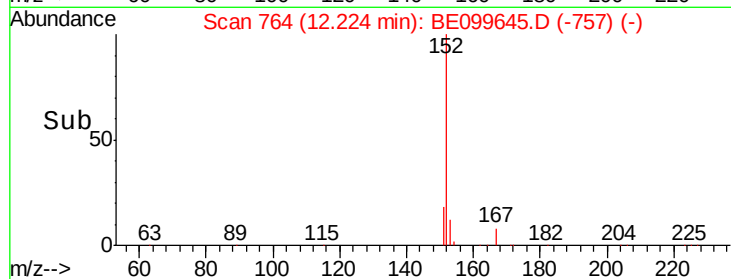
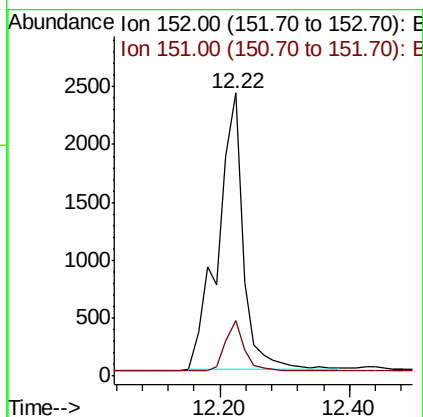
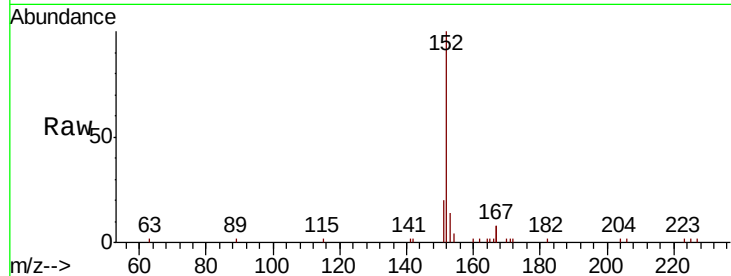




#11
 2-Methylnaphthalene-d10
 Concen: 0.414 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099645.D
 Acq: 17 May 2019 10:48

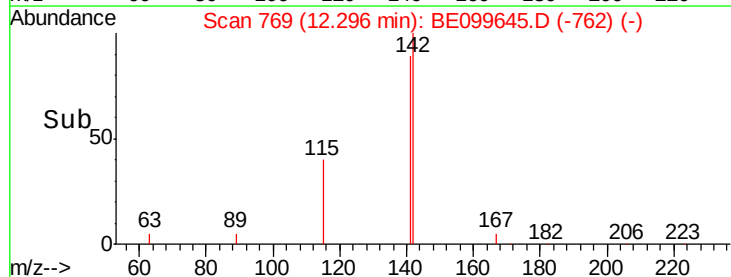
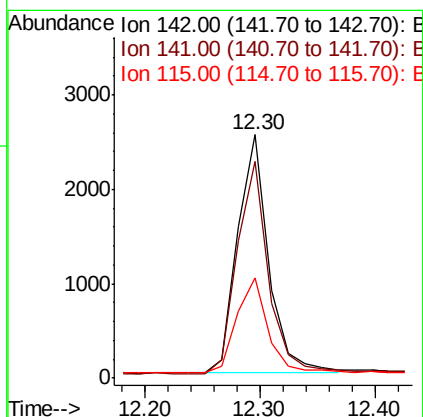
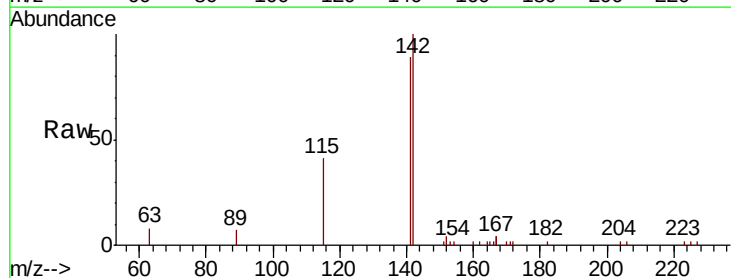
Instrument :
 BNA_E
 ClientSampleId :

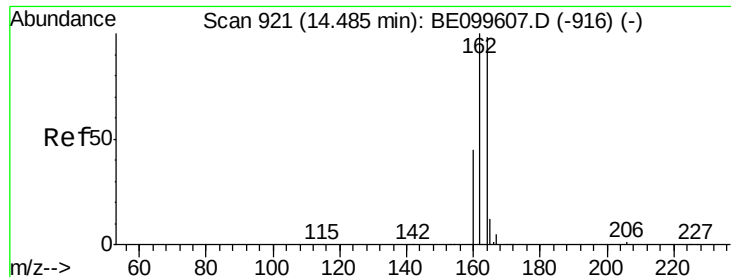
Tot Ion:152 Resp: 6388
 Ion Ratio Lower Upper
 152 100
 151 13.5 15.3 22.9#



#12
 2-Methylnaphthalene
 Concen: 0.294 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099645.D
 Acq: 17 May 2019 10:48

Tgt Ion:142 Resp: 4743
 Ion Ratio Lower Upper
 142 100
 141 88.8 70.4 105.6
 115 41.1 32.2 48.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

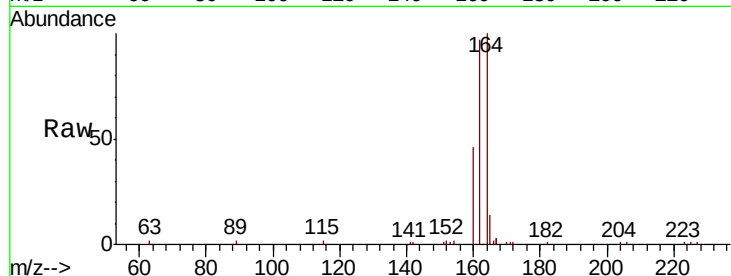
Tot Ion:164 Resp: 5598

Ion Ratio Lower Upper

164 100

162 97.0 81.4 122.0

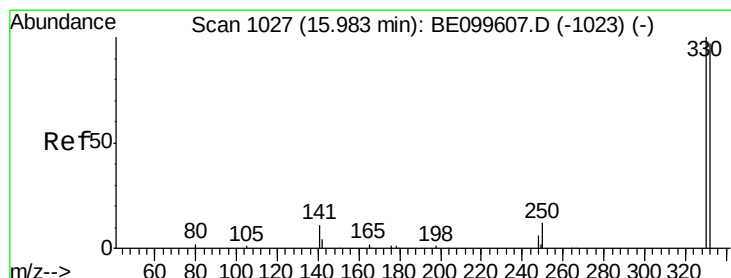
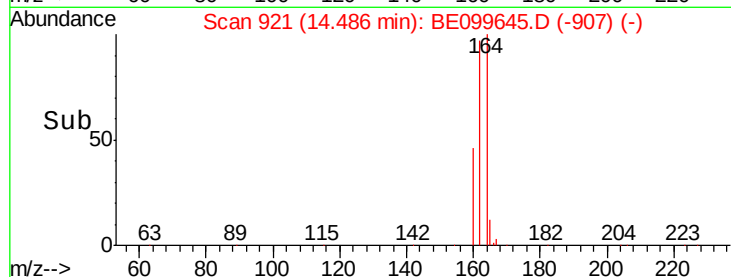
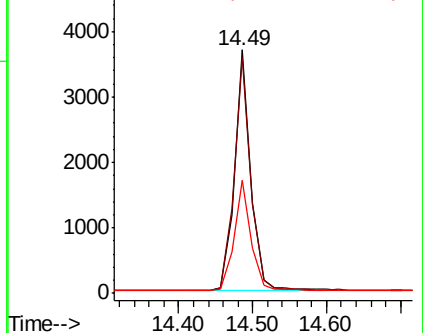
160 46.3 37.4 56.2



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: 0.209 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

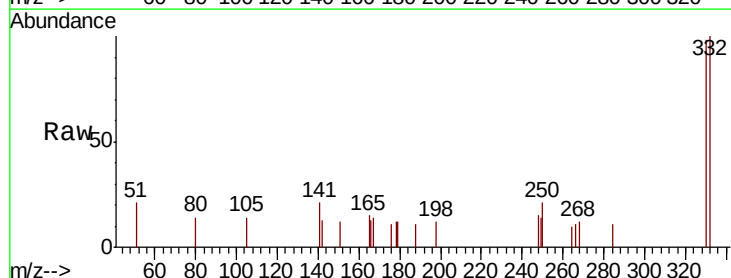
Tgt Ion:330 Resp: 800

Ion Ratio Lower Upper

330 100

332 93.1 73.8 110.8

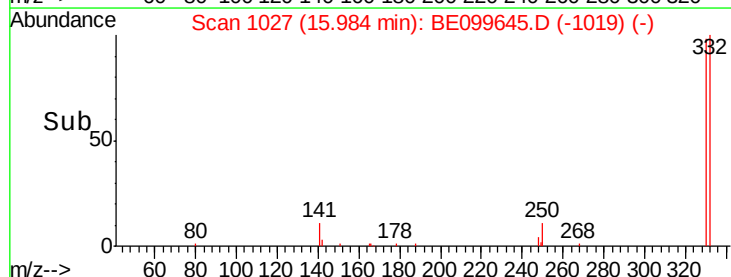
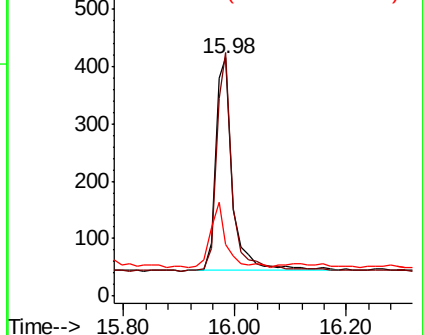
141 27.8 21.0 31.6

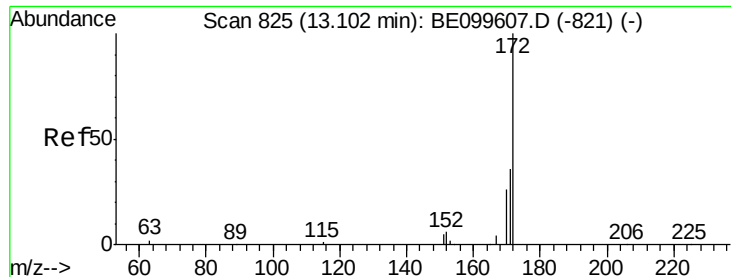


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

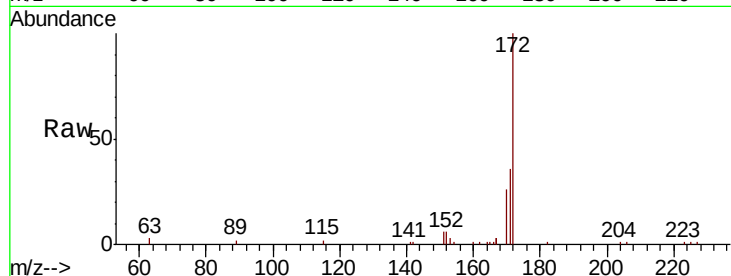




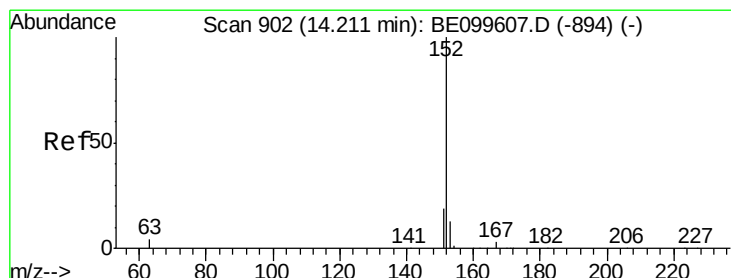
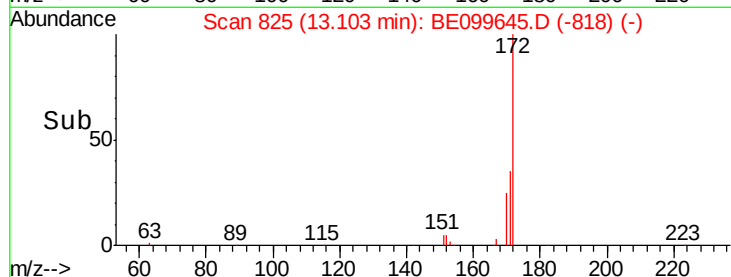
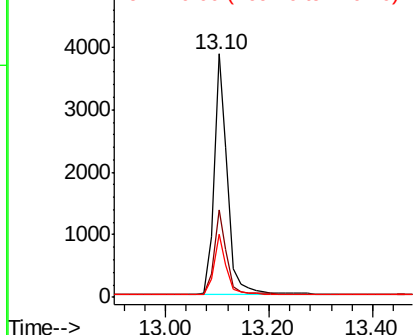
#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099645.D
Acq: 17 May 2019 10:48

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 7011
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.2
170 26.0 21.5 32.3

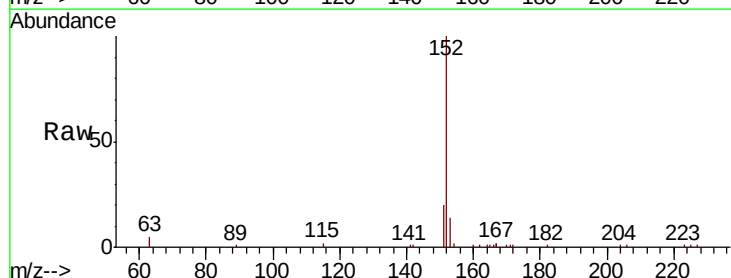


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

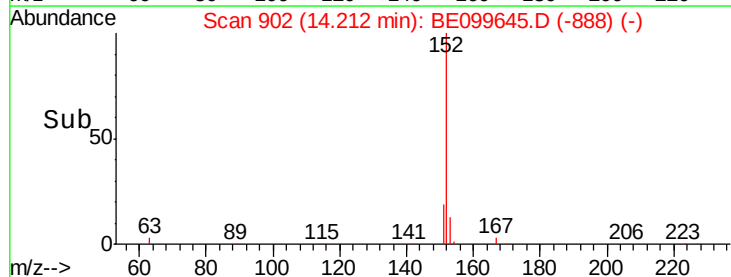
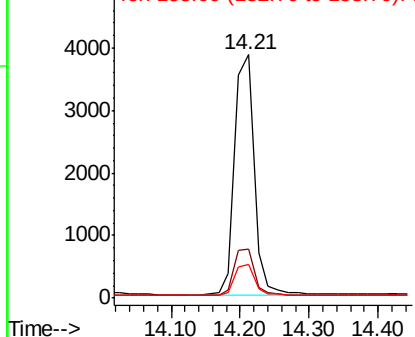


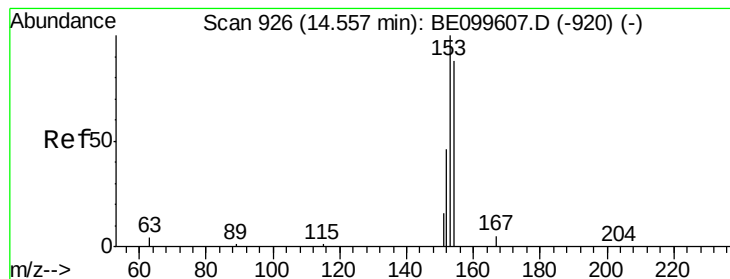
#16
Acenaphthylene
Concen: 0.287 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099645.D
Acq: 17 May 2019 10:48

Tgt Ion:152 Resp: 7596
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 13.1 10.4 15.6



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: 0.294 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

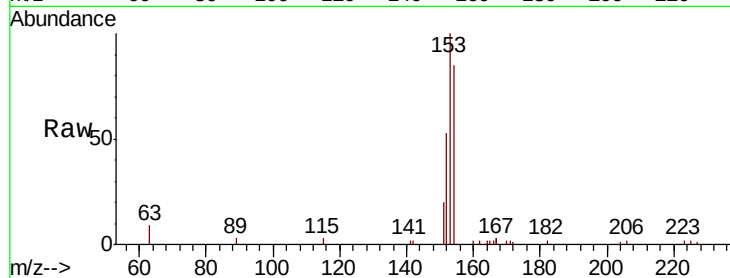
Tot Ion:154 Resp: 4384

Ion Ratio Lower Upper

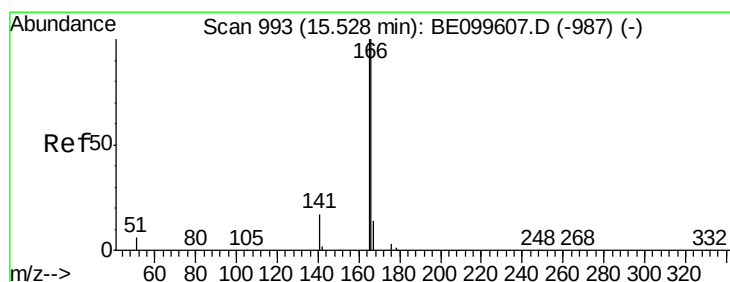
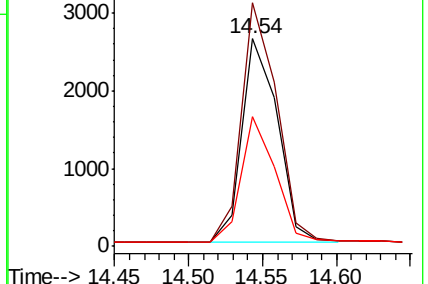
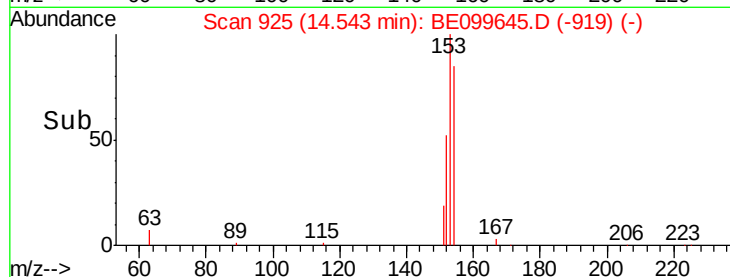
154 100

153 117.8 94.1 141.1

152 59.7 46.5 69.7



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: 0.282 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

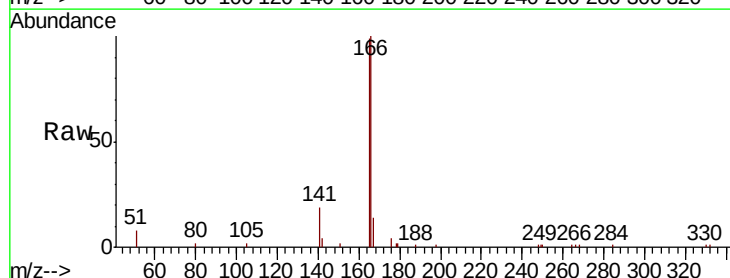
Tgt Ion:166 Resp: 6044

Ion Ratio Lower Upper

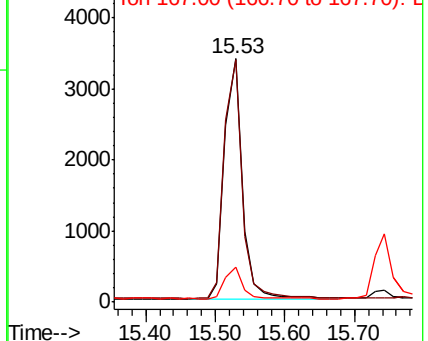
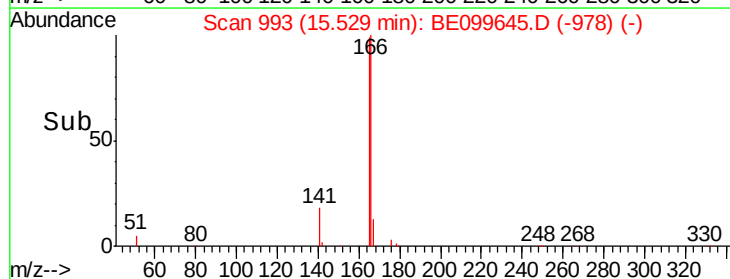
166 100

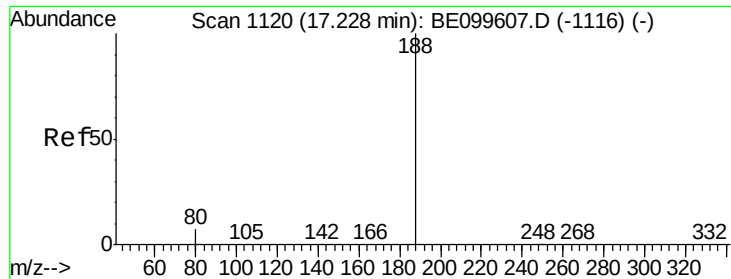
165 99.6 79.8 119.8

167 13.1 11.2 16.8



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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

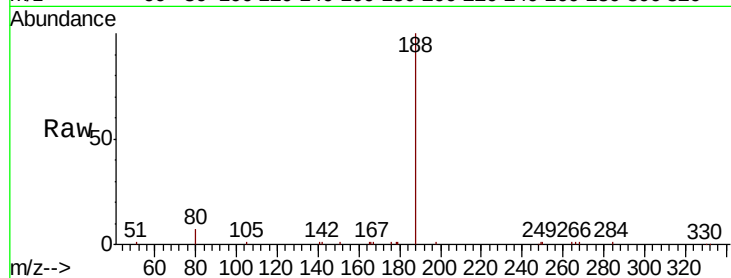
Tot Ion:188 Resp: 14540

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

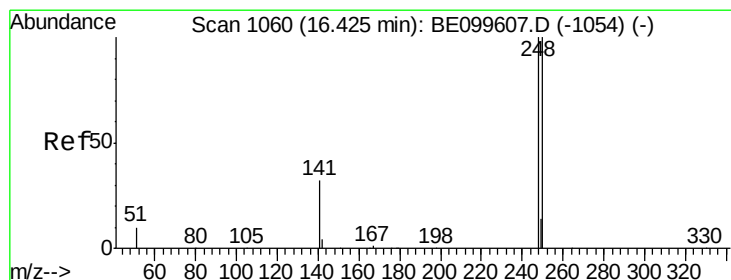
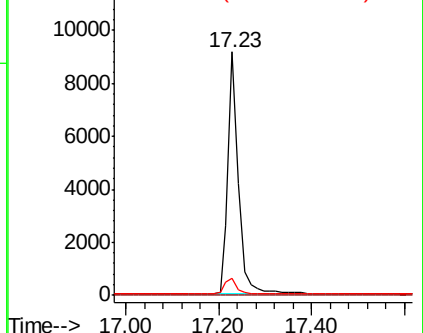
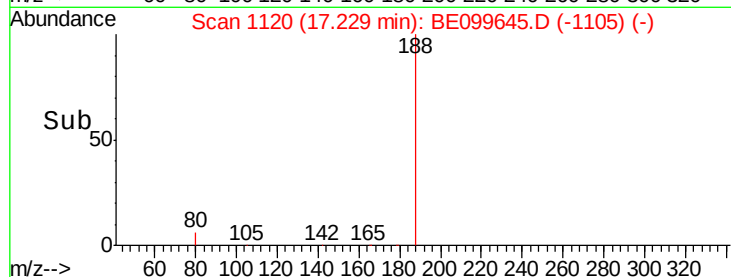
80 7.0 6.4 9.6



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: 0.295 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

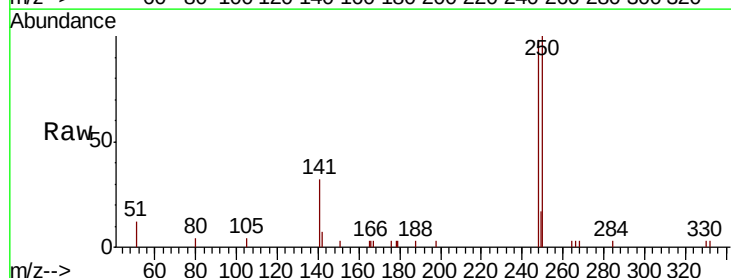
Tgt Ion:248 Resp: 2474

Ion Ratio Lower Upper

248 100

250 102.3 80.4 120.6

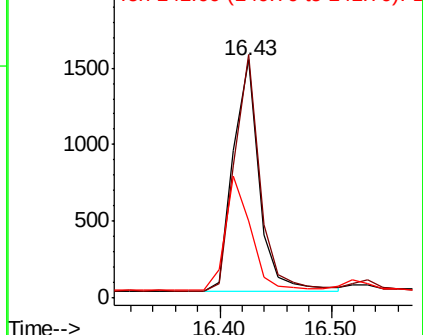
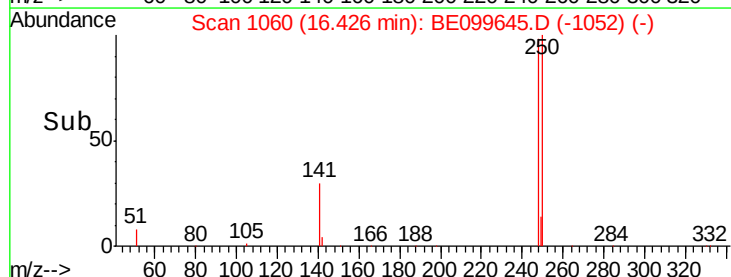
141 32.7 27.8 41.8

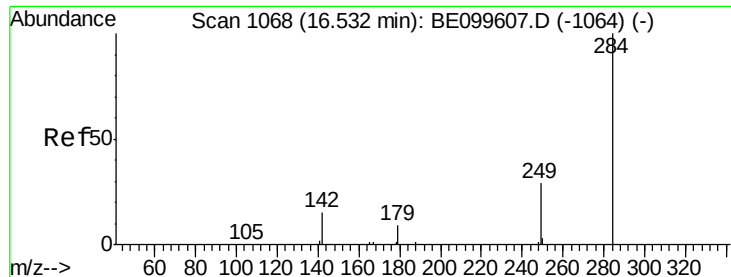


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.310 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampled :

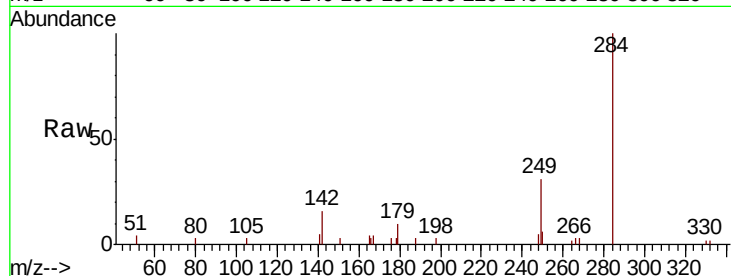
Tot Ion:284 Resp: 2552

Ion Ratio Lower Upper

284 100

142 24.4 19.4 29.2

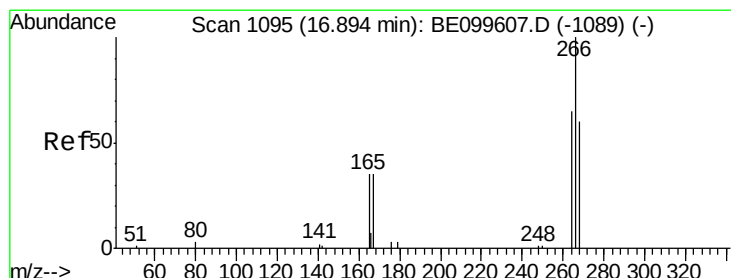
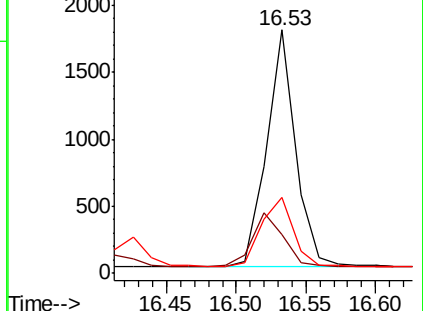
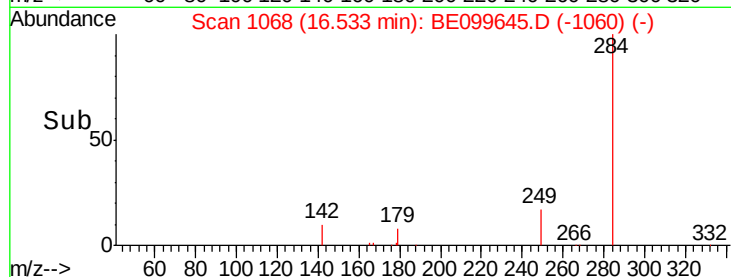
249 31.7 24.6 37.0



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: 0.637 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

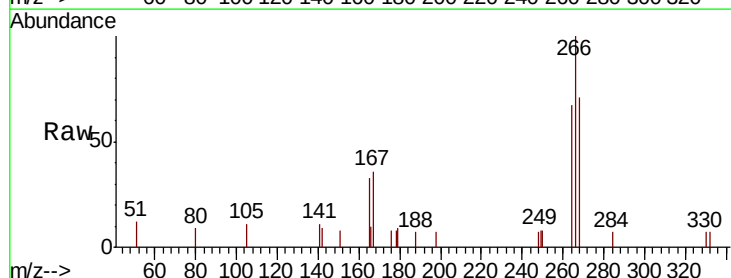
Tgt Ion:266 Resp: 1737

Ion Ratio Lower Upper

266 100

264 66.6 57.7 86.5

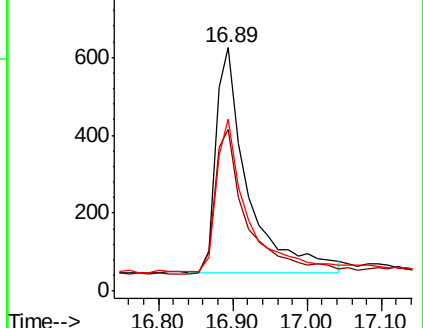
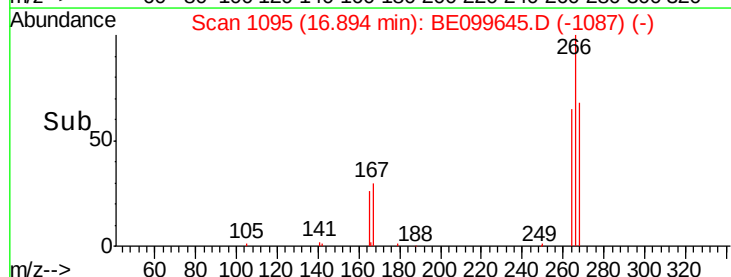
268 70.7 55.8 83.8

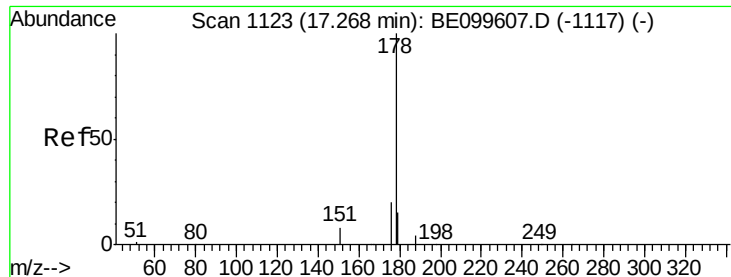


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.284 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

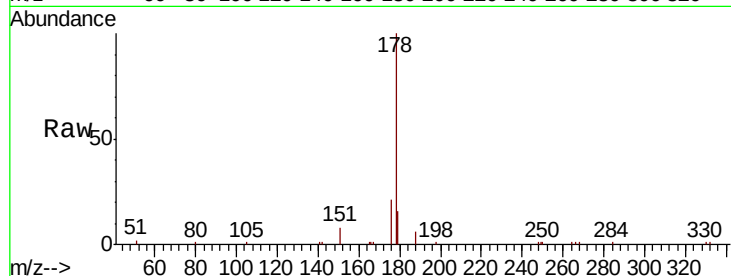
Tot Ion:178 Resp: 10247

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

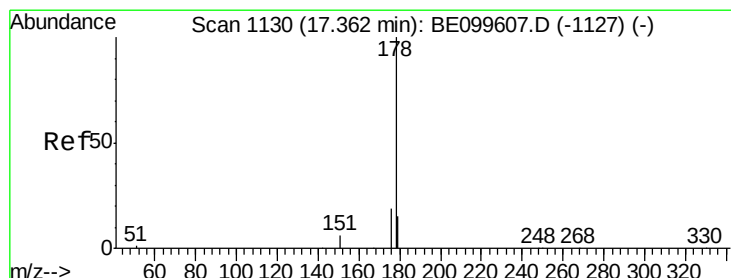
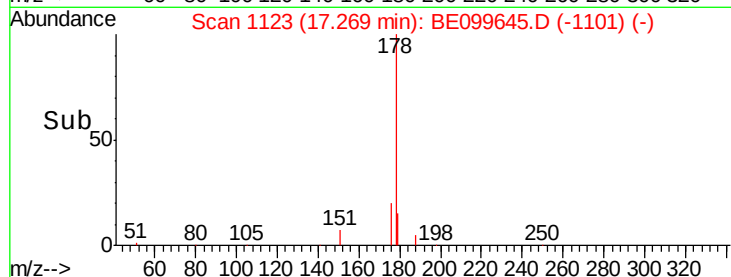
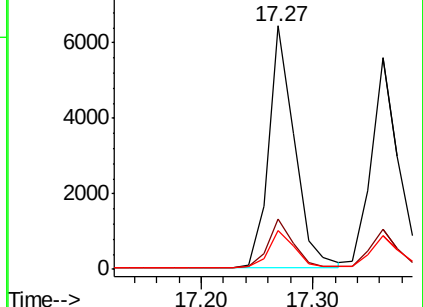
179 15.5 12.2 18.2



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: 0.278 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

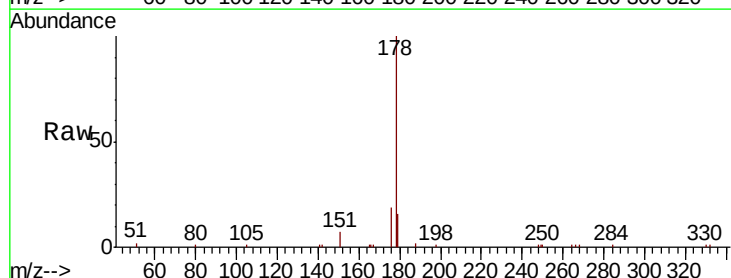
Tgt Ion:178 Resp: 9248

Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

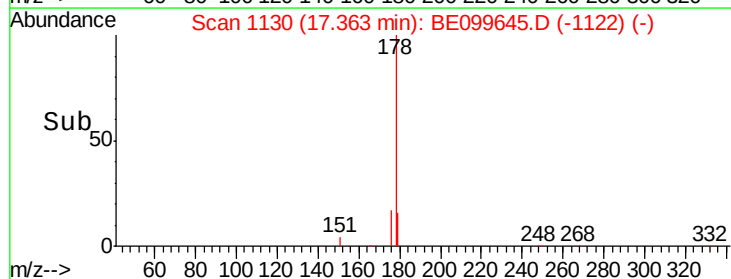
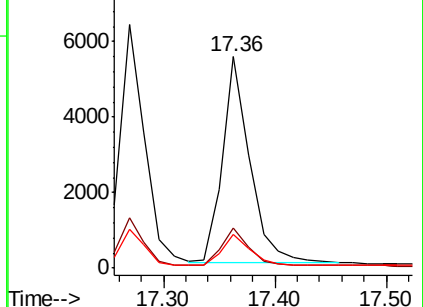
179 15.6 12.1 18.1

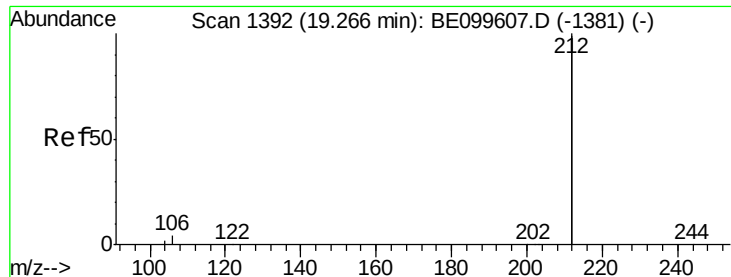


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.273 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

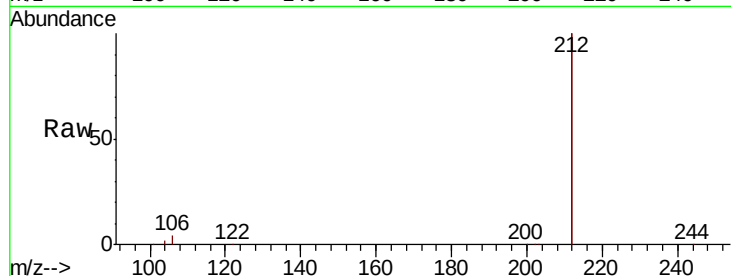
Tot Ion:212 Resp: 52827

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

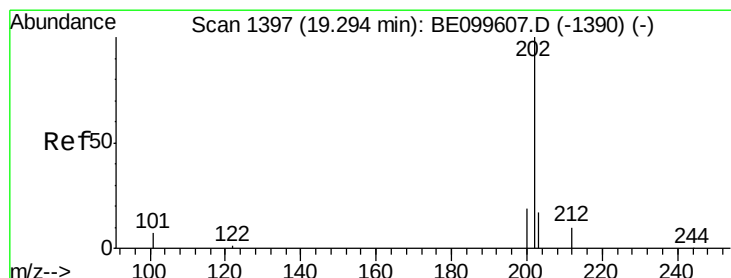
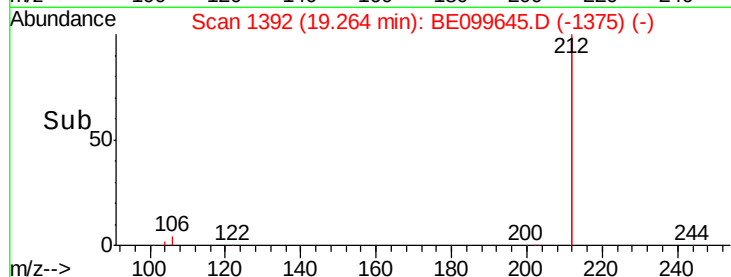
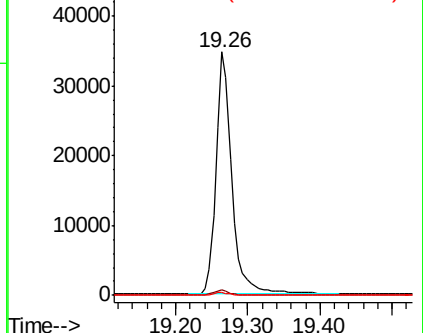
104 1.1 0.9 1.3



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: 0.263 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

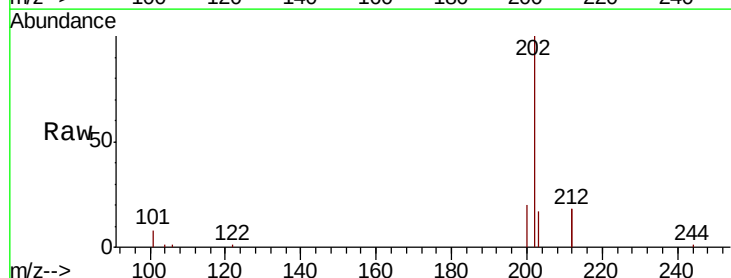
Tgt Ion:202 Resp: 14342

Ion Ratio Lower Upper

202 100

101 6.7 5.0 7.6

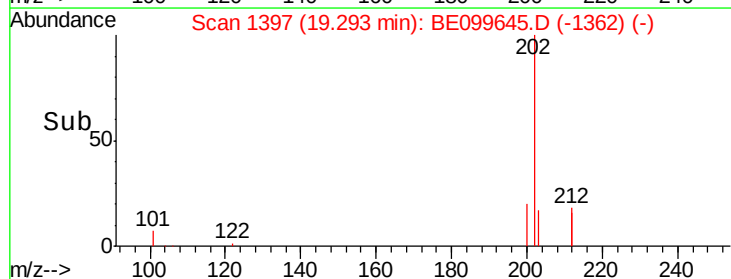
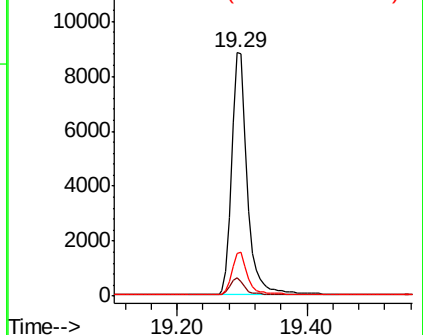
203 17.8 13.7 20.5

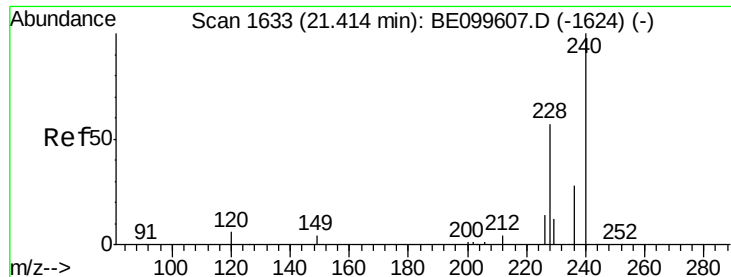


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

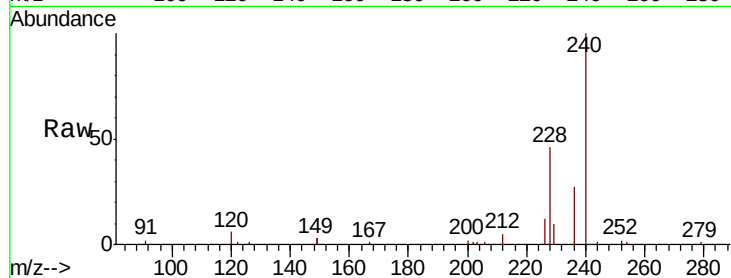
Tot Ion:240 Resp: 17511

Ion Ratio Lower Upper

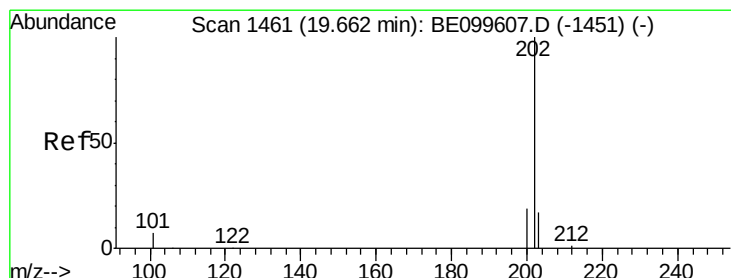
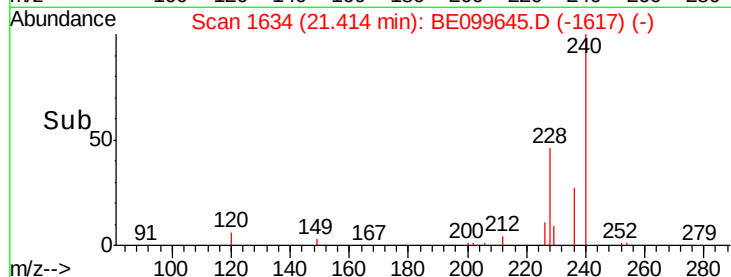
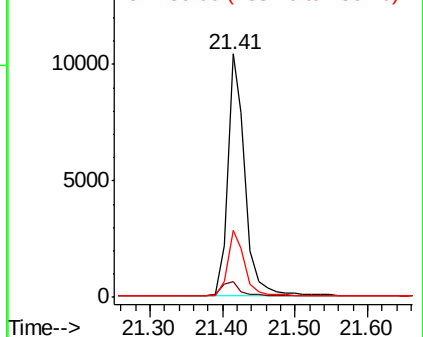
240 100

120 6.5 5.7 8.5

236 27.4 22.8 34.2



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: 0.331 ng

RT: 19.66 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

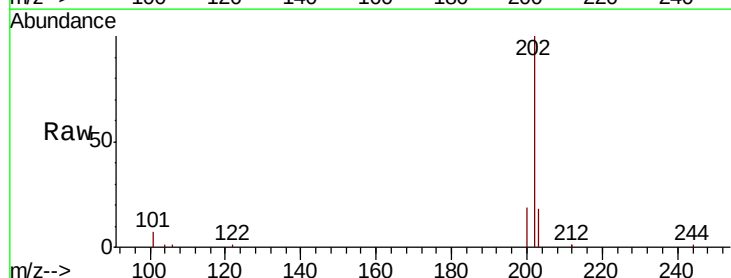
Tgt Ion:202 Resp: 14789

Ion Ratio Lower Upper

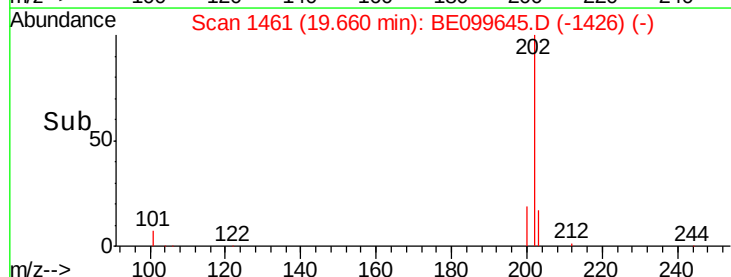
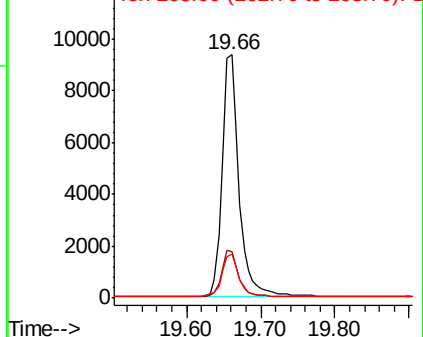
202 100

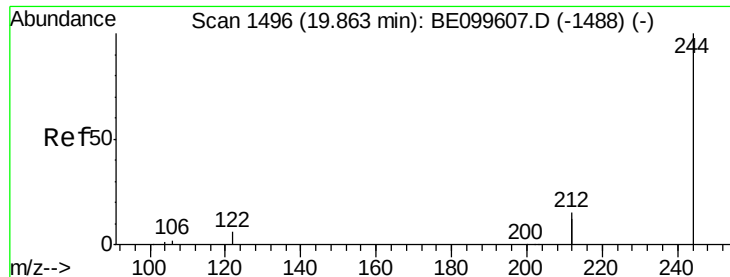
200 19.3 15.8 23.6

203 17.5 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: 0.345 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

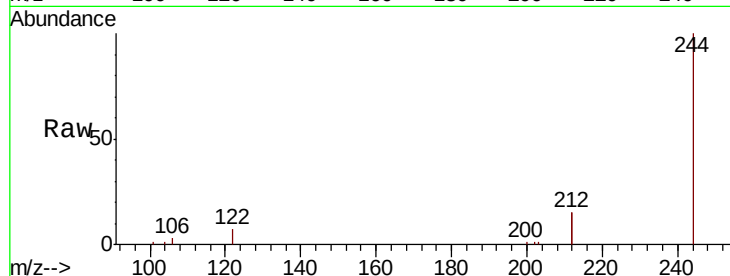
Tot Ion:244 Resp: 10884

Ion Ratio Lower Upper

244 100

212 30.2 23.8 35.6

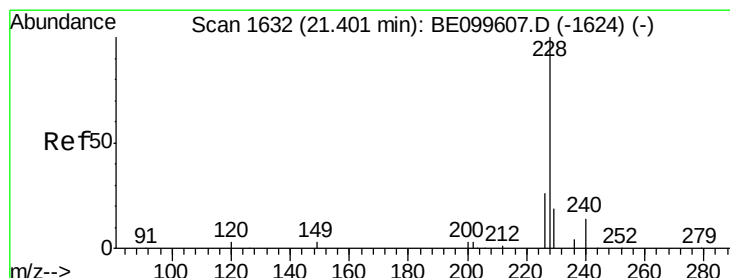
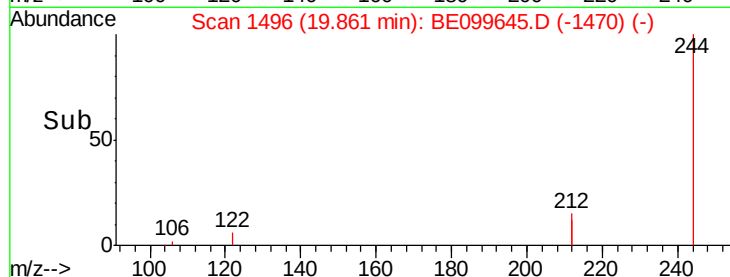
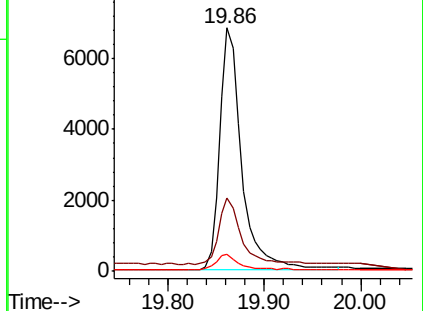
122 7.1 5.0 7.6



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: 0.316 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

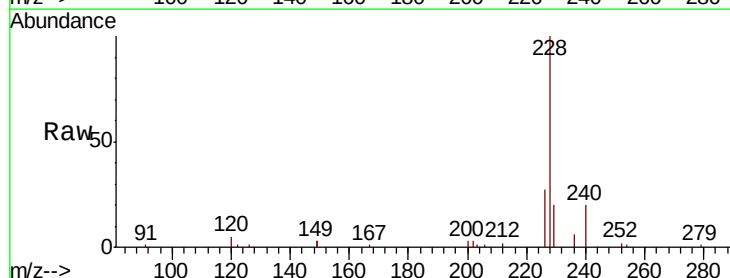
Tgt Ion:228 Resp: 16734

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.2

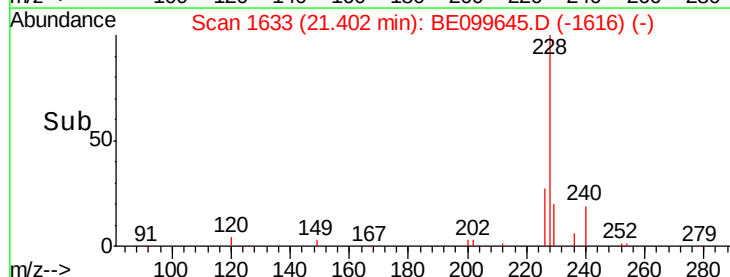
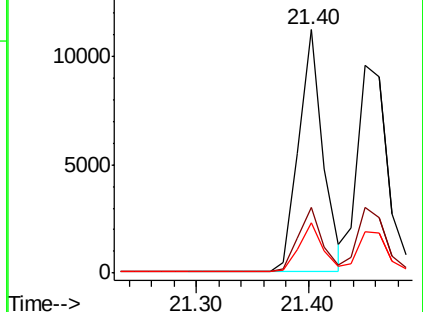
229 20.4 15.8 23.8

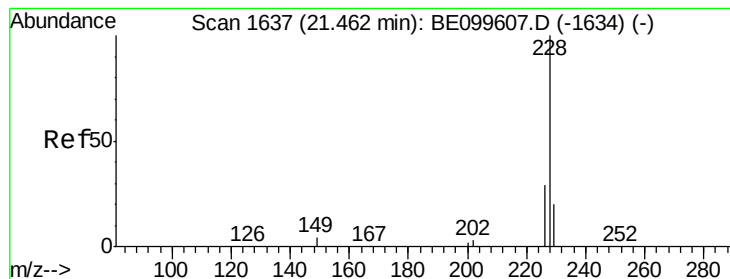


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.321 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampled :

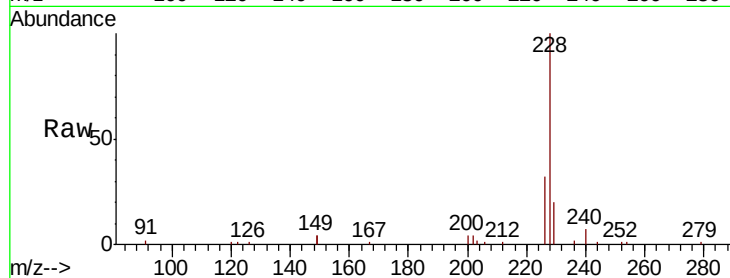
Tot Ion:228 Resp: 17521

Ion Ratio Lower Upper

228 100

226 31.6 23.0 34.4

229 19.8 16.4 24.6



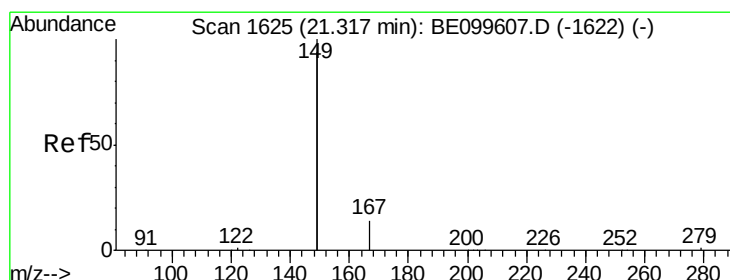
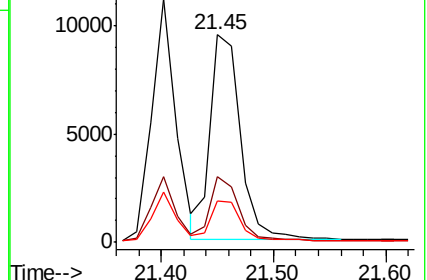
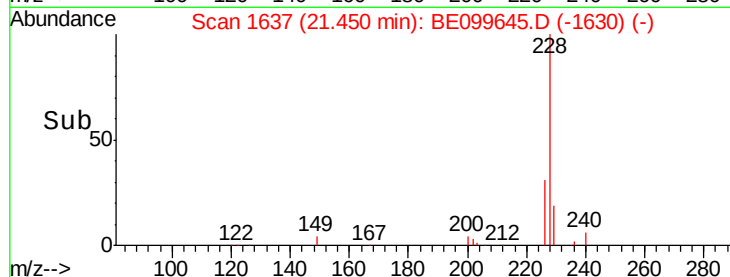
Abundance

Ion 228.00 (227.70 to 228.70): E

15000

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.268 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

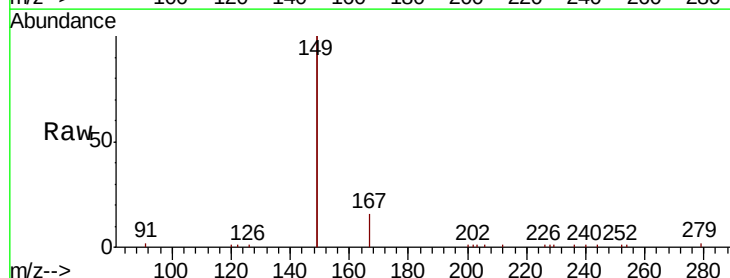
Tgt Ion:149 Resp: 21836

Ion Ratio Lower Upper

149 100

167 7.6 6.0 9.0

279 1.4 1.1 1.7



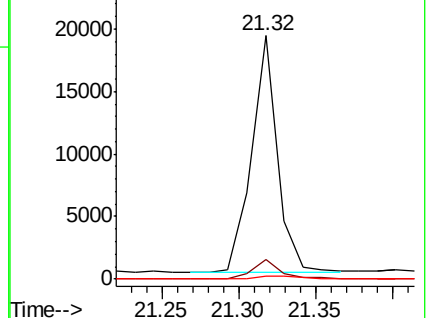
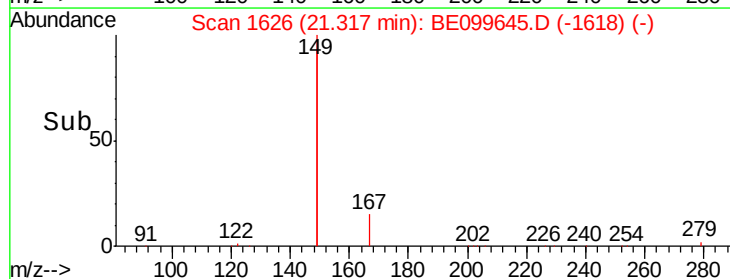
Abundance

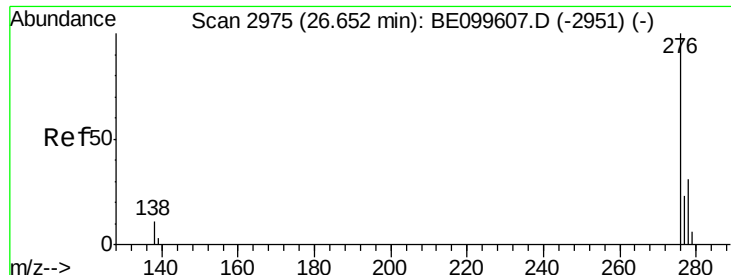
Ion 149.00 (148.70 to 149.70): E

25000

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

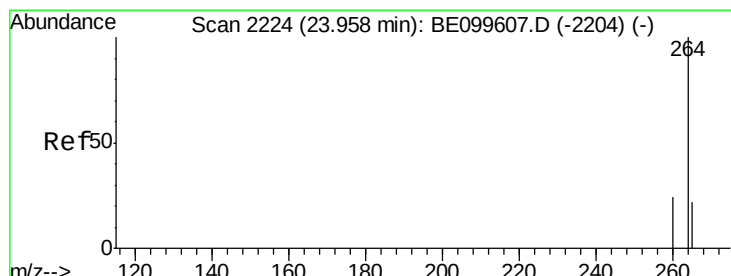
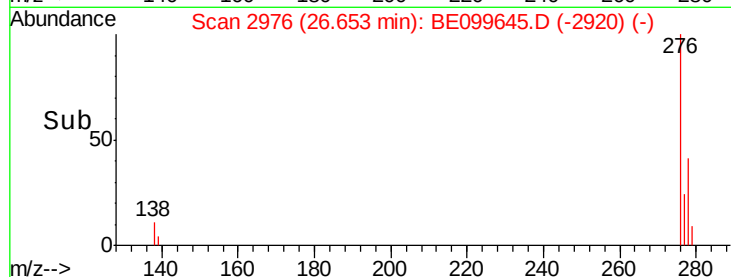
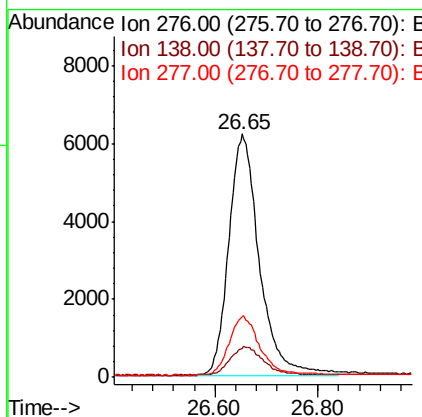
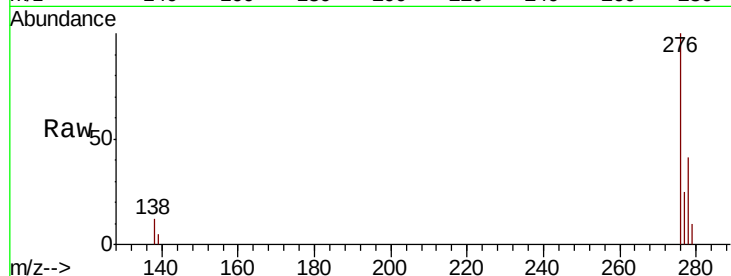




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.376 ng
 RT: 26.65 min Scan# 2976
 Delta R.T. 0.00 min
 Lab File: BE099645.D
 Acq: 17 May 2019 10:48

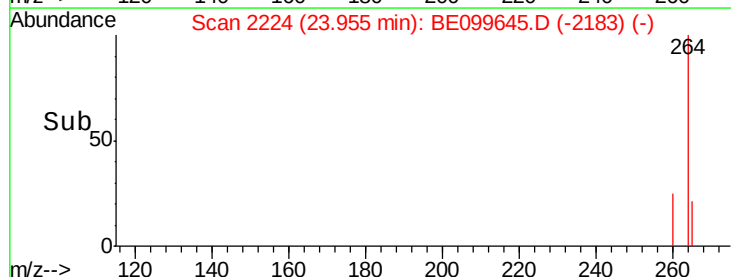
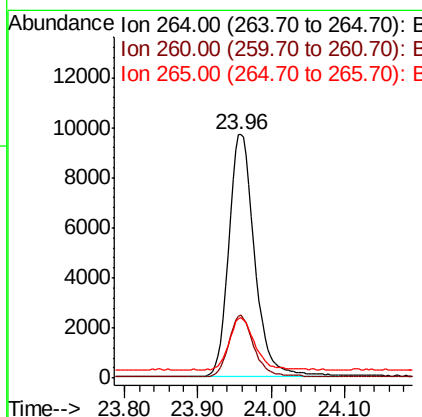
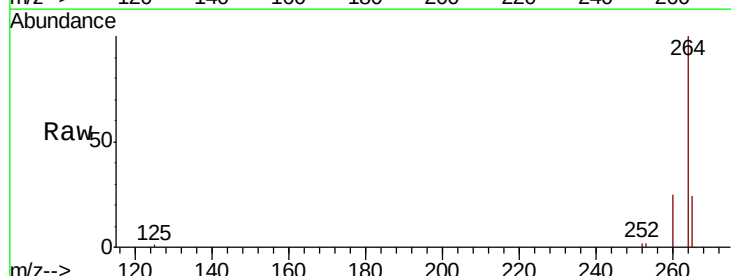
Instrument :
 BNA_E
 ClientSampleId :

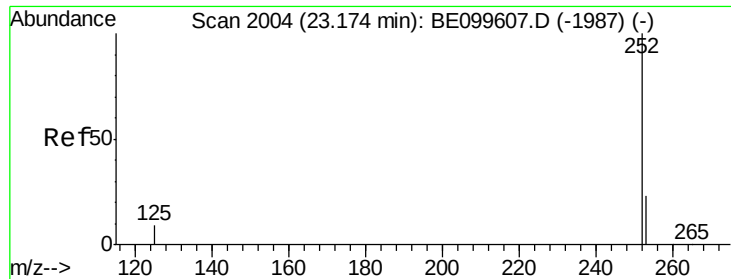
Tot Ion:276 Resp: 25515
 Ion Ratio Lower Upper
 276 100
 138 12.4 10.0 15.0
 277 24.3 19.1 28.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: BE099645.D
 Acq: 17 May 2019 10:48

Tgt Ion:264 Resp: 23933
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.7 29.5
 265 24.3 21.2 31.8

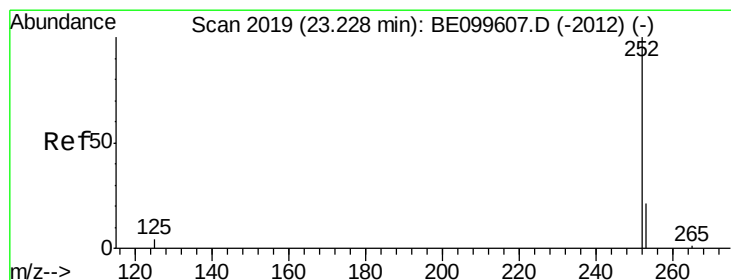
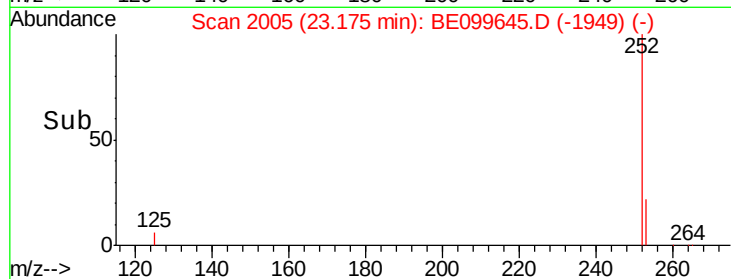
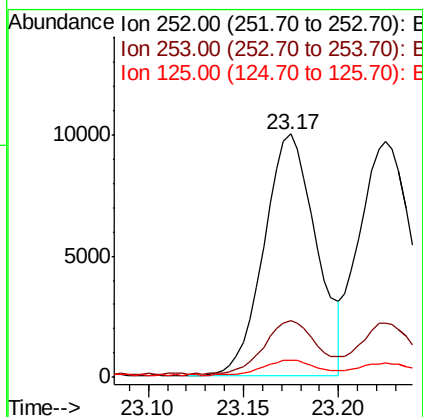
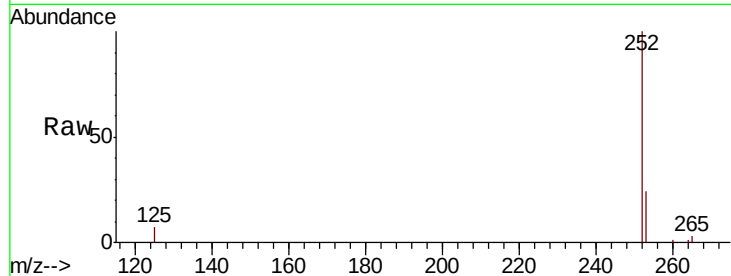




#35
Benzo(b)fluoranthene
Concen: 0.283 ng
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099645.D
Acq: 17 May 2019 10:48

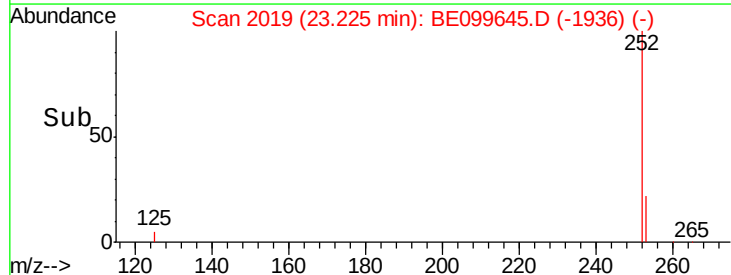
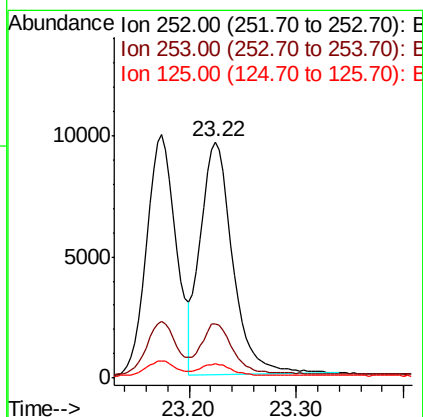
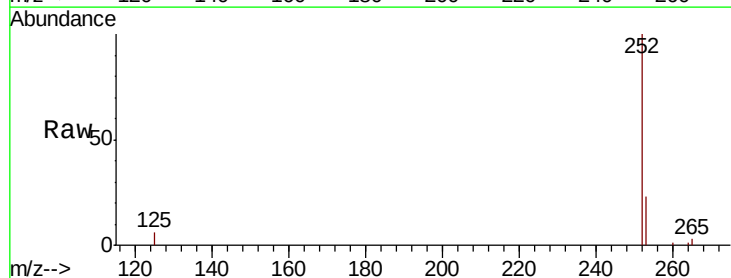
Instrument :
BNA_E
ClientSampleId :

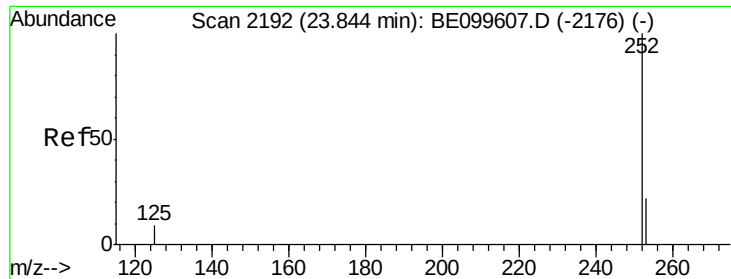
Tot Ion:252 Resp: 18943
Ion Ratio Lower Upper
252 100
253 23.6 19.1 28.7
125 7.0 7.8 11.8#



#36
Benzo(k)fluoranthene
Concen: 0.304 ng
RT: 23.22 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099645.D
Acq: 17 May 2019 10:48

Tgt Ion:252 Resp: 20108
Ion Ratio Lower Upper
252 100
253 23.2 18.6 28.0
125 6.0 5.2 7.8





#37

Benzo(a)pyrene

Concen: 0.302 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :

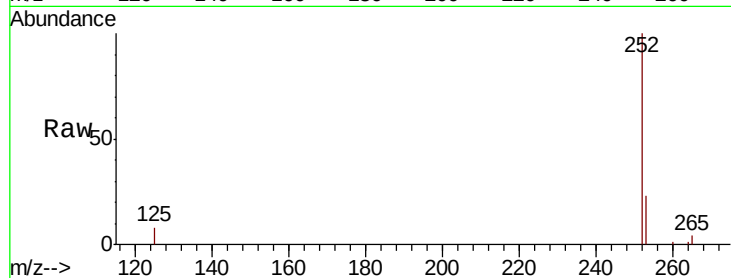
Tot Ion:252 Resp: 19576

Ion Ratio Lower Upper

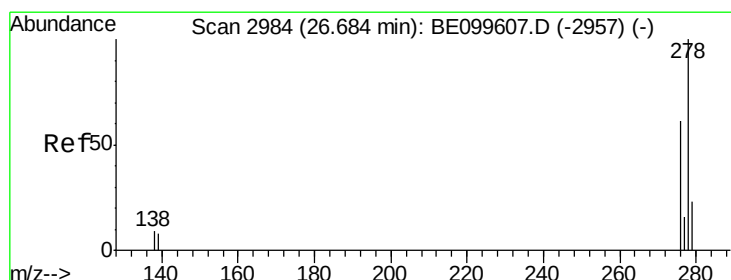
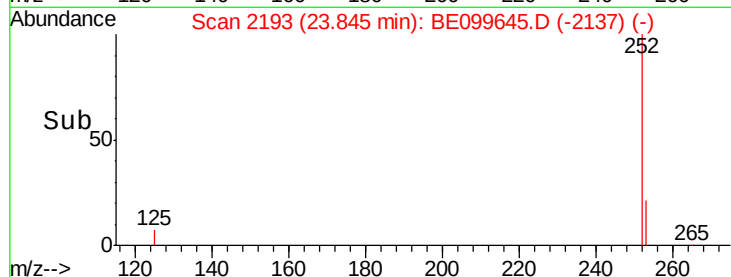
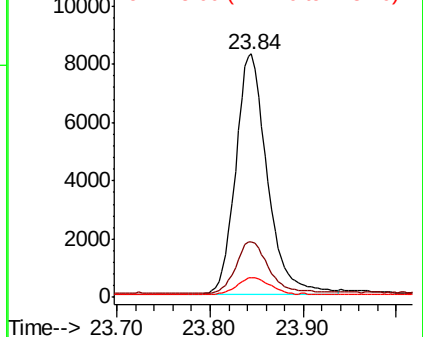
252 100

253 22.9 19.0 28.6

125 8.0 8.8 13.2#



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: 0.315 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BE099645.D

Acq: 17 May 2019 10:48

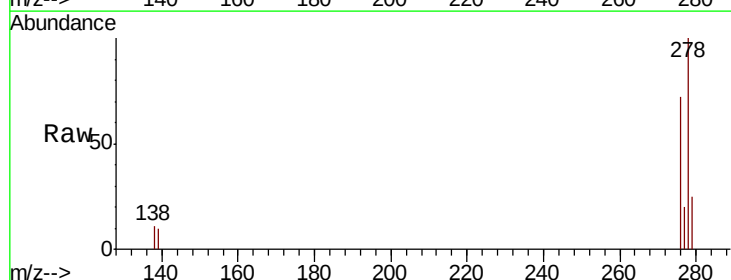
Tgt Ion:278 Resp: 21164

Ion Ratio Lower Upper

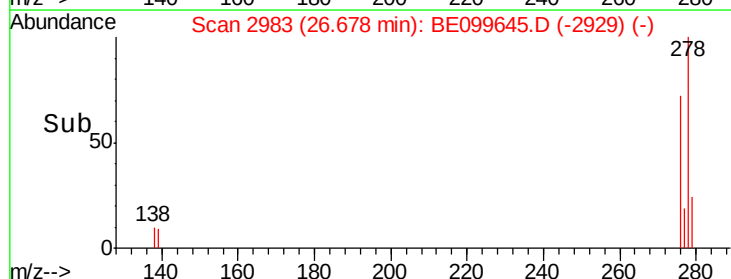
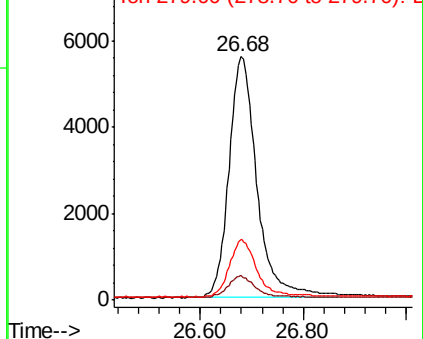
278 100

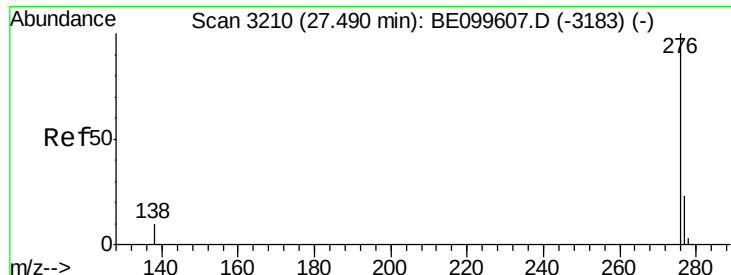
139 10.0 7.9 11.9

279 24.8 19.5 29.3



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: 0.324 ng

RT: 27.48 min Scan# 3208

Delta R.T. -0.01 min

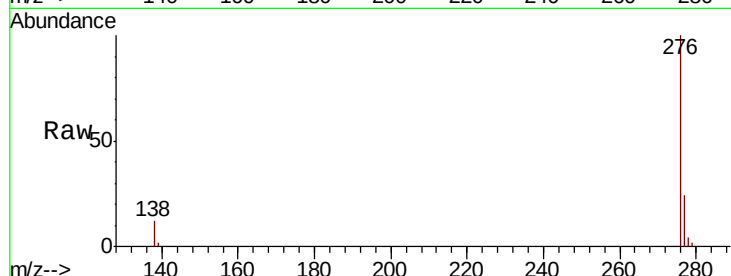
Lab File: BE099645.D

Acq: 17 May 2019 10:48

Instrument :

BNA_E

ClientSampleId :



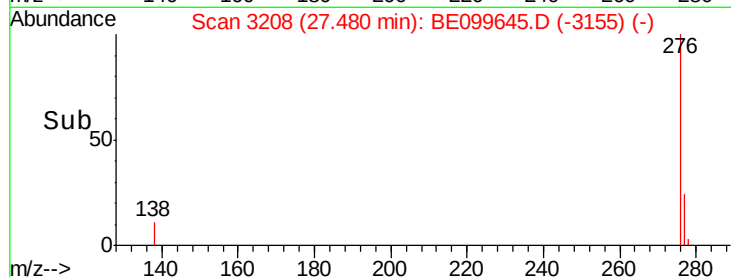
Tot Ion: 276 Resp: 21877

Ion Ratio Lower Upper

276 100

277 24.4 19.3 28.9

138 11.9 9.1 13.7



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

