

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE051619\
 Data File : BECCC633.D
 Acq On : 16 May 2019 22:04
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 07:05:33 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	1970	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	6873	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	4867	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	14969	0.40	ng	0.00
27) Chrysene-d12	21.41	240	19435	0.40	ng	0.00
34) Perylene-d12	23.96	264	23113	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1906	0.34	ng	0.00
5) Phenol-d6	6.97	99	2499	0.35	ng	0.00
8) Nitrobenzene-d5	8.98	82	2222	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4277	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1108	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	6745	0.36	ng	0.00
25) Fluoranthene-d10	19.27	212	72150	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	14070	0.40	ng	0.00

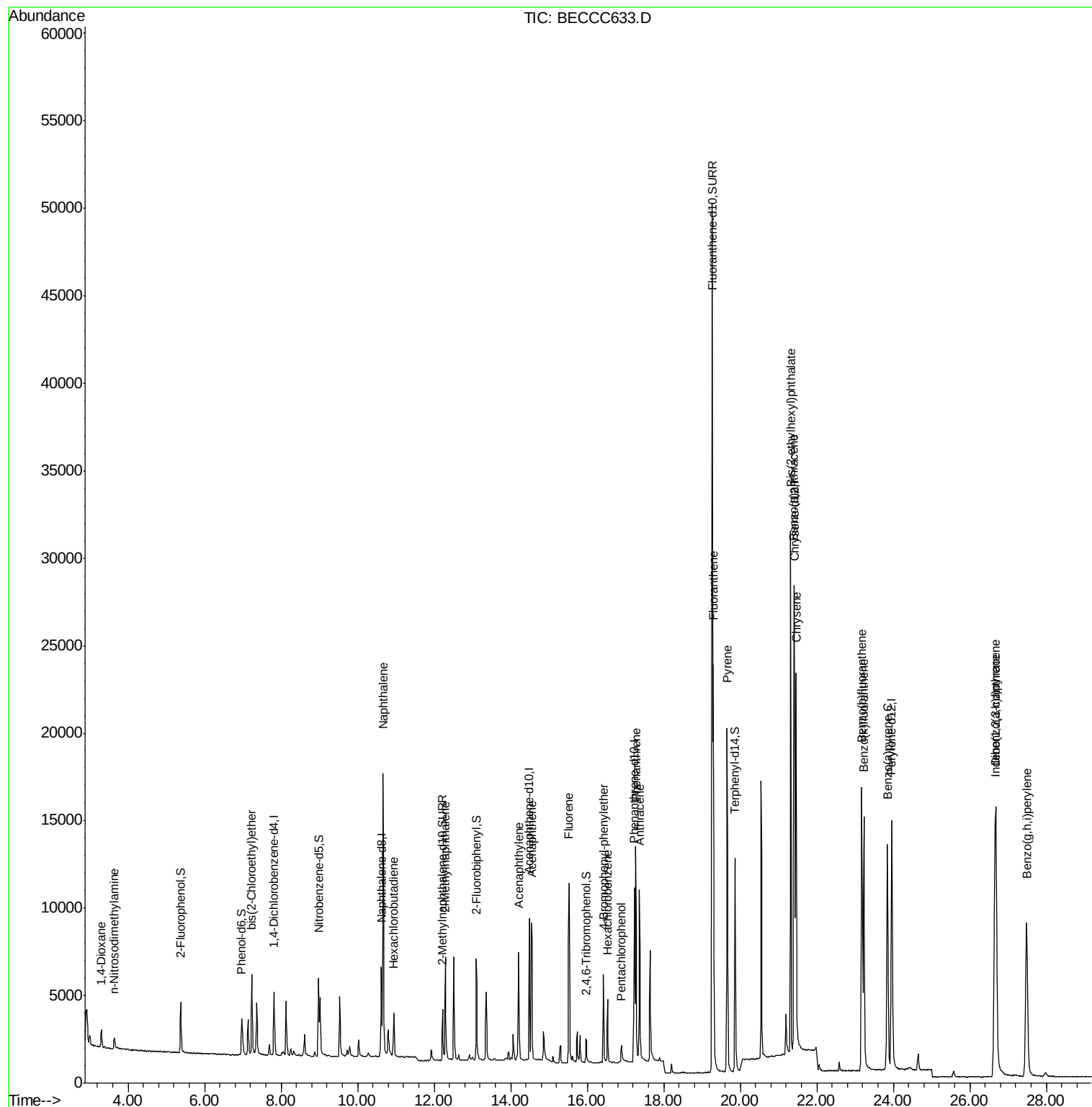
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	995	0.342	ng	88
3) n-Nitrosodimethylamine	3.64	42	521	0.281	ng	# 95
6) bis(2-Chloroethyl)ether	7.23	93	2132	0.358	ng	97
9) Naphthalene	10.67	128	26475	0.362	ng	99
10) Hexachlorobutadiene	10.94	225	1935	0.362	ng	99
12) 2-Methylnaphthalene	12.29	142	4407	0.365	ng	99
16) Acenaphthylene	14.21	152	8219	0.358	ng	100
17) Acenaphthene	14.54	154	4738	0.365	ng	99
18) Fluorene	15.53	166	6917	0.372	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	3072	0.356	ng	98
21) Hexachlorobenzene	16.53	284	3048	0.359	ng	95
22) Pentachlorophenol	16.89	266	1019	0.482	ng	97
23) Phenanthrene	17.27	178	13348	0.359	ng	100
24) Anthracene	17.36	178	11586	0.338	ng	99
26) Fluoranthene	19.29	202	20692	0.368	ng	100
28) Pyrene	19.66	202	20928	0.422	ng	99
30) Benzo(a)anthracene	21.40	228	22487	0.383	ng	99
31) Chrysene	21.46	228	24475	0.405	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	31223	0.345	ng	100
33) Indeno(1,2,3-cd)pyrene	26.66	276	29098	0.386	ng	98
35) Benzo(b)fluoranthene	23.17	252	23750	0.368	ng	98
36) Benzo(k)fluoranthene	23.23	252	23302	0.365	ng	98
37) Benzo(a)pyrene	23.84	252	22625	0.361	ng	99
38) Dibenzo(a,h)anthracene	26.68	278	23671	0.365	ng	99
39) Benzo(g,h,i)perylene	27.48	276	24287	0.372	ng	99

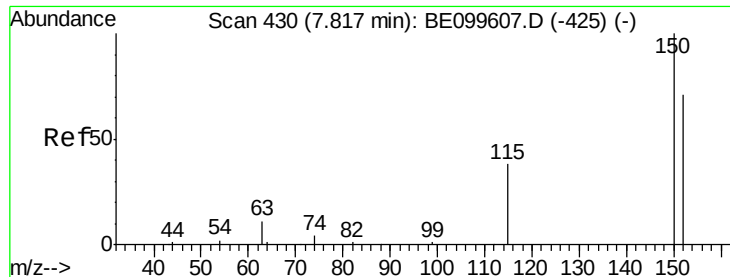
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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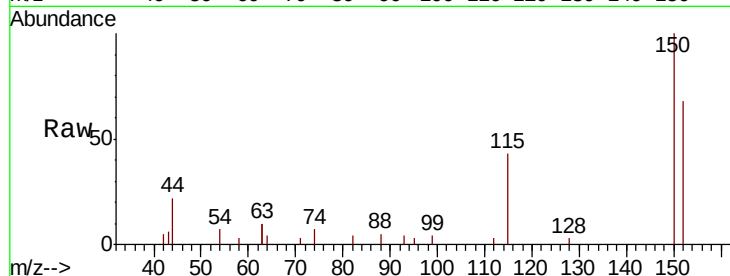


#1

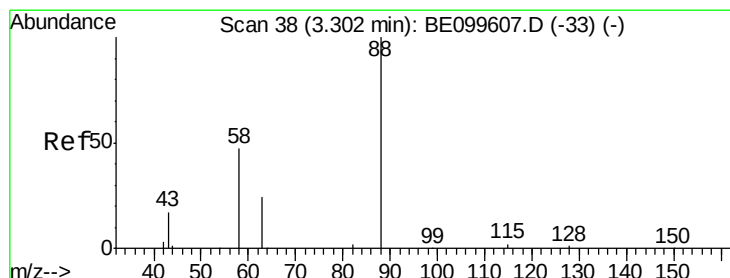
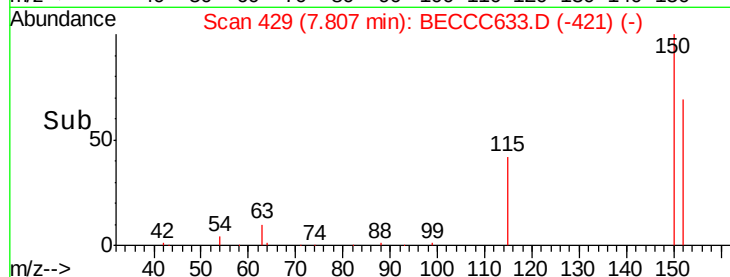
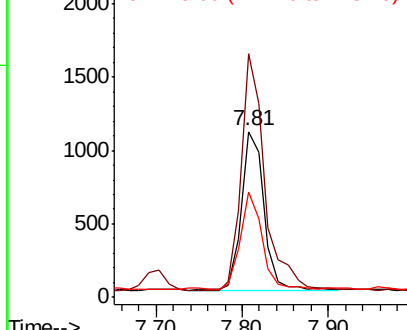
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BECCC633.D
Acq: 16 May 2019 22:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 152 Resp: 1970
Ion Ratio Lower Upper
152 100
150 146.7 110.1 165.1
115 63.6 46.2 69.4



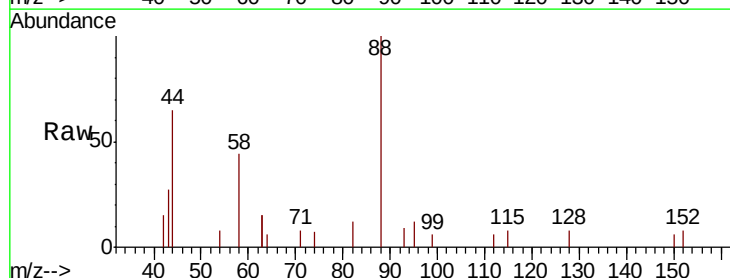
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



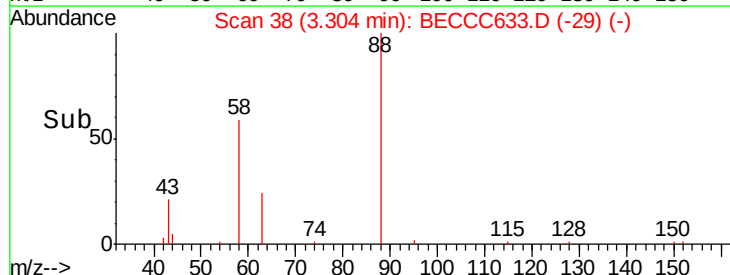
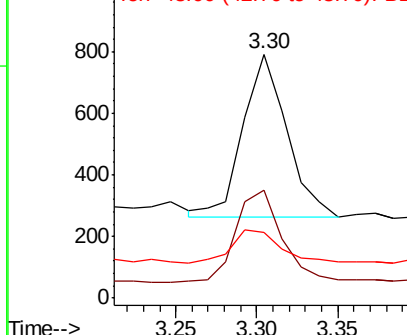
#2

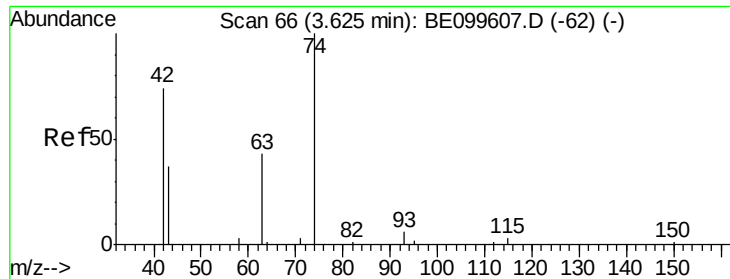
1,4-Dioxane
Concen: 0.342 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BECCC633.D
Acq: 16 May 2019 22:04

Tgt Ion: 88 Resp: 995
Ion Ratio Lower Upper
88 100
58 59.5 39.8 59.6
43 22.1 21.0 31.6



Abundance Ion 88.00 (87.70 to 88.70): BEC
Ion 58.00 (57.70 to 58.70): BEC
Ion 43.00 (42.70 to 43.70): BEC





#3

n-Nitrosodimethylamine

Concen: 0.281 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.01 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

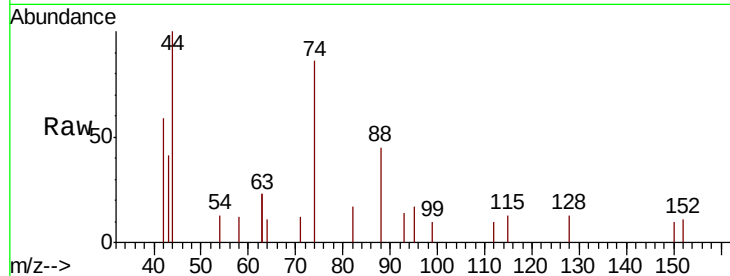
Tgt Ion: 42 Resp: 521

Ion Ratio Lower Upper

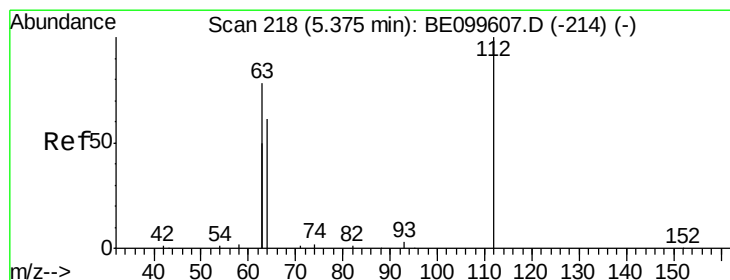
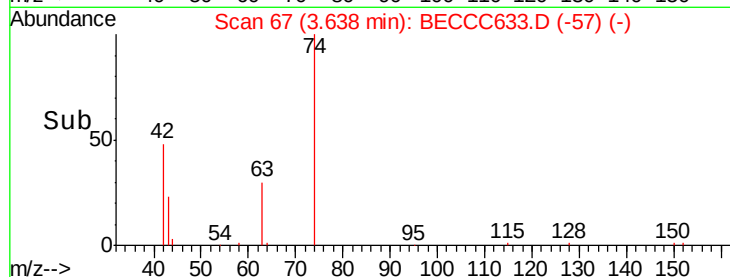
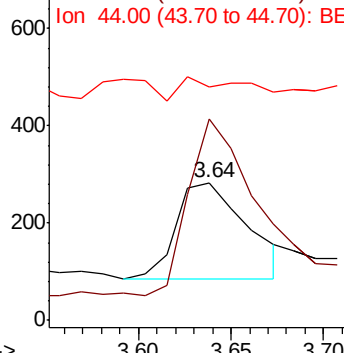
42 100

74 163.1 134.7 202.1

44 22.6 12.5 18.7#



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



#4

2-Fluorophenol

Concen: 0.341 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

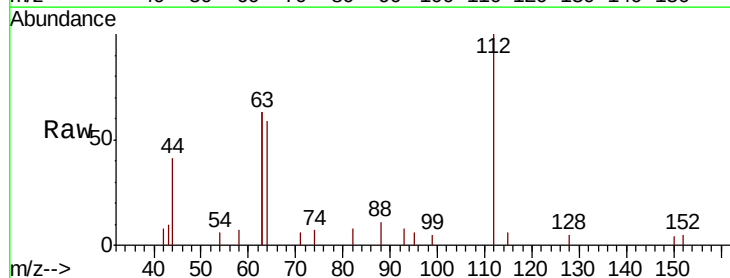
Tgt Ion: 112 Resp: 1906

Ion Ratio Lower Upper

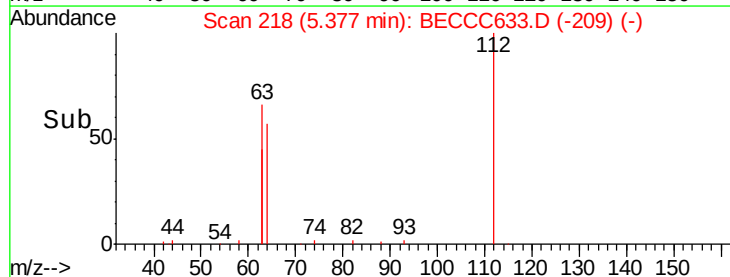
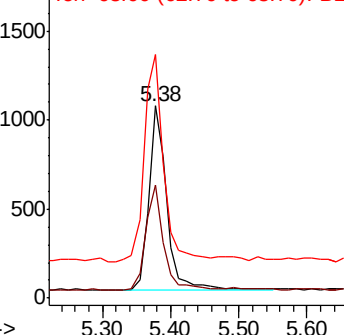
112 100

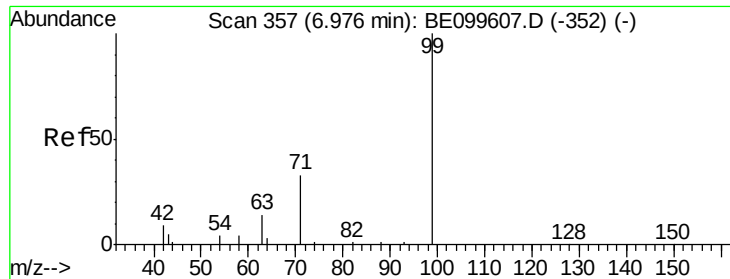
64 56.1 43.7 65.5

63 120.7 94.0 141.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BEC
Ion 63.00 (62.70 to 63.70): BEC





#5

Phenol-d6

Concen: 0.353 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

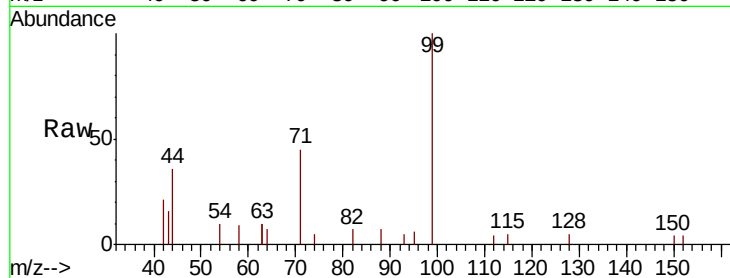
Tgt Ion: 99 Resp: 2499

Ion Ratio Lower Upper

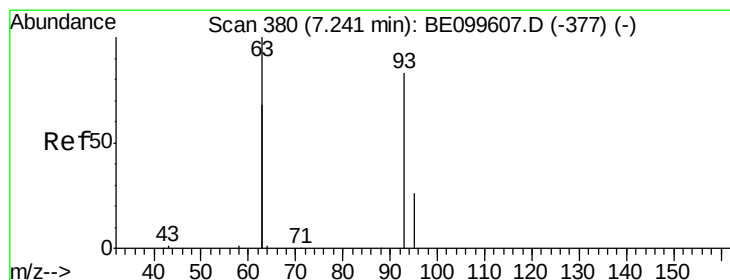
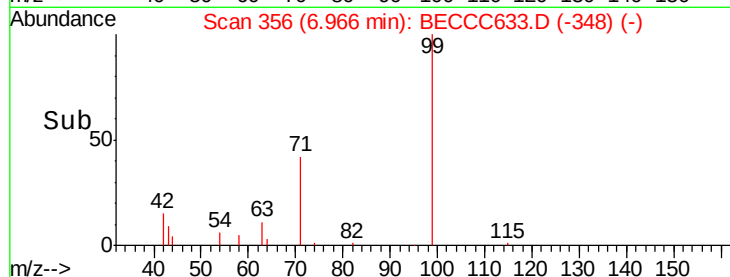
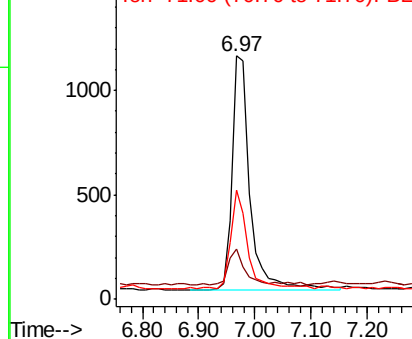
99 100

42 14.3 14.3 21.5#

71 39.7 33.1 49.7



Abundance Ion 99.00 (98.70 to 99.70): BEC
Ion 42.00 (41.70 to 42.70): BEC
Ion 71.00 (70.70 to 71.70): BEC



#6

bis(2-Chloroethyl)ether

Concen: 0.358 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

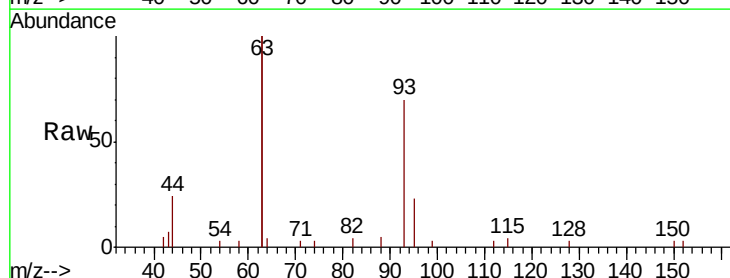
Tgt Ion: 93 Resp: 2132

Ion Ratio Lower Upper

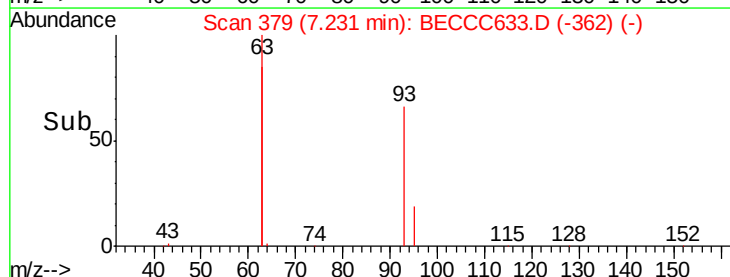
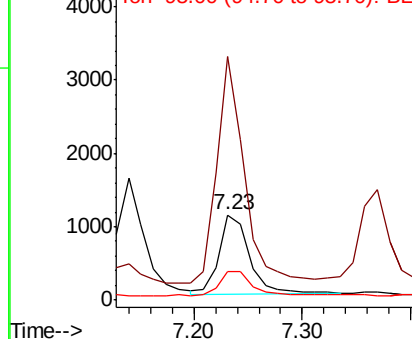
93 100

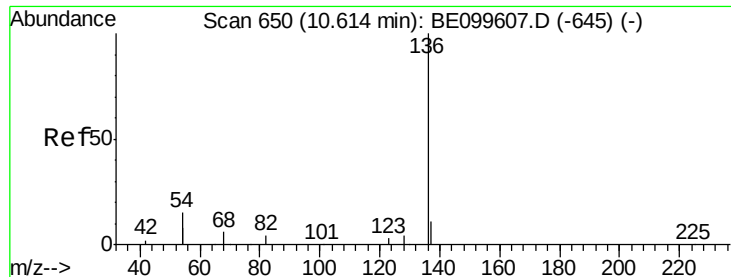
63 257.2 201.0 301.4

95 32.3 25.0 37.4



Abundance Ion 93.00 (92.70 to 93.70): BEC
Ion 63.00 (62.70 to 63.70): BEC
Ion 95.00 (94.70 to 95.70): BEC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:136 Resp: 6873

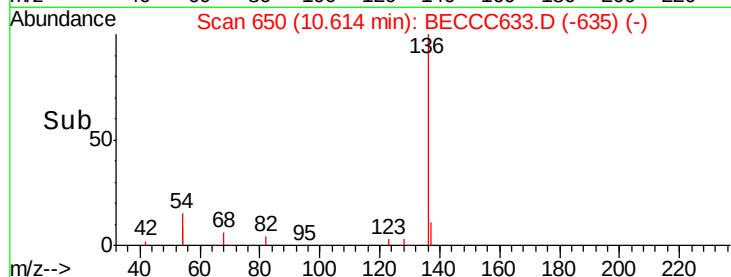
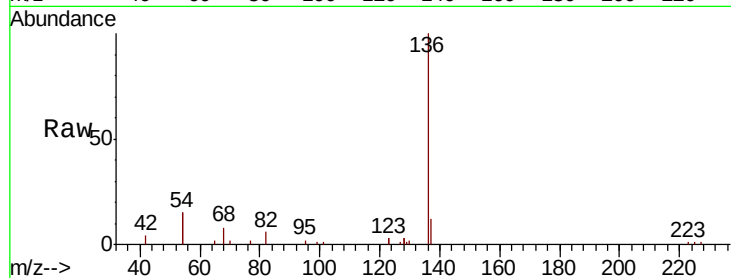
Ion Ratio Lower Upper

136 100

137 11.9 9.7 14.5

54 29.3 23.8 35.8

68 7.7 6.2 9.2

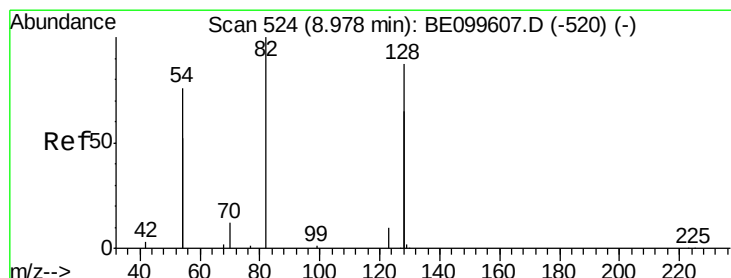
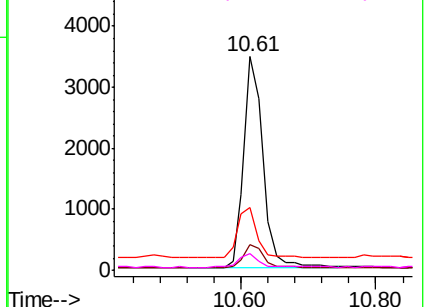


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BEC

Ion 68.00 (67.70 to 68.70): BEC



#8

Nitrobenzene-d5

Concen: 0.334 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

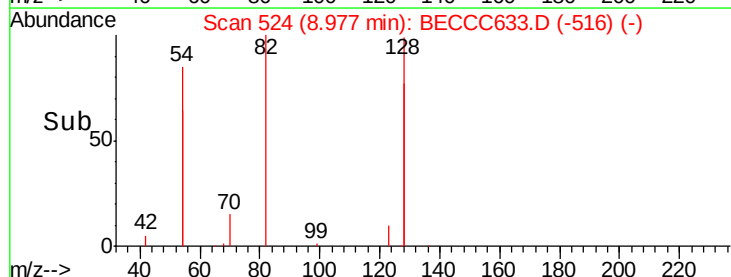
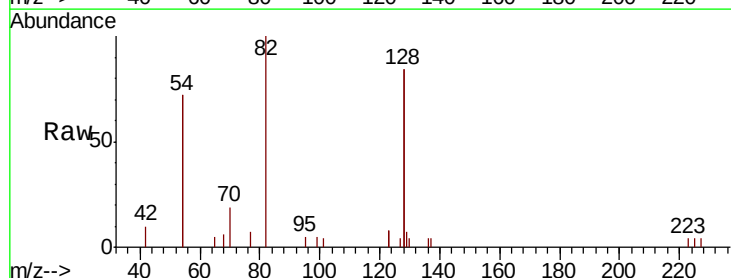
Tgt Ion: 82 Resp: 2222

Ion Ratio Lower Upper

82 100

128 167.4 131.4 197.2

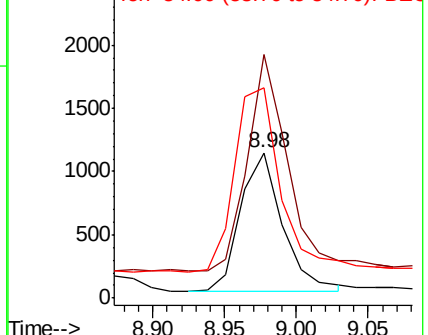
54 144.8 113.9 170.9

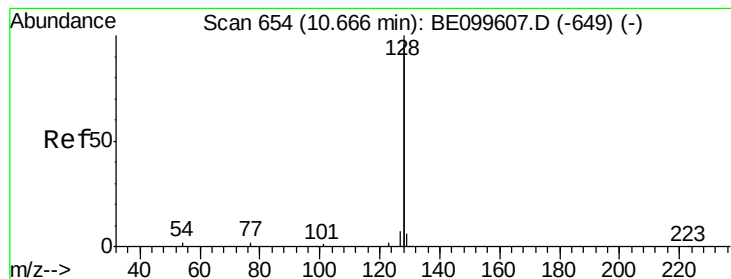


Abundance Ion 82.00 (81.70 to 82.70): BEC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BEC





#9

Naphthalene

Concen: 0.362 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

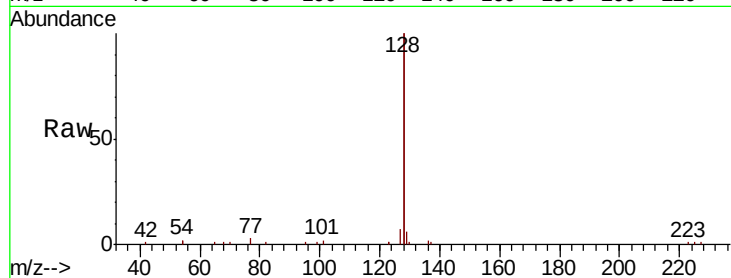
Tgt Ion:128 Resp: 26475

Ion Ratio Lower Upper

128 100

129 2.8 2.6 4.0

127 3.6 3.0 4.6

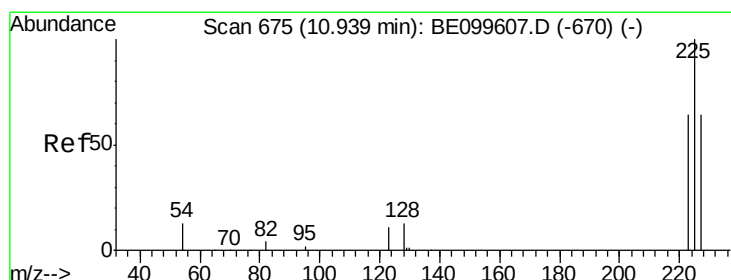
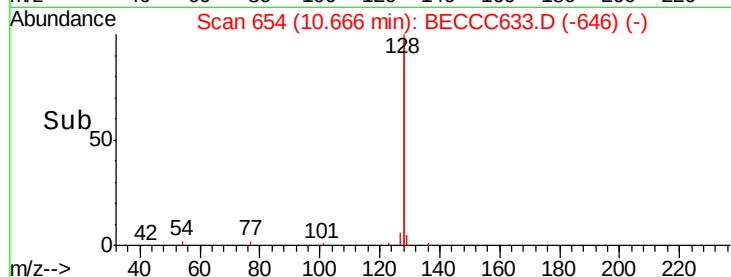
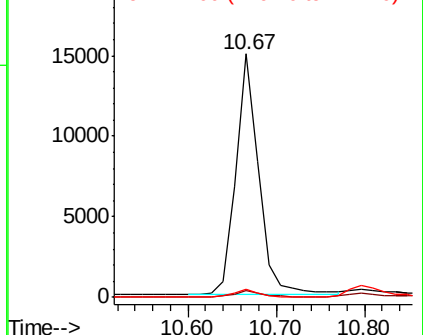


Abundance

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: 0.362 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

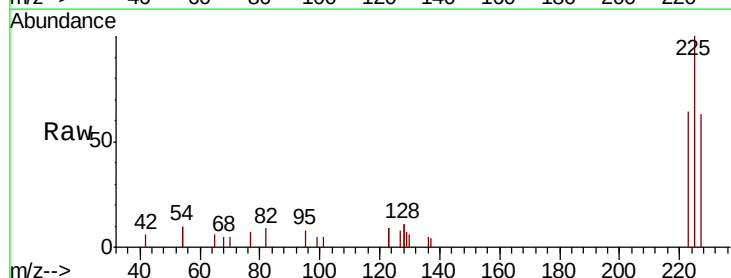
Tgt Ion:225 Resp: 1935

Ion Ratio Lower Upper

225 100

223 62.9 49.8 74.8

227 62.9 51.2 76.8

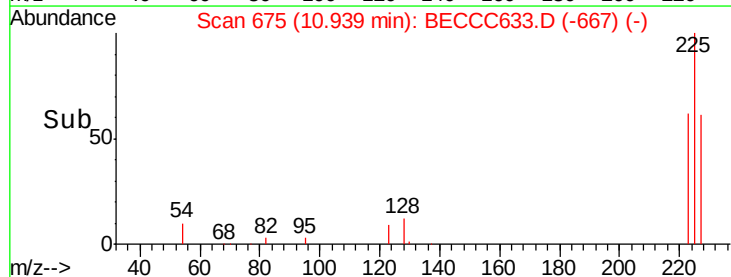
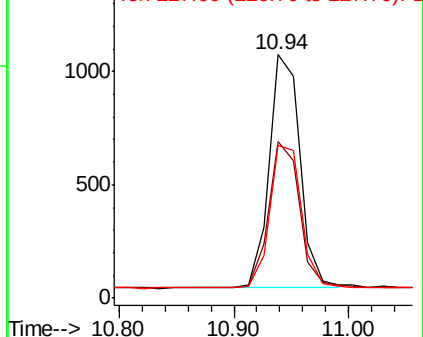


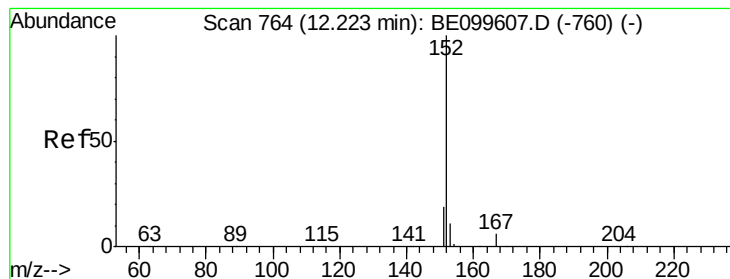
Abundance

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: 0.370 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

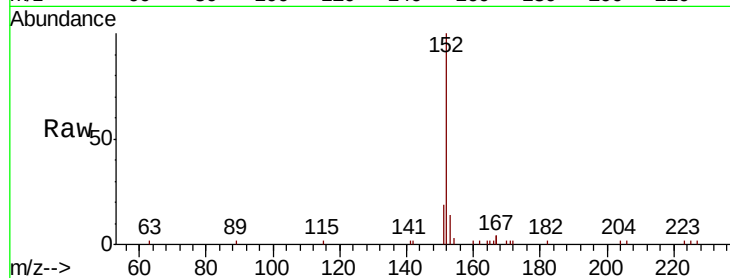
ClientSampleId :

Tgt Ion:152 Resp: 4277

Ion Ratio Lower Upper

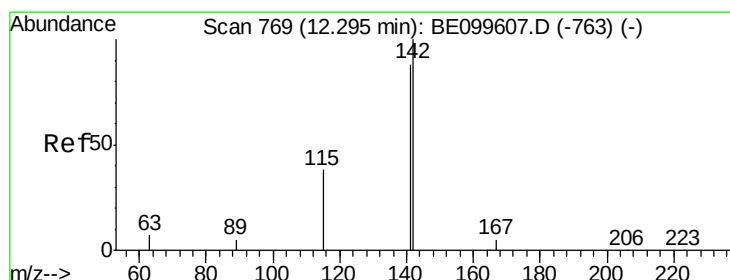
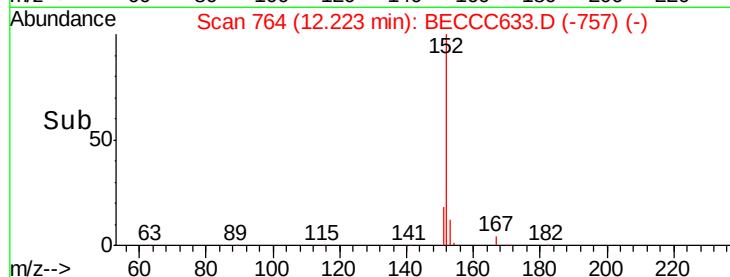
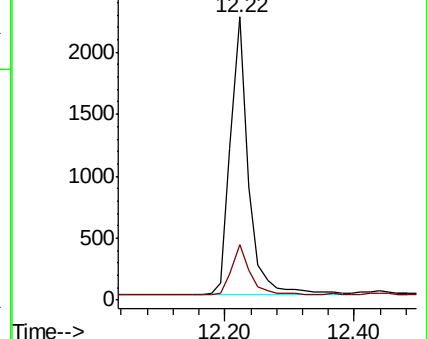
152 100

151 18.2 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.365 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

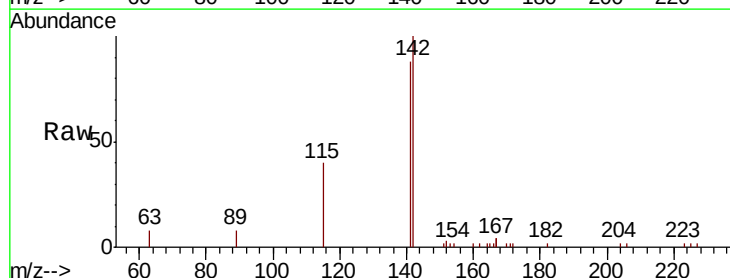
Tgt Ion:142 Resp: 4407

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6

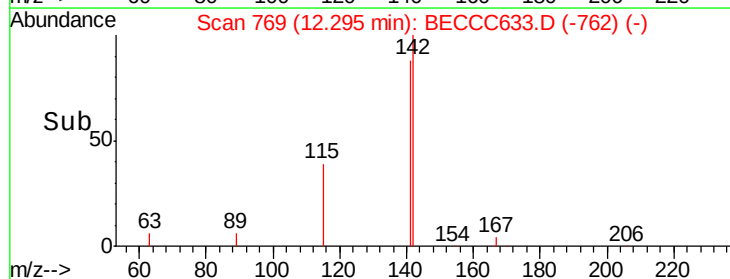
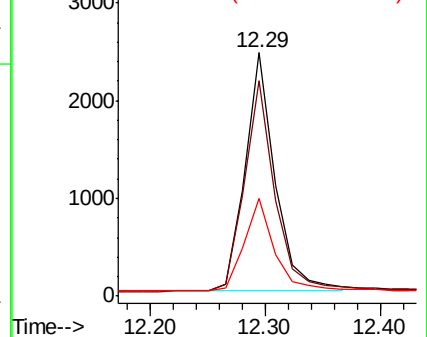
115 40.0 32.2 48.4

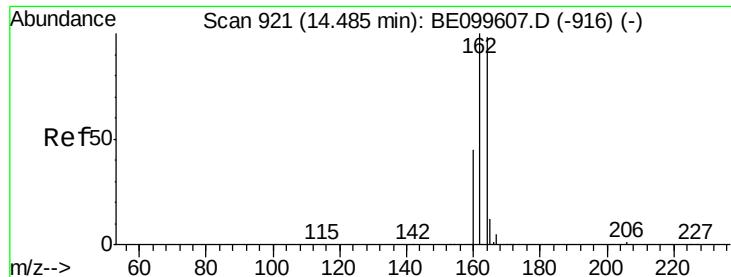


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

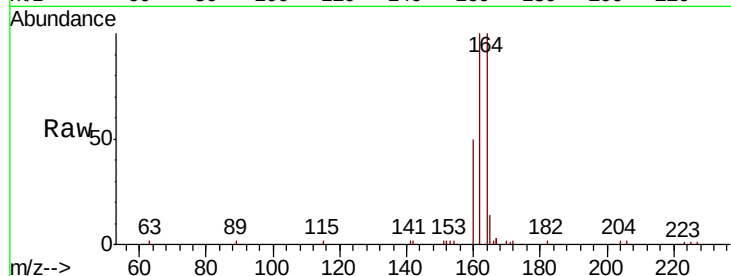
Tgt Ion:164 Resp: 4867

Ion Ratio Lower Upper

164 100

162 100.1 81.4 122.0

160 49.6 37.4 56.2

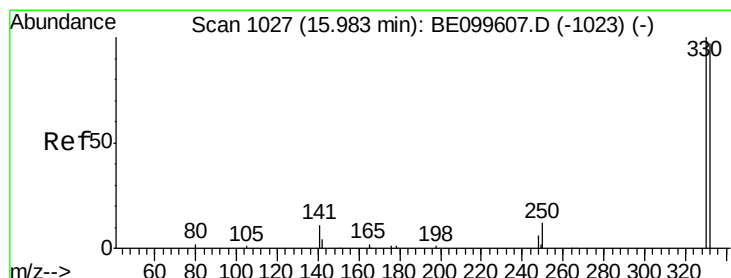
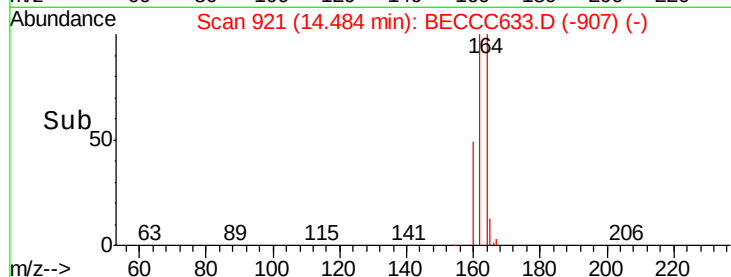
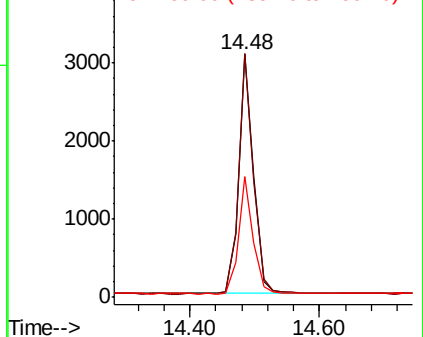


Abundance

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: 0.333 ng

RT: 15.98 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

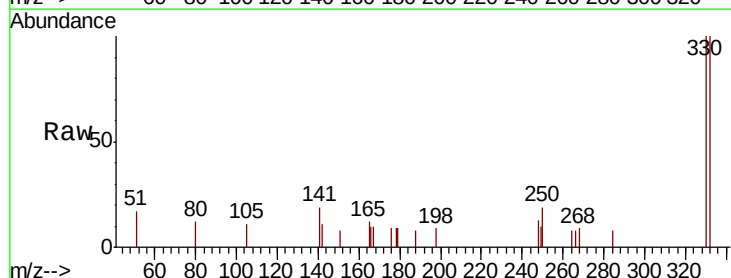
Tgt Ion:330 Resp: 1108

Ion Ratio Lower Upper

330 100

332 95.3 73.8 110.8

141 25.7 21.0 31.6

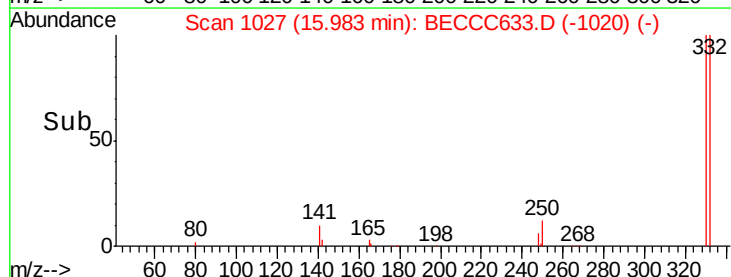
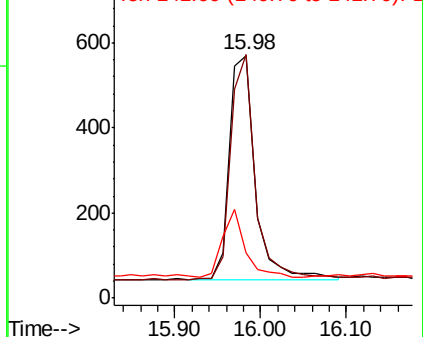


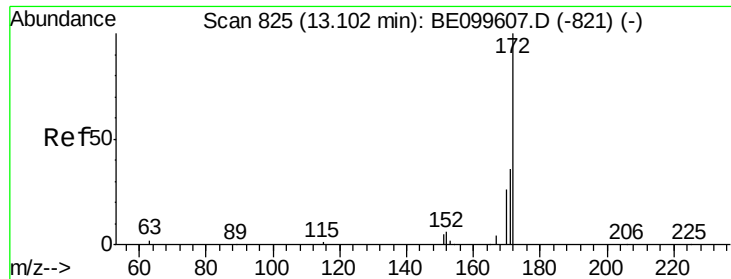
Abundance

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

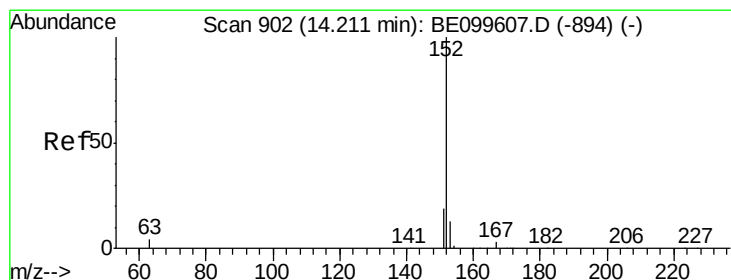
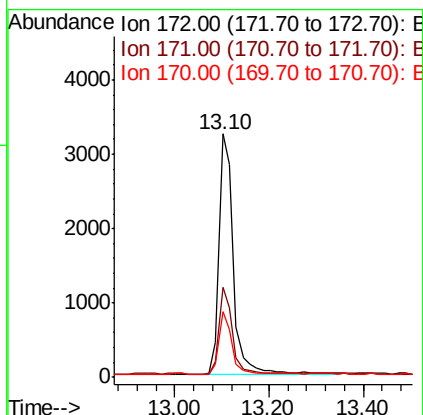
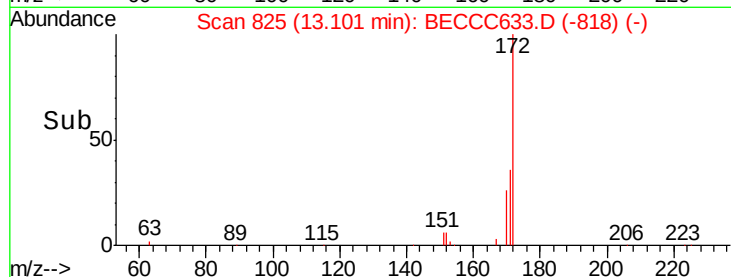
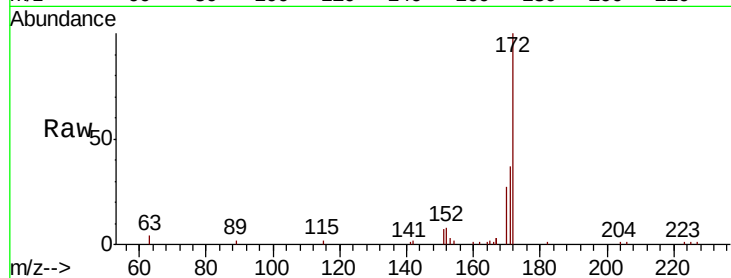




#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BECCC633.D
Acq: 16 May 2019 22:04

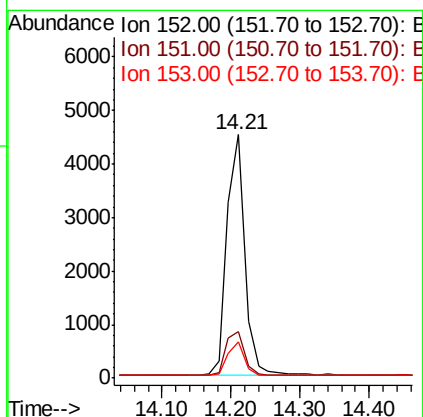
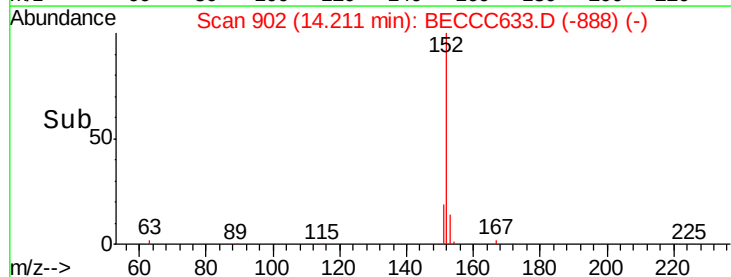
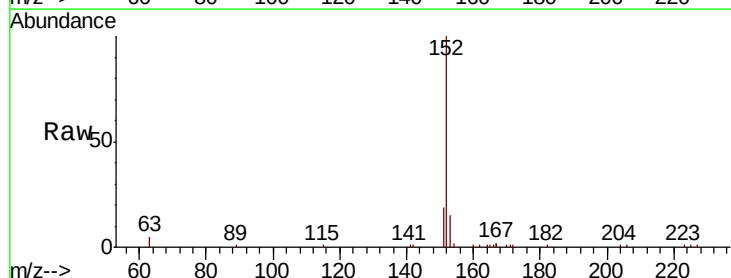
Instrument :
BNA_E
ClientSampleId :

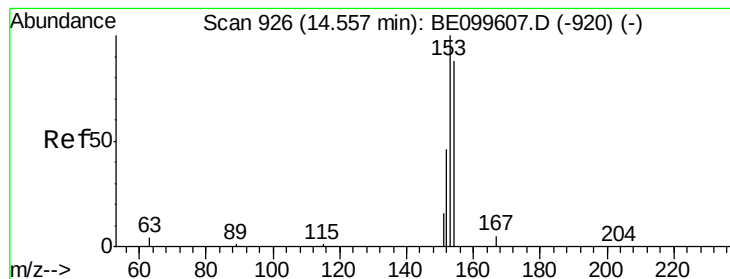
Tgt Ion:172 Resp: 6745
Ion Ratio Lower Upper
172 100
171 37.0 29.4 44.2
170 27.1 21.5 32.3



#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BECCC633.D
Acq: 16 May 2019 22:04

Tgt Ion:152 Resp: 8219
Ion Ratio Lower Upper
152 100
151 19.5 15.6 23.4
153 13.3 10.4 15.6





#17

Acenaphthene

Concen: 0.365 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

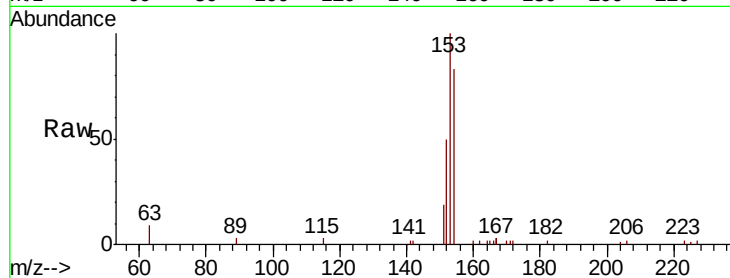
Tgt Ion:154 Resp: 4738

Ion Ratio Lower Upper

154 100

153 116.6 94.1 141.1

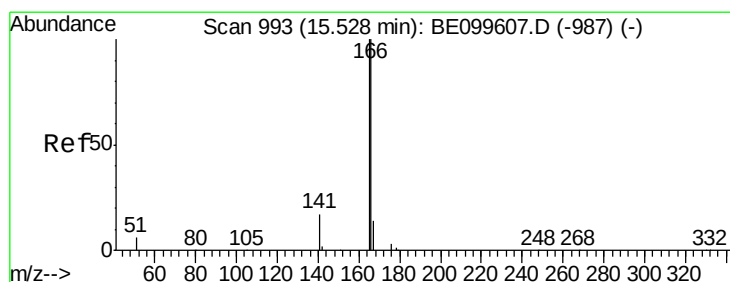
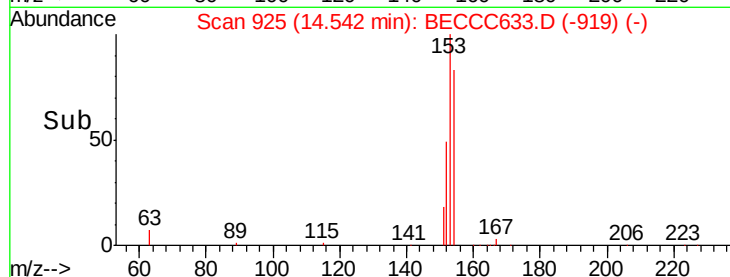
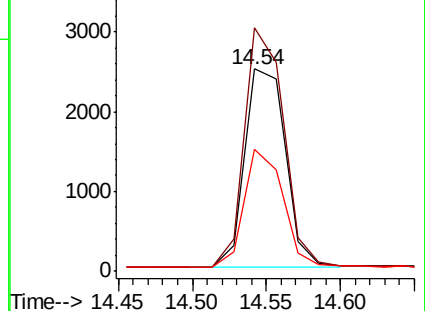
152 57.1 46.5 69.7



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: 0.372 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

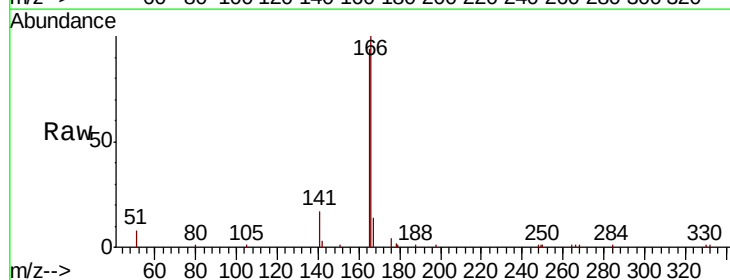
Tgt Ion:166 Resp: 6917

Ion Ratio Lower Upper

166 100

165 98.1 79.8 119.8

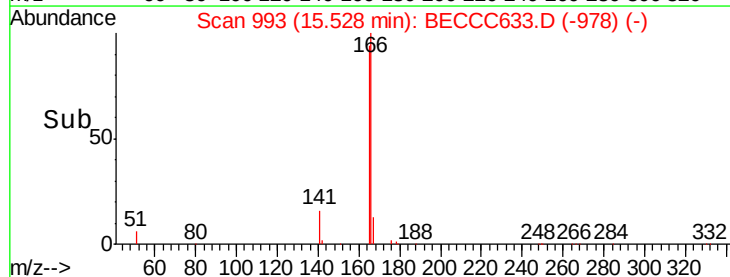
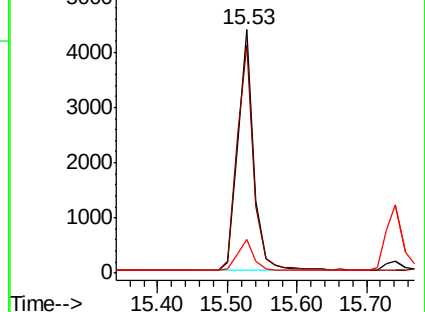
167 13.6 11.2 16.8

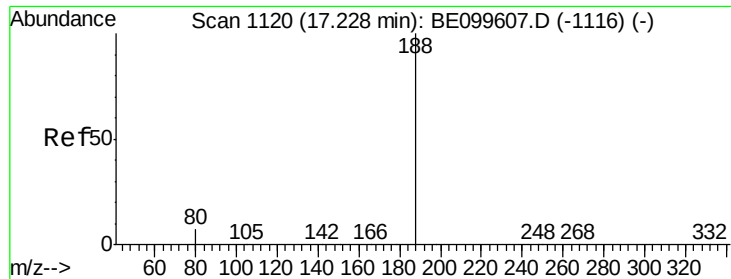


Abundance Ion 166.00 (165.70 to 166.70): E

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: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

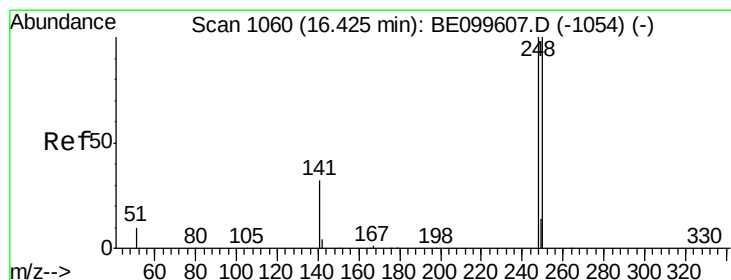
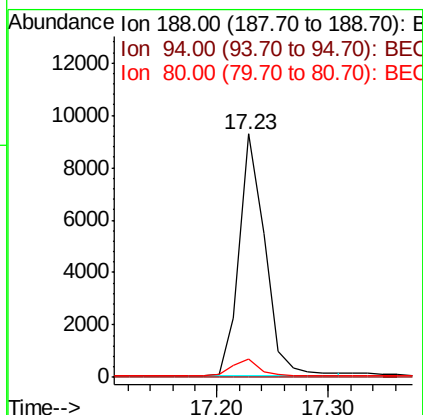
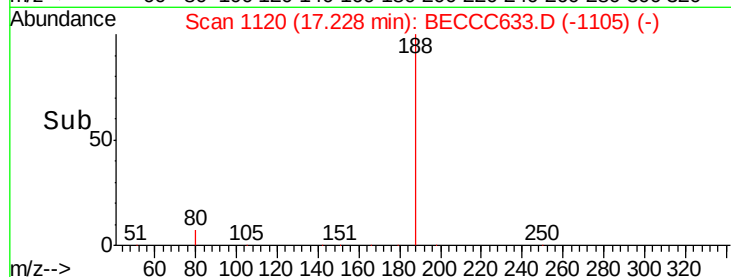
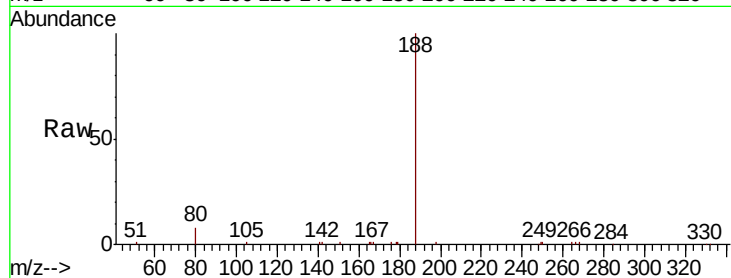
Tgt Ion:188 Resp: 14969

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.7 6.4 9.6



#20

4-Bromophenyl-phenylether

Concen: 0.356 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

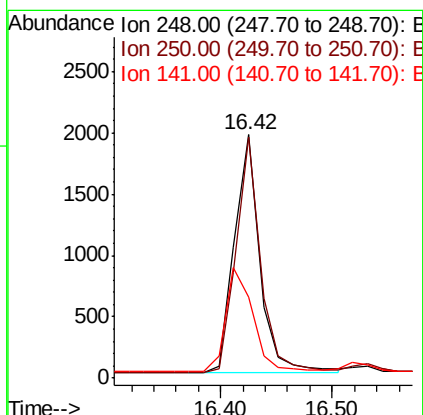
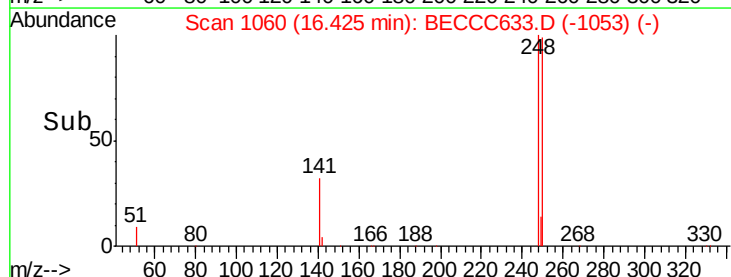
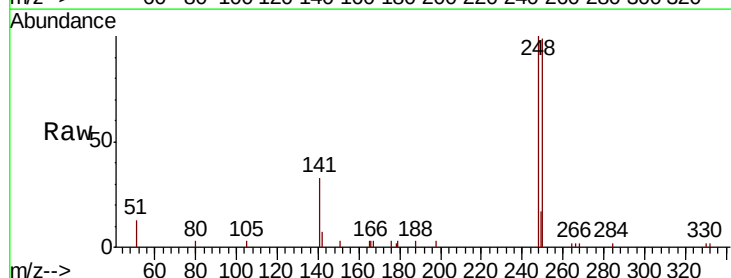
Tgt Ion:248 Resp: 3072

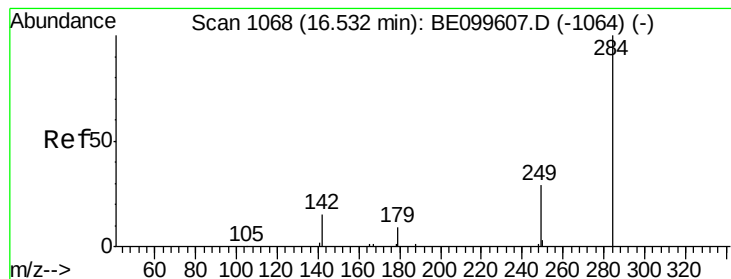
Ion Ratio Lower Upper

248 100

250 98.8 80.4 120.6

141 33.4 27.8 41.8





#21

Hexachlorobenzene

Concen: 0.359 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

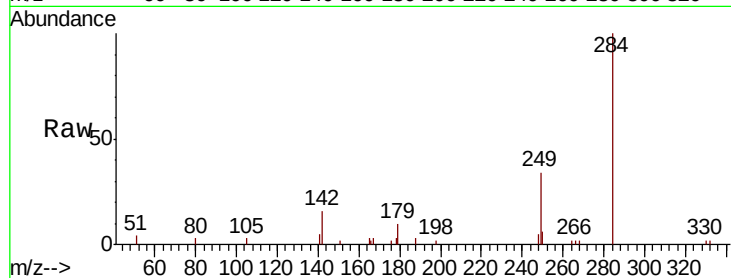
Tgt Ion:284 Resp: 3048

Ion Ratio Lower Upper

284 100

142 23.1 19.4 29.2

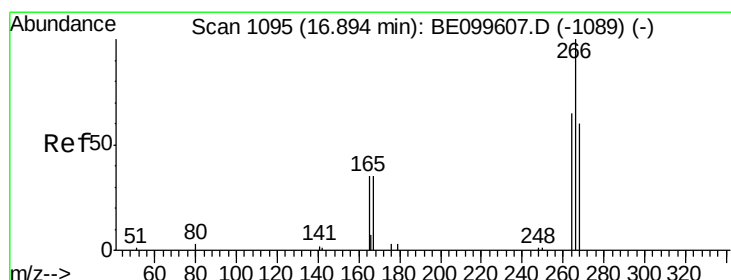
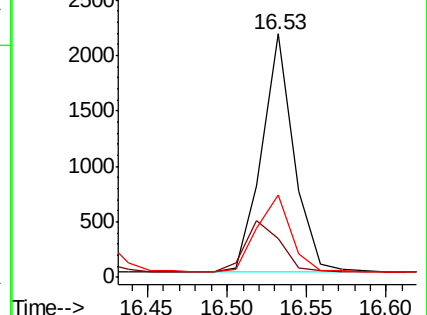
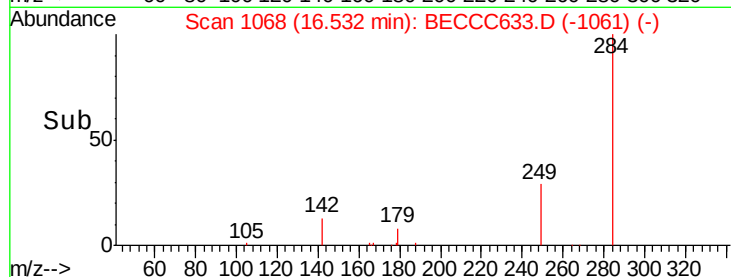
249 34.2 24.6 37.0



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: 0.482 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

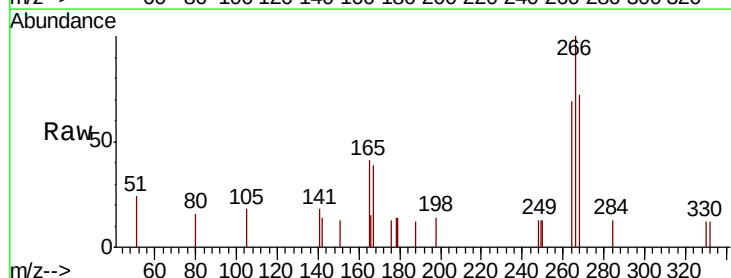
Tgt Ion:266 Resp: 1019

Ion Ratio Lower Upper

266 100

264 69.1 57.7 86.5

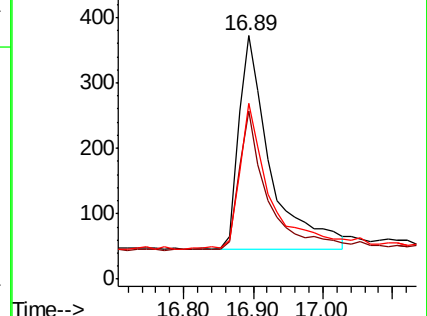
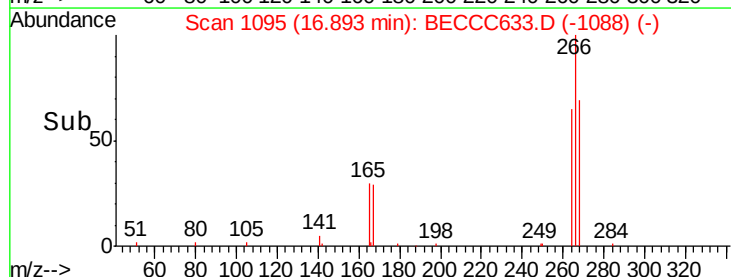
268 72.3 55.8 83.8

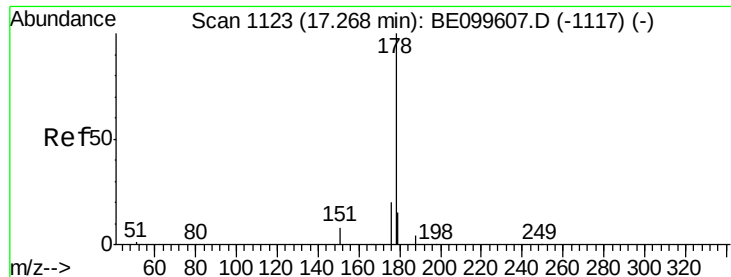


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.359 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

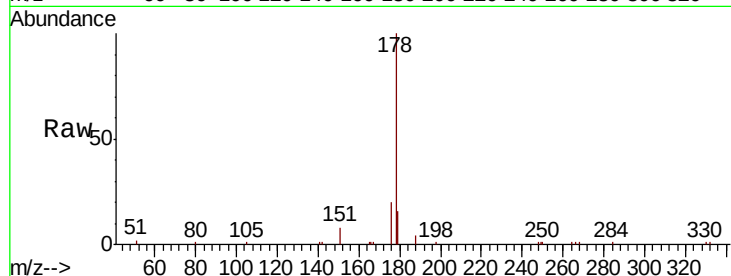
Tgt Ion:178 Resp: 13348

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

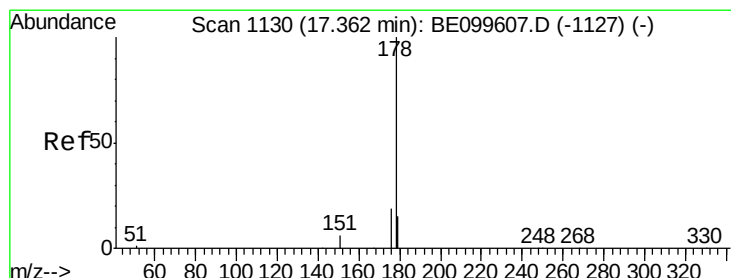
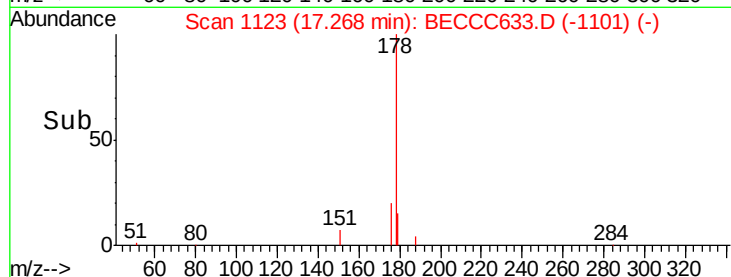
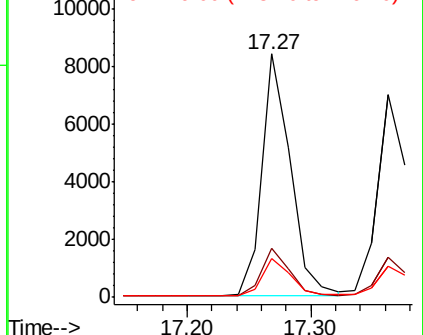
179 15.1 12.2 18.2



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: 0.338 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

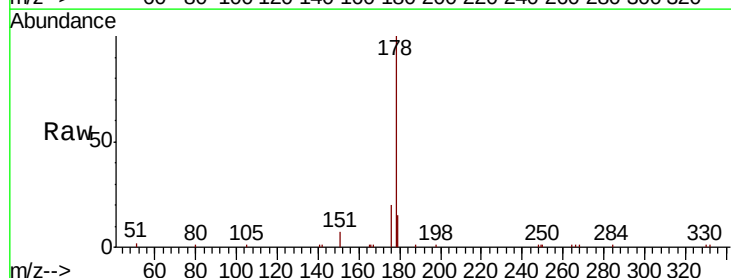
Tgt Ion:178 Resp: 11586

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

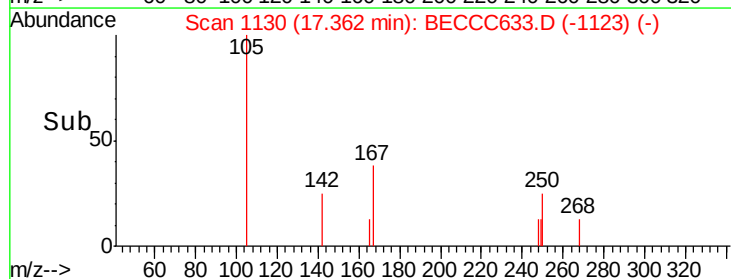
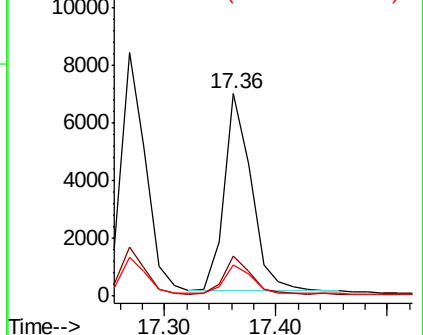
179 14.7 12.1 18.1

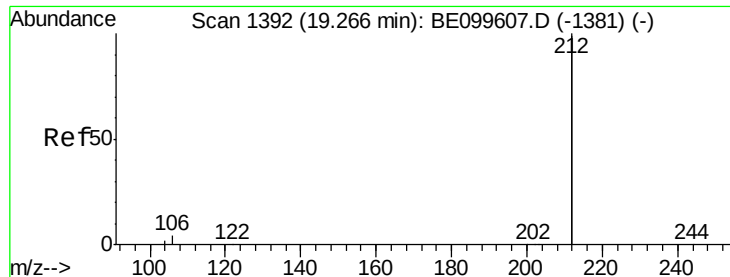


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BECCC633.D

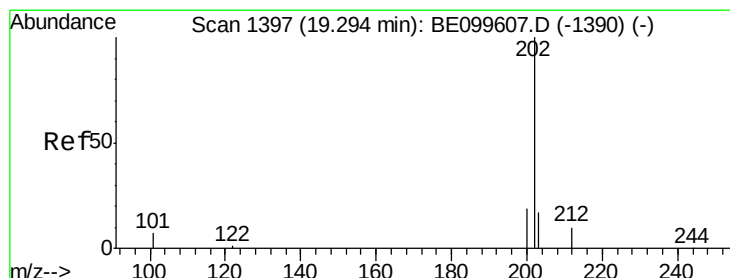
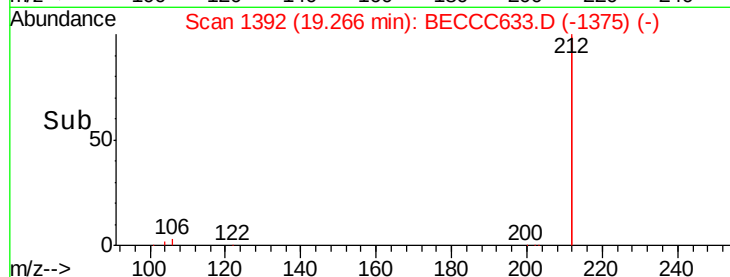
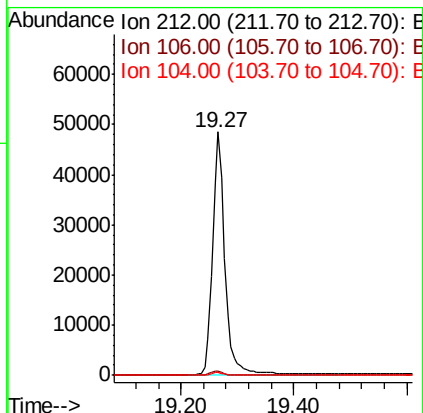
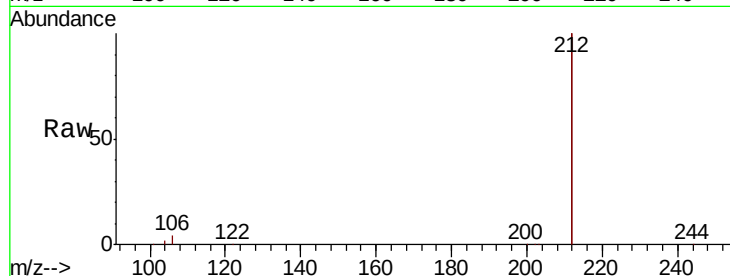
Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	212	Resp:	72150
Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.0	0.9	1.3



#26

Fluoranthene

Concen: 0.368 ng

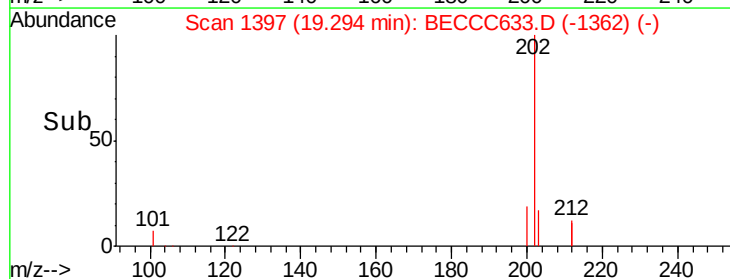
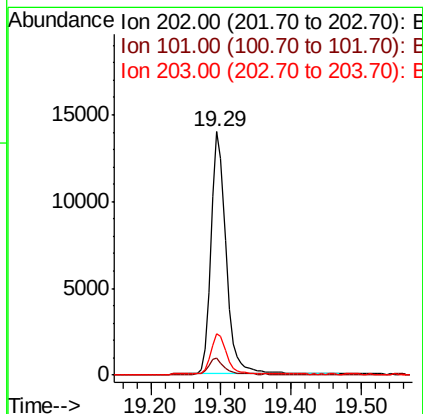
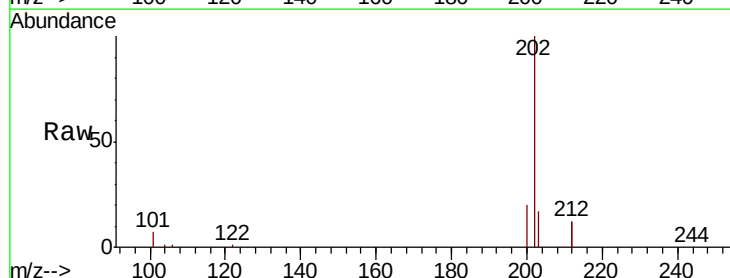
RT: 19.29 min Scan# 1397

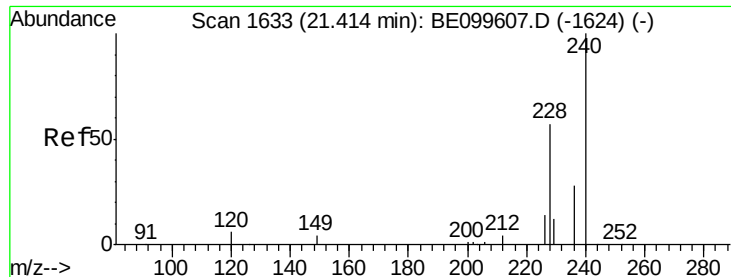
Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Tgt Ion:	202	Resp:	20692
Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.0	7.6
203	17.1	13.7	20.5

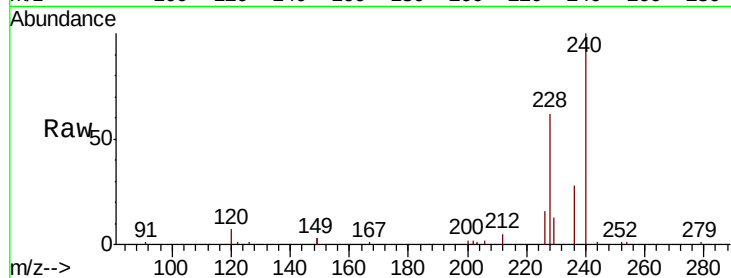




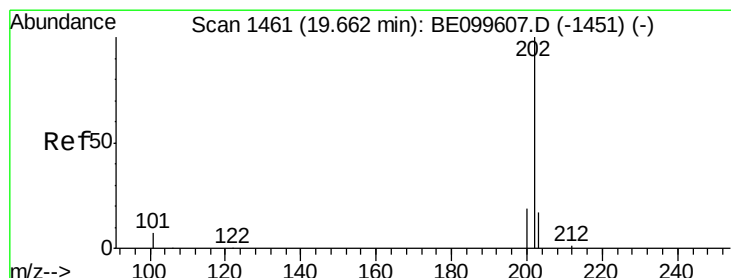
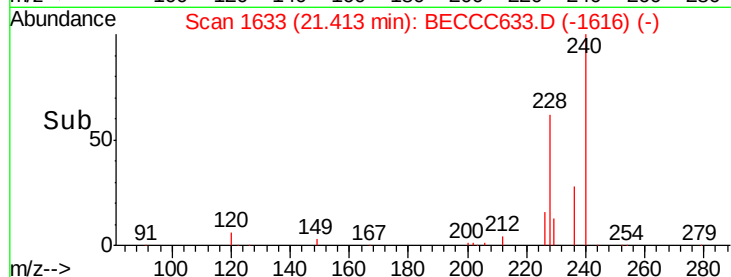
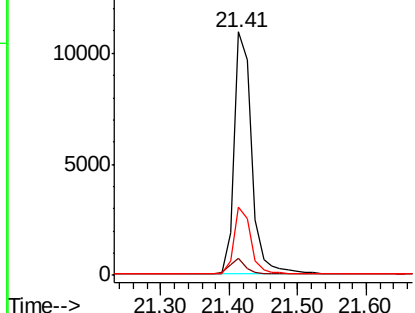
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BECCC633.D
 Acq: 16 May 2019 22:04

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:240 Resp: 19435
 Ion Ratio Lower Upper
 240 100
 120 7.0 5.7 8.5
 236 28.3 22.8 34.2

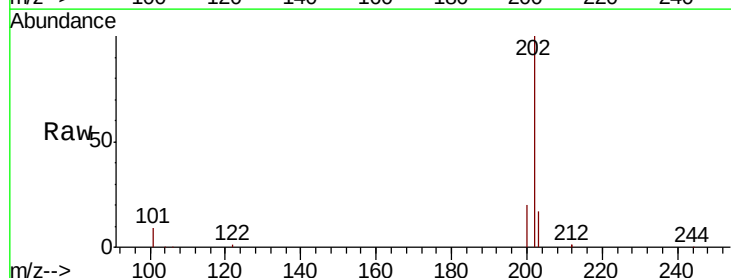


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

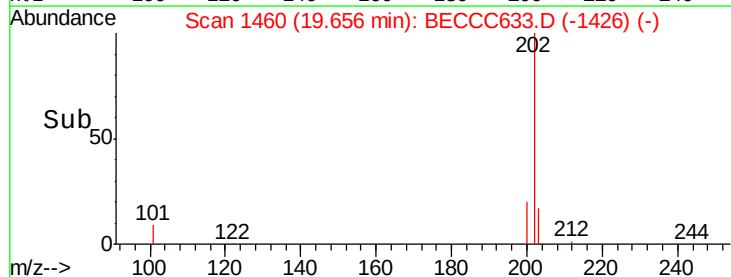
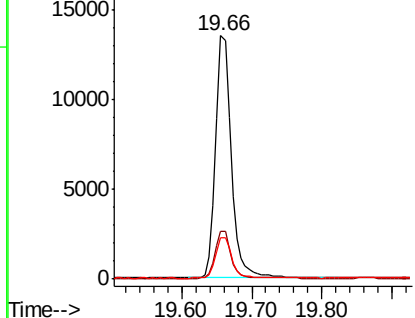


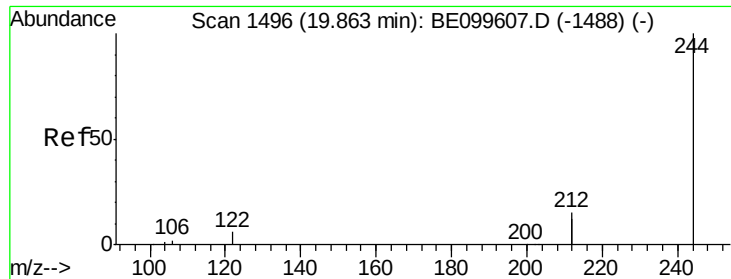
#28
 Pyrene
 Concen: 0.422 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BECCC633.D
 Acq: 16 May 2019 22:04

Tgt Ion:202 Resp: 20928
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.8 23.6
 203 17.4 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: 0.402 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

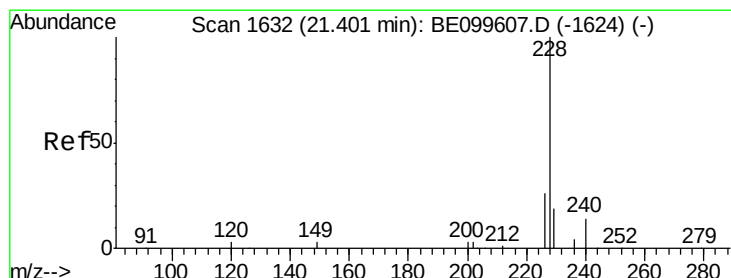
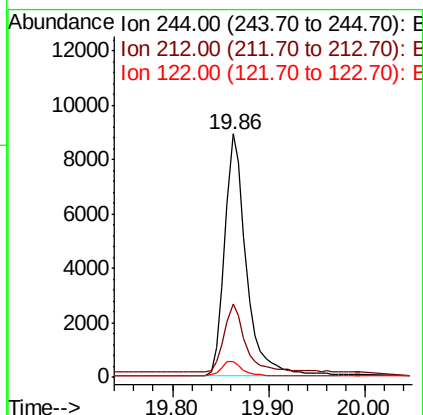
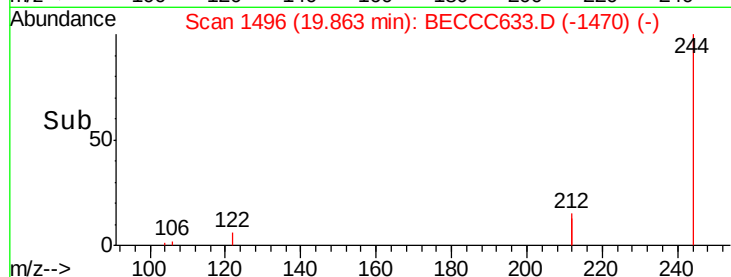
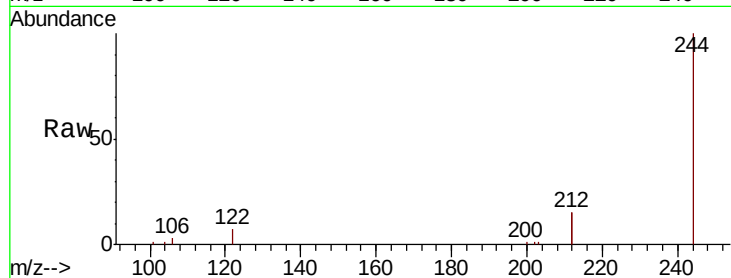
Tgt Ion:244 Resp: 14070

Ion Ratio Lower Upper

244 100

212 30.0 23.8 35.6

122 6.6 5.0 7.6



#30

Benzo(a)anthracene

Concen: 0.383 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

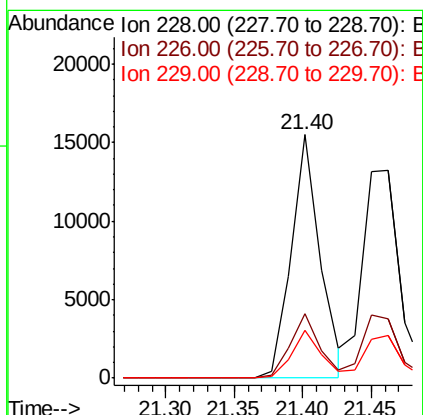
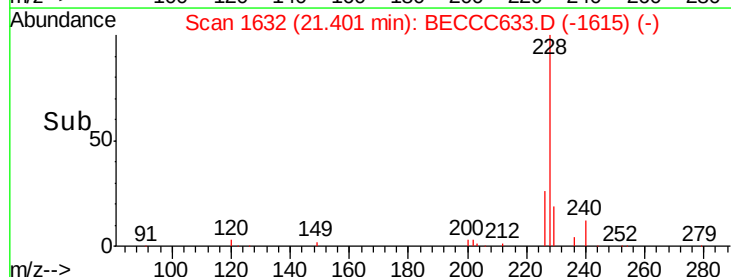
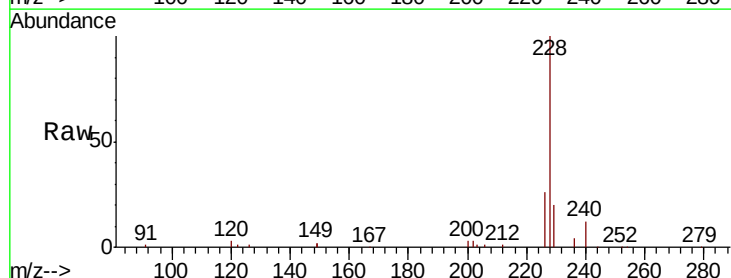
Tgt Ion:228 Resp: 22487

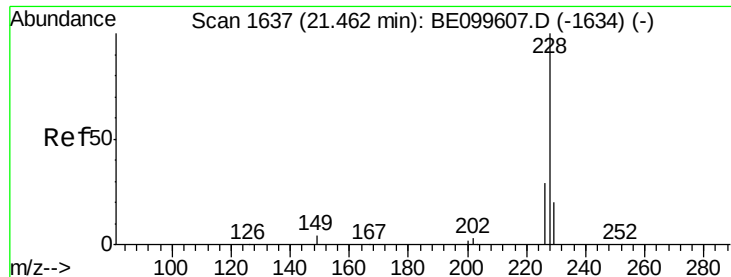
Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.2

229 19.7 15.8 23.8





#31

Chrysene

Concen: 0.405 ng

RT: 21.46 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

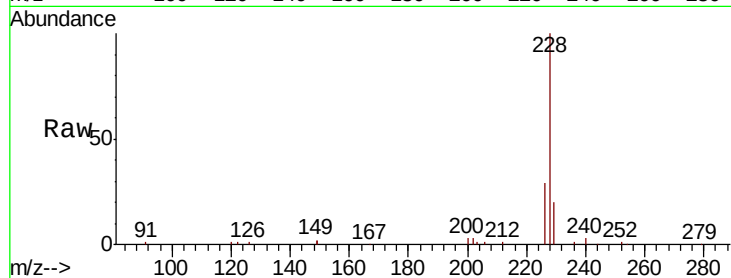
Tgt Ion:228 Resp: 24475

Ion Ratio Lower Upper

228 100

226 28.6 23.0 34.4

229 20.3 16.4 24.6

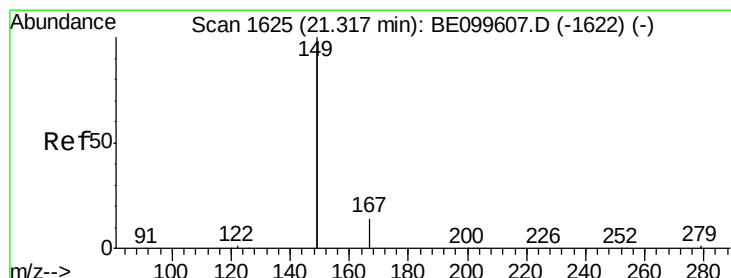
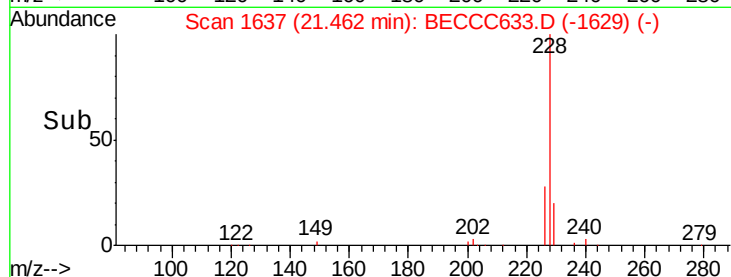
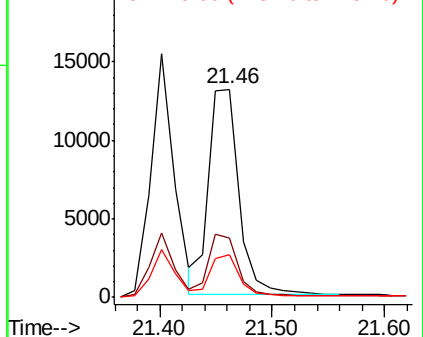


Abundance

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: 0.345 ng

RT: 21.32 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

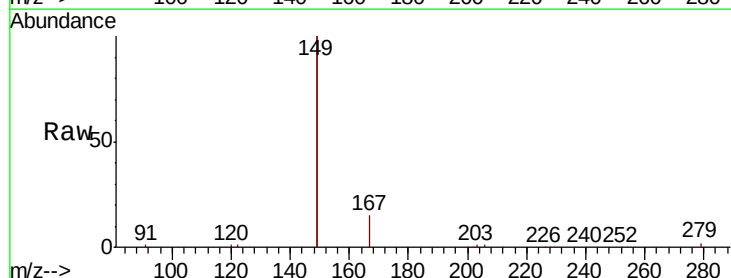
Tgt Ion:149 Resp: 31223

Ion Ratio Lower Upper

149 100

167 7.6 6.0 9.0

279 1.5 1.1 1.7

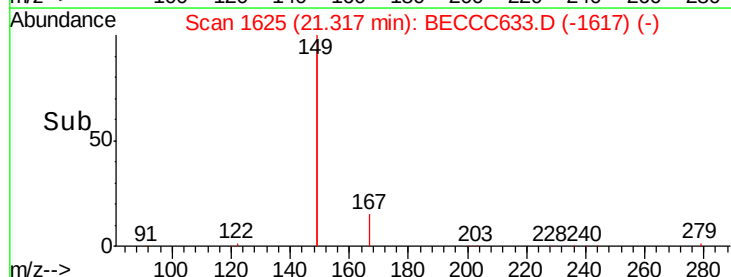
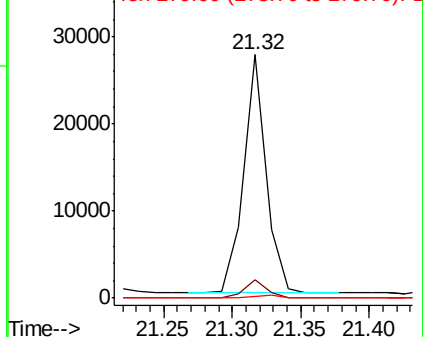


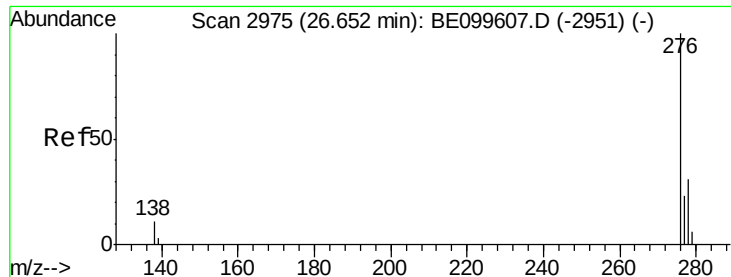
Abundance

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: 0.386 ng

RT: 26.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

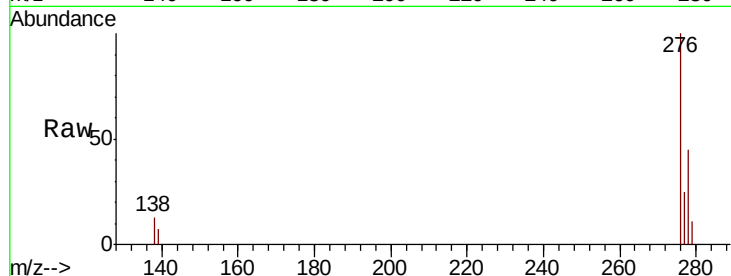
Tgt Ion:276 Resp: 29098

Ion Ratio Lower Upper

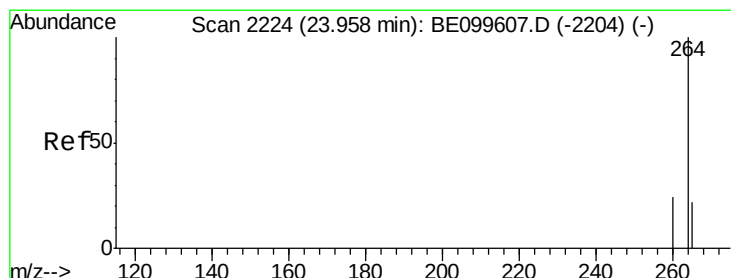
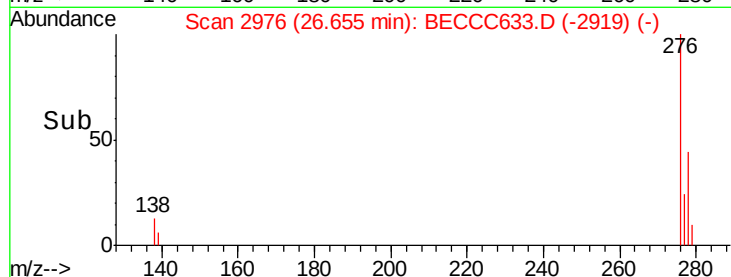
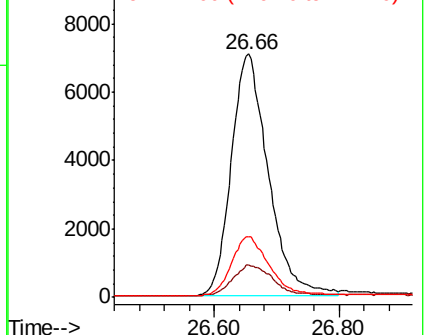
276 100

138 13.3 10.0 15.0

277 24.9 19.1 28.7



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# 2224

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

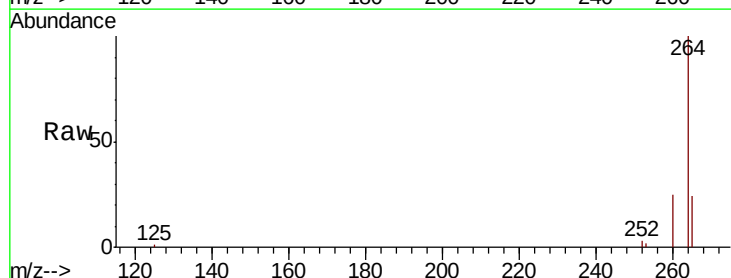
Tgt Ion:264 Resp: 23113

Ion Ratio Lower Upper

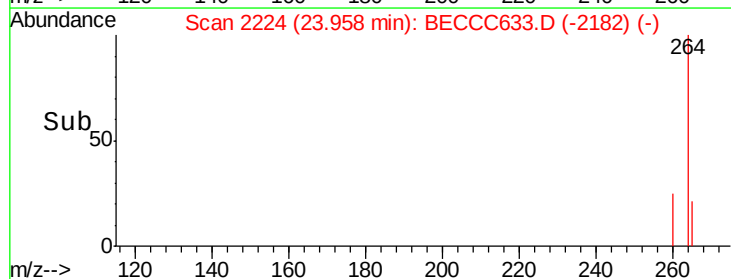
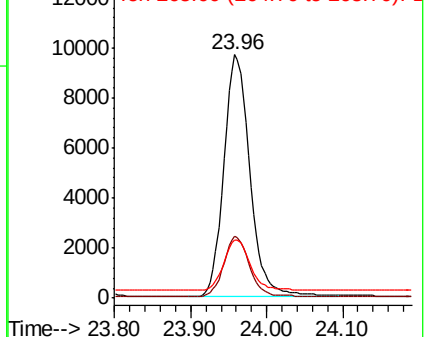
264 100

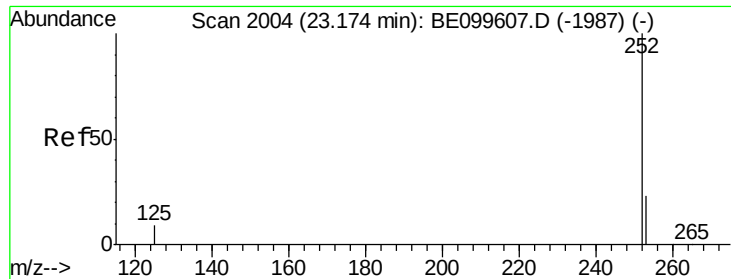
260 25.2 19.7 29.5

265 23.9 21.2 31.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.368 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

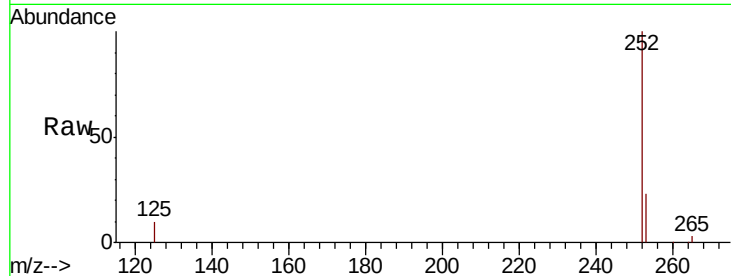
Tgt Ion:252 Resp: 23750

Ion Ratio Lower Upper

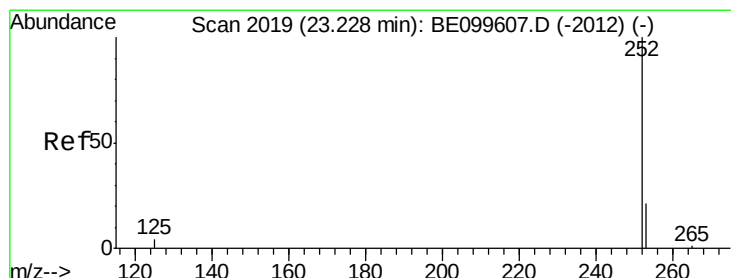
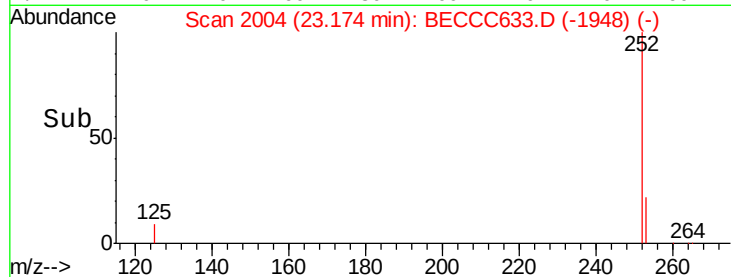
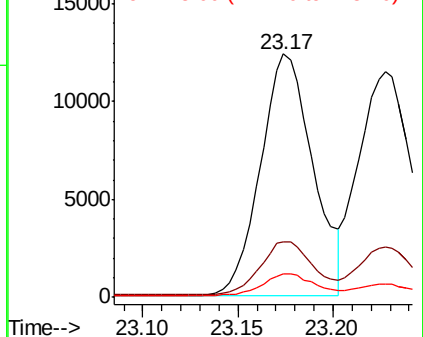
252 100

253 22.7 19.1 28.7

125 9.6 7.8 11.8



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: 0.365 ng

RT: 23.23 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

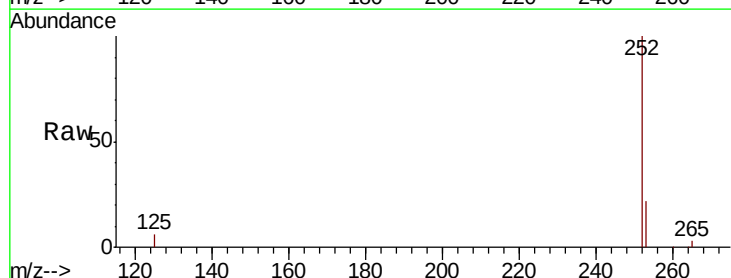
Tgt Ion:252 Resp: 23302

Ion Ratio Lower Upper

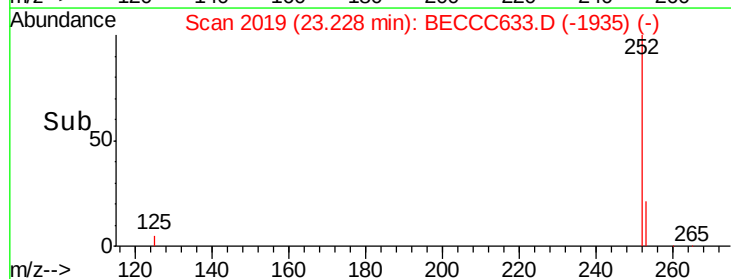
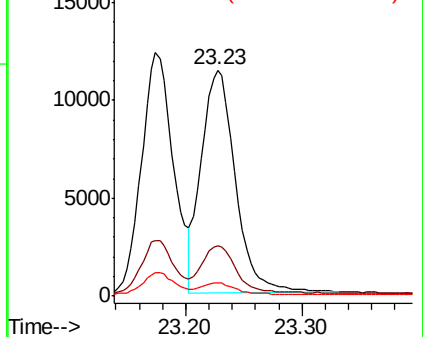
252 100

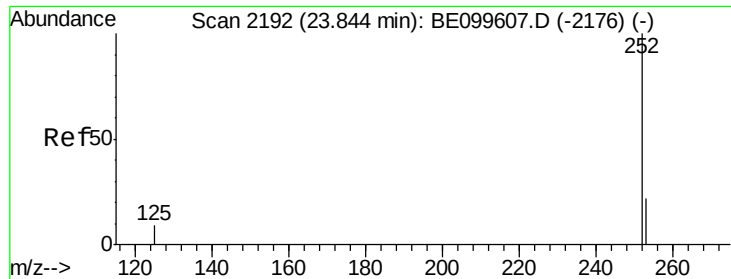
253 22.4 18.6 28.0

125 5.7 5.2 7.8



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: 0.361 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :

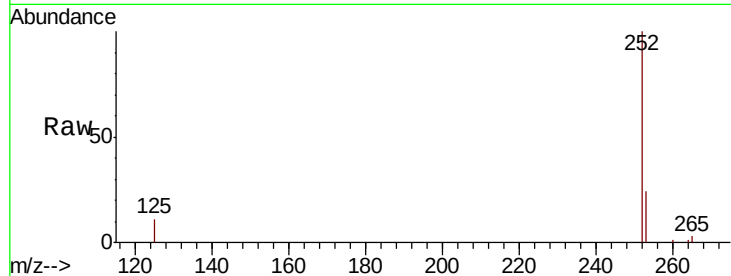
Tgt Ion:252 Resp: 22625

Ion Ratio Lower Upper

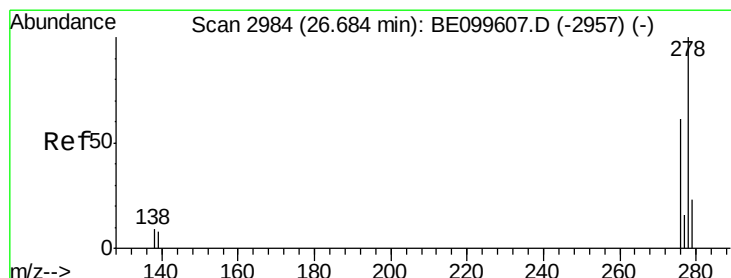
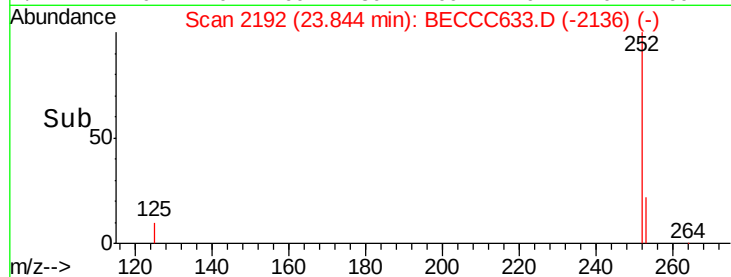
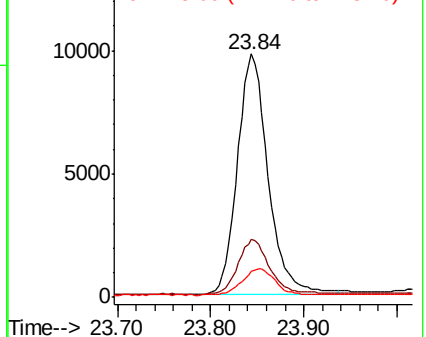
252 100

253 23.6 19.0 28.6

125 10.6 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: 0.365 ng

RT: 26.68 min Scan# 2984

Delta R.T. -0.00 min

Lab File: BECCC633.D

Acq: 16 May 2019 22:04

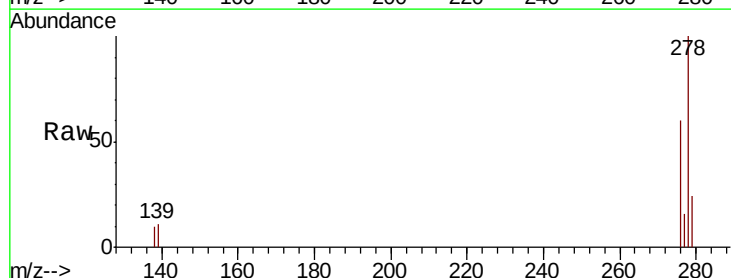
Tgt Ion:278 Resp: 23671

Ion Ratio Lower Upper

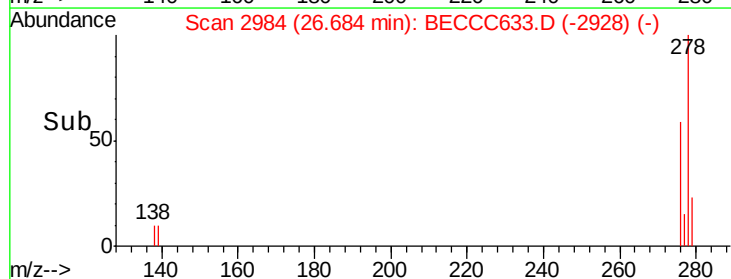
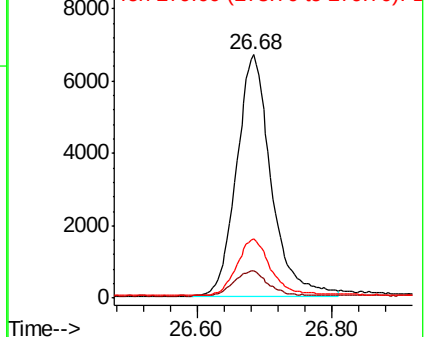
278 100

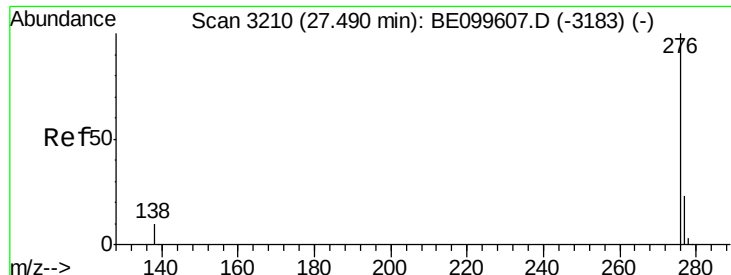
139 11.2 7.9 11.9

279 24.2 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(g,h,i)perylene

Concen: 0.372 ng

RT: 27.48 min Scan# 3208

Delta R.T. -0.01 min

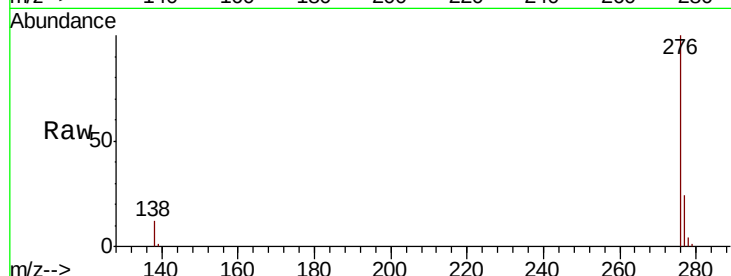
Lab File: BECCC633.D

Acq: 16 May 2019 22:04

Instrument :

BNA_E

ClientSampleId :



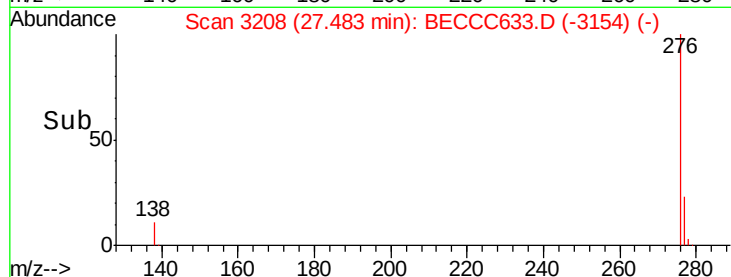
Tgt Ion: 276 Resp: 24287

Ion Ratio Lower Upper

276 100

277 23.7 19.3 28.9

138 11.5 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

