

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
 Data File : BE099643.D
 Acq On : 17 May 2019 9:37
 Operator : JU/SJ
 Sample : K2845-01MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FEBH-01MS

Quant Time: May 17 11:51:16 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	7.82	152	2250	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	7512	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	5044	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	13599	0.40	ng	0.00
27) Chrysene-d12	21.41	240	20400	0.40	ng	0.00
34) Perylene-d12	23.96	264	25099	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2139	0.33	ng	0.01
5) Phenol-d6	6.97	99	2891	0.36	ng	0.00
8) Nitrobenzene-d5	8.98	82	2528	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	5880	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1050	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	6859	0.35	ng	0.00
25) Fluoranthene-d10	19.26	212	64639	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	13667	0.37	ng	0.00

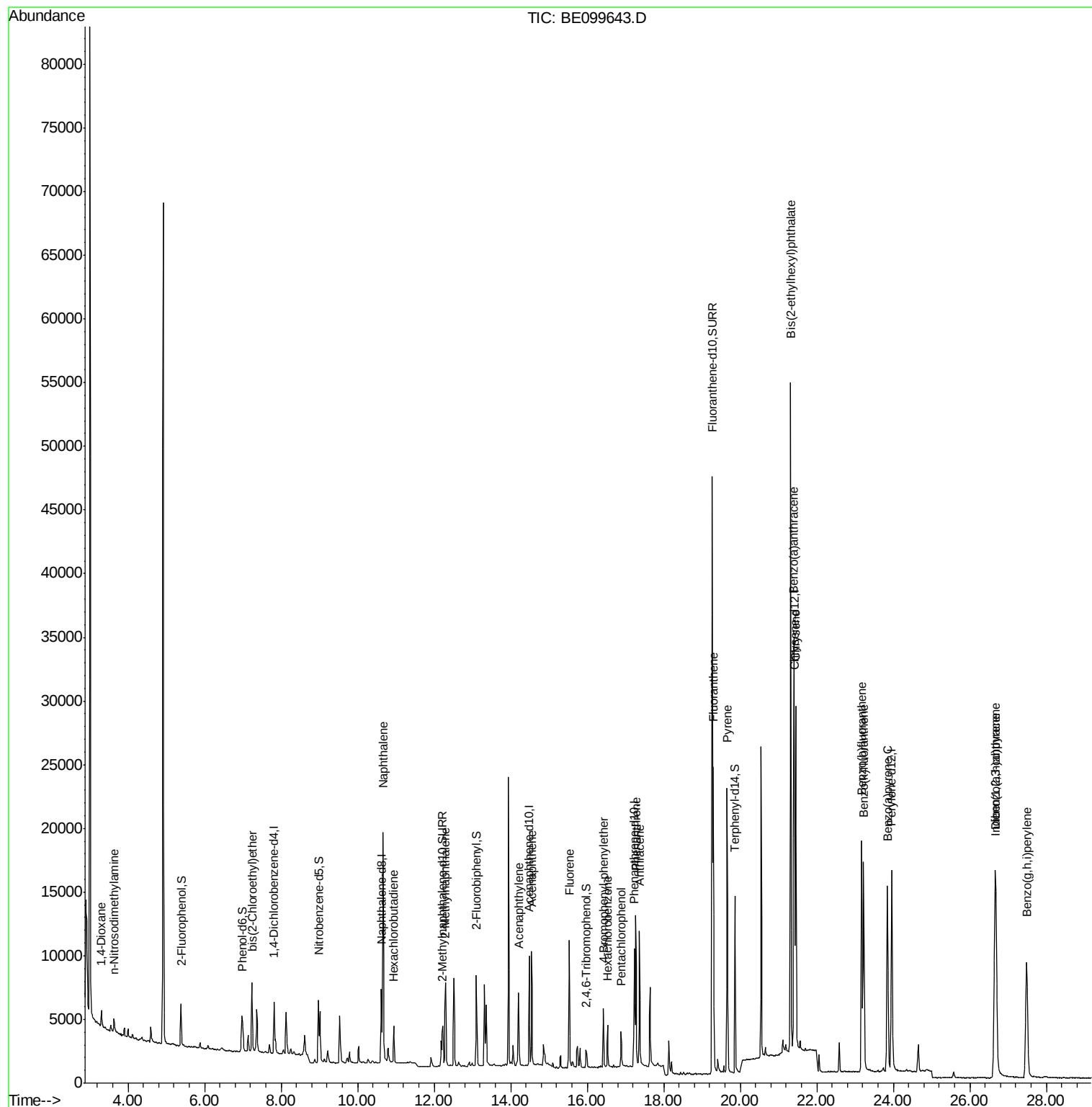
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	892	0.269	ng	# 46
3) n-Nitrosodimethylamine	3.62	42	552	0.261	ng	# 61
6) bis(2-Chloroethyl)ether	7.24	93	2537	0.373	ng	100
9) Naphthalene	10.67	128	30386	0.380	ng	99
10) Hexachlorobutadiene	10.94	225	2084	0.356	ng	97
12) 2-Methylnaphthalene	12.30	142	4932	0.374	ng	99
16) Acenaphthylene	14.21	152	8389	0.352	ng	99
17) Acenaphthene	14.54	154	4919	0.366	ng	99
18) Fluorene	15.53	166	6783	0.352	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	2808	0.358	ng	96
21) Hexachlorobenzene	16.53	284	2736	0.355	ng	99
22) Pentachlorophenol	16.88	266	1932	0.706	ng	93
23) Phenanthrene	17.27	178	13561	0.402	ng	99
24) Anthracene	17.36	178	11617	0.373	ng	99
26) Fluoranthene	19.29	202	21161	0.414	ng	99
28) Pyrene	19.66	202	22095	0.425	ng	99
30) Benzo(a)anthracene	21.40	228	25264	0.410	ng	98
31) Chrysene	21.45	228	24771	0.390	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	56106	0.590	ng	100
33) Indeno(1,2,3-cd)pyrene	26.66	276	29395	0.372	ng	99
35) Benzo(b)fluoranthene	23.17	252	25423	0.362	ng	# 91
36) Benzo(k)fluoranthene	23.23	252	25666	0.370	ng	99
37) Benzo(a)pyrene	23.84	252	25359	0.373	ng	# 96
38) Dibenzo(a,h)anthracene	26.68	278	24642	0.350	ng	99
39) Benzo(g,h,i)perylene	27.49	276	25108	0.354	ng	99

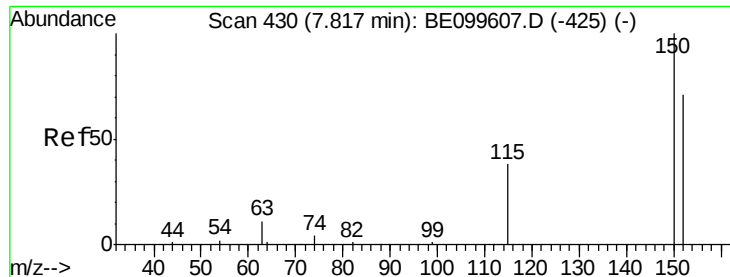
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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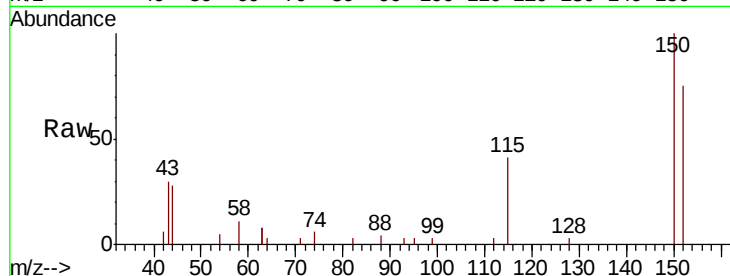


#1

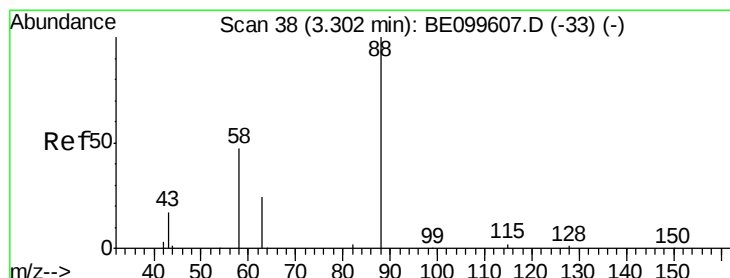
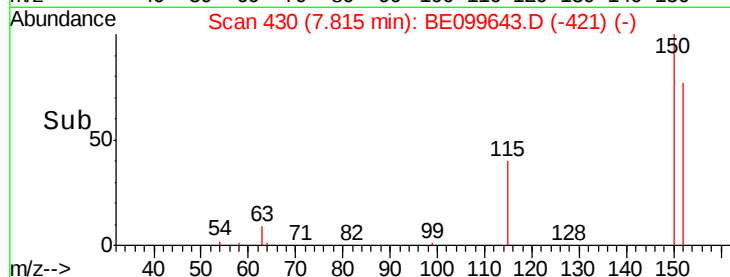
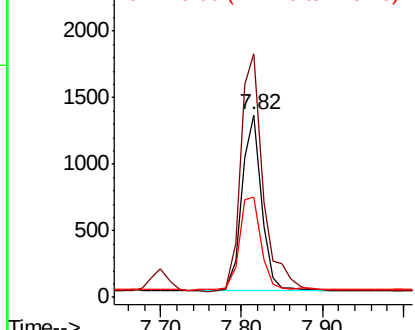
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tot Ion:152 Resp: 2250
Ion Ratio Lower Upper
152 100
150 133.2 110.1 165.1
115 54.7 46.2 69.4



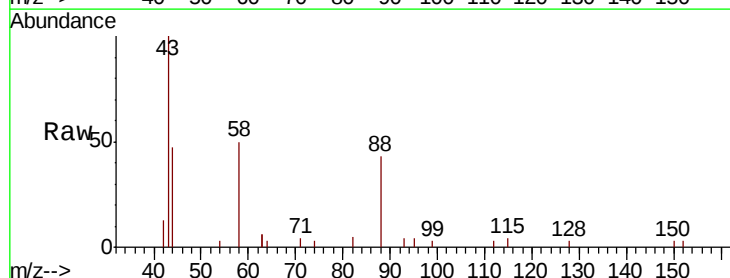
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



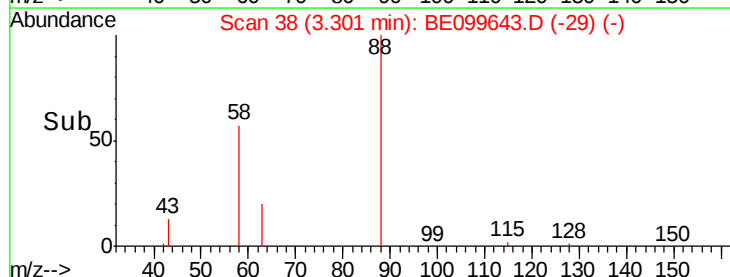
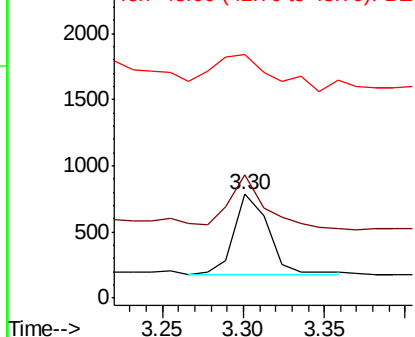
#2

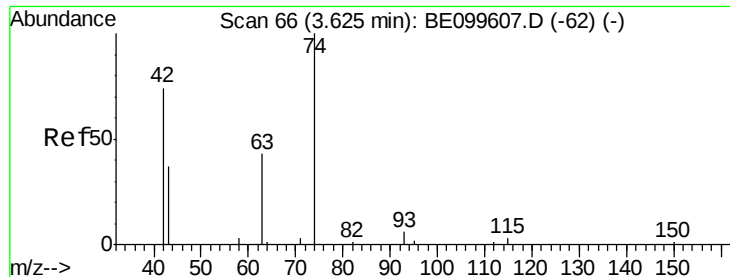
1,4-Dioxane
Concen: 0.269 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion: 88 Resp: 892
Ion Ratio Lower Upper
88 100
58 67.0 39.8 59.6#
43 81.4 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: 0.261 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampled :

FEBH-01MS

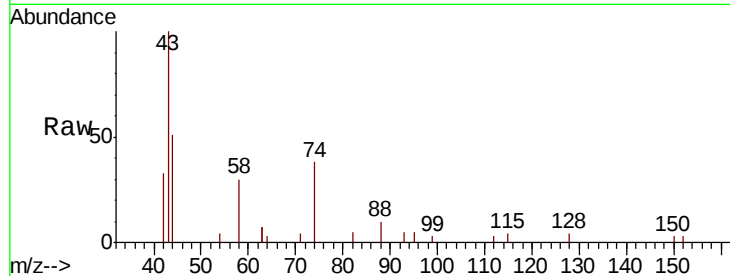
Tot Ion: 42 Resp: 552

Ion Ratio Lower Upper

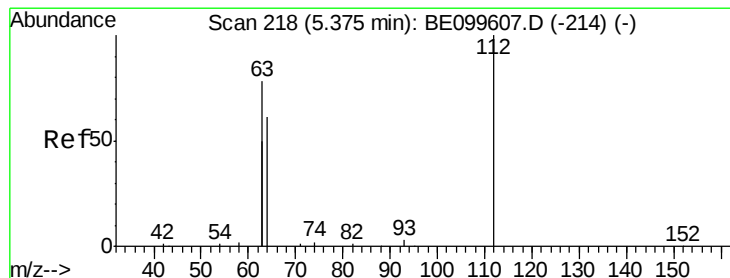
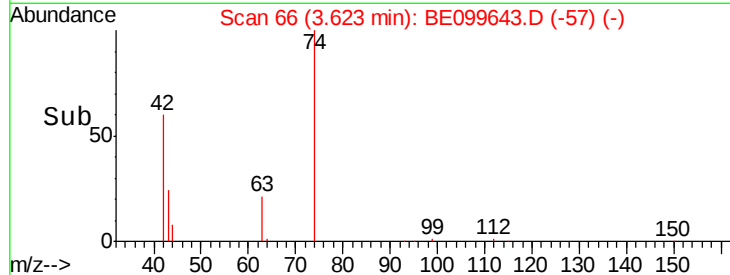
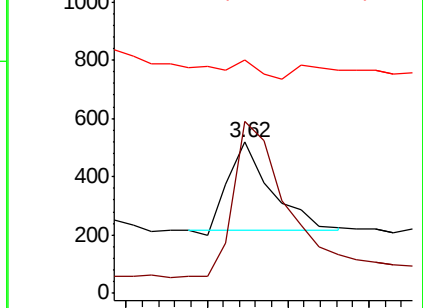
42 100

74 222.1 134.7 202.1#

44 0.0 12.5 18.7#



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



#4

2-Fluorophenol

Concen: 0.335 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.01 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

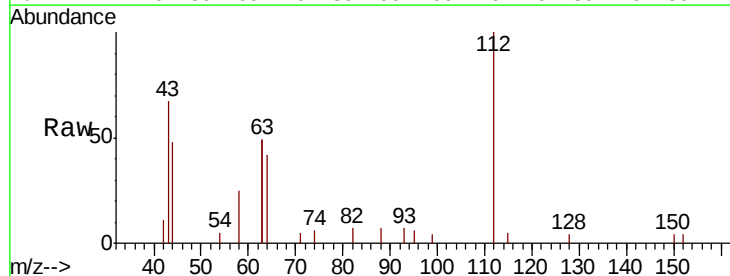
Tgt Ion: 112 Resp: 2139

Ion Ratio Lower Upper

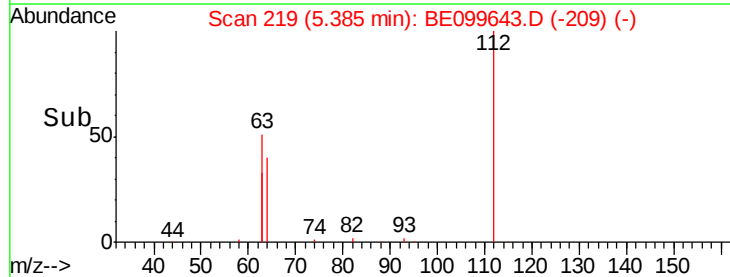
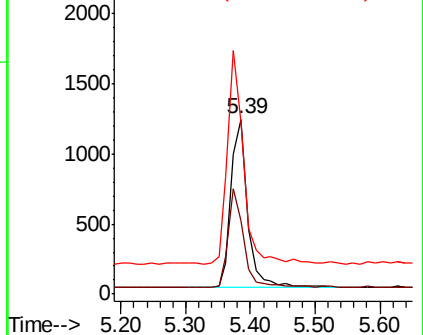
112 100

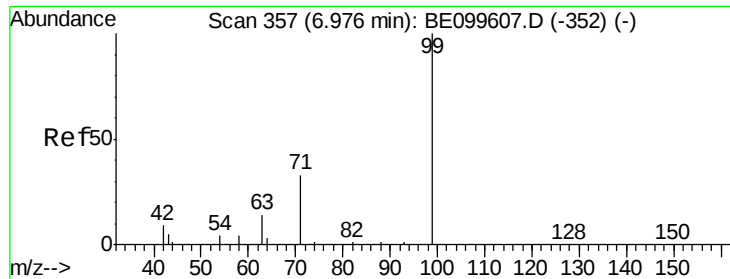
64 55.9 43.7 65.5

63 124.1 94.0 141.0



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: 0.357 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

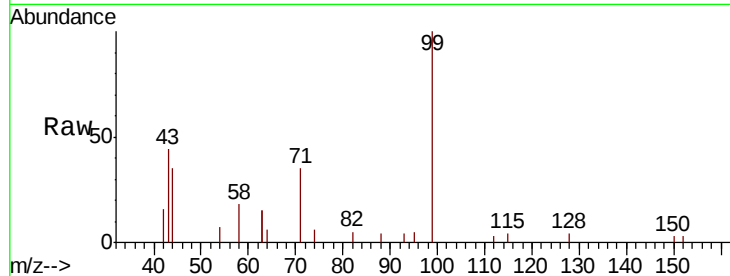
Tot Ion: 99 Resp: 2891

Ion Ratio Lower Upper

99 100

42 16.3 14.3 21.5

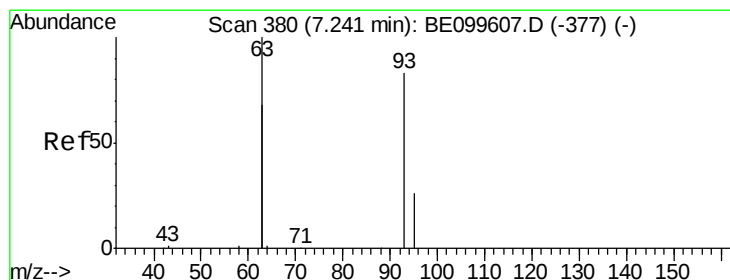
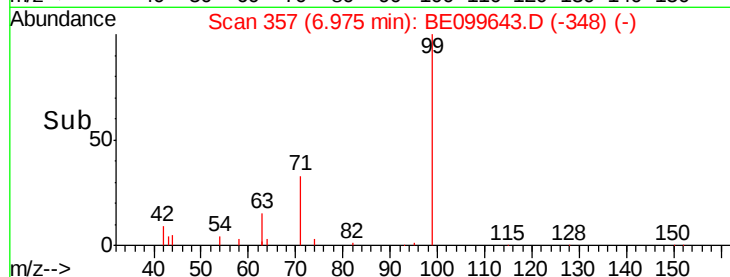
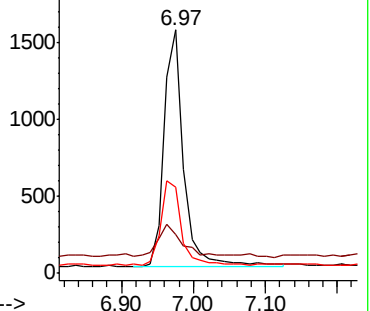
71 36.6 33.1 49.7



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: 0.373 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

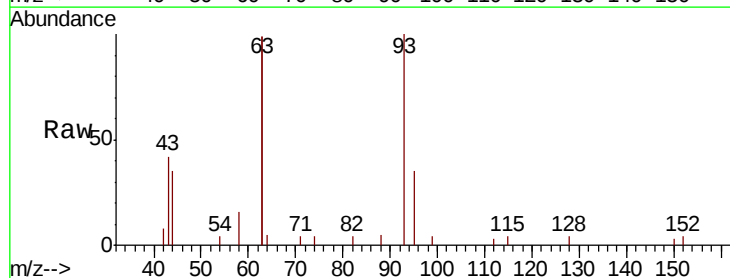
Tgt Ion: 93 Resp: 2537

Ion Ratio Lower Upper

93 100

63 250.5 201.0 301.4

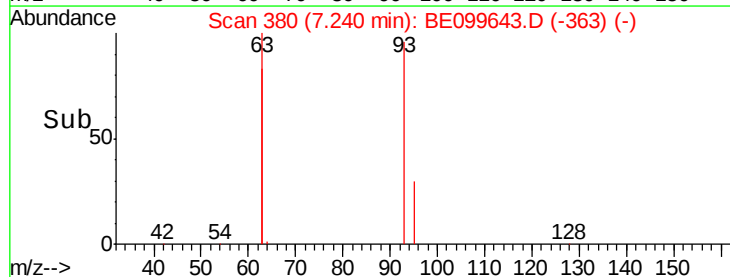
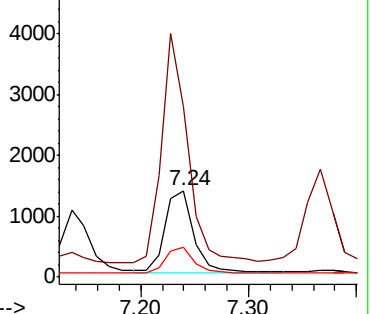
95 31.8 25.0 37.4

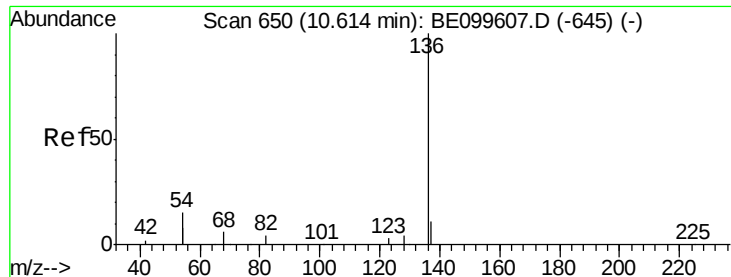


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

Tot Ion:136 Resp: 7512

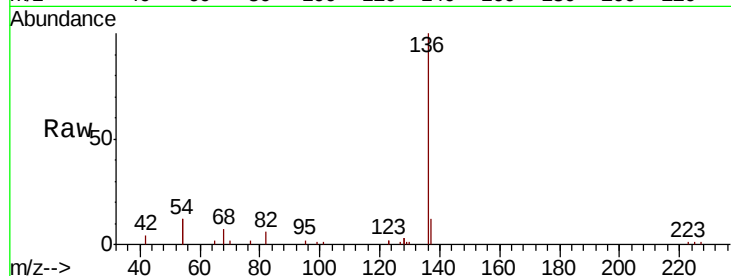
Ion Ratio Lower Upper

136 100

137 11.7 9.7 14.5

54 23.3 23.8 35.8#

68 7.0 6.2 9.2

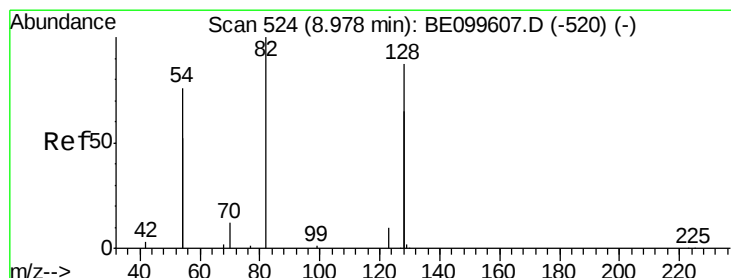
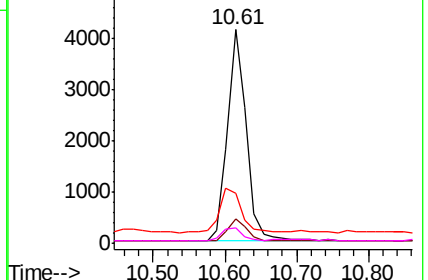
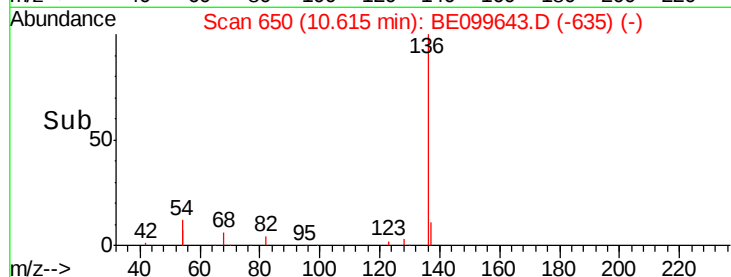


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.348 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

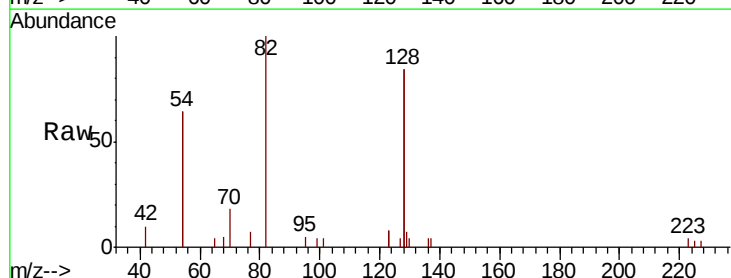
Tgt Ion: 82 Resp: 2528

Ion Ratio Lower Upper

82 100

128 167.3 131.4 197.2

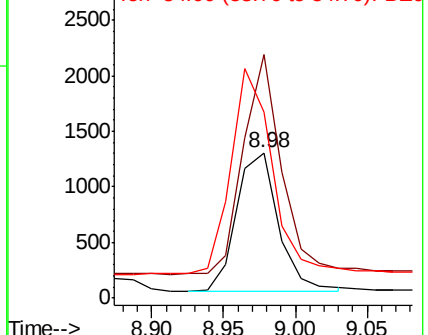
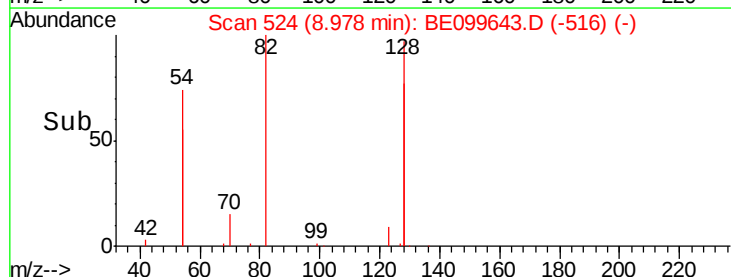
54 127.9 113.9 170.9

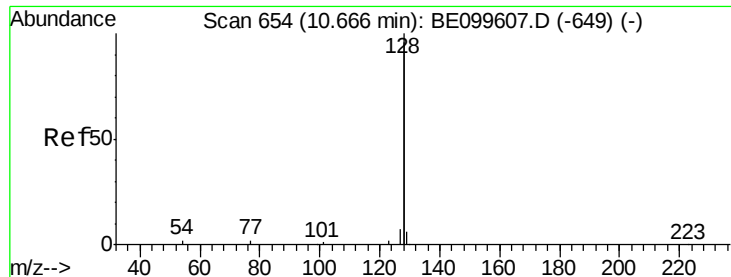


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.380 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

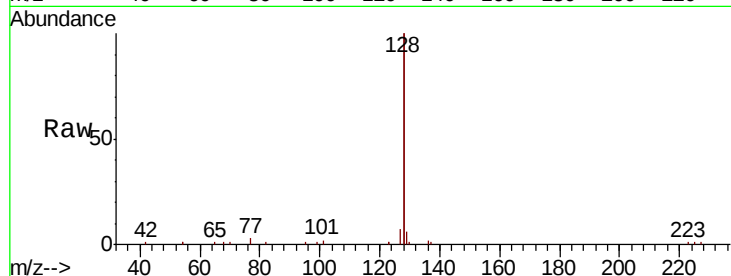
Tot Ion:128 Resp: 30386

Ion Ratio Lower Upper

128 100

129 2.9 2.6 4.0

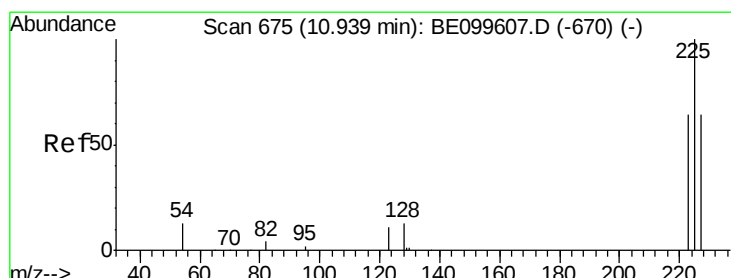
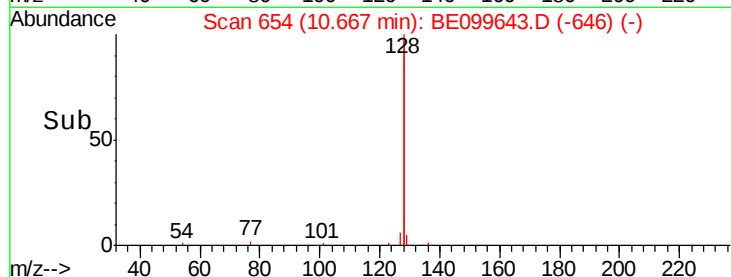
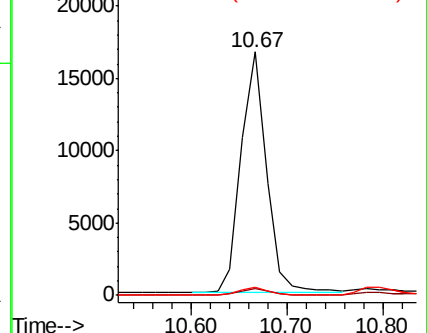
127 3.4 3.0 4.6



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: 0.356 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

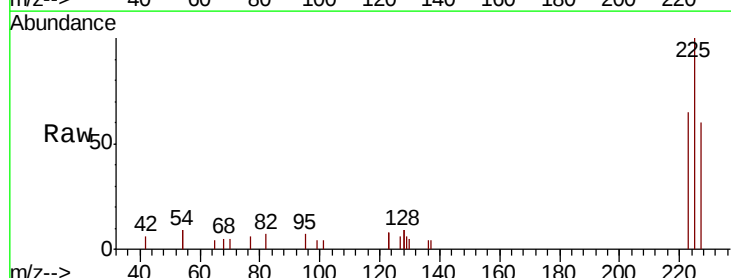
Tgt Ion:225 Resp: 2084

Ion Ratio Lower Upper

225 100

223 63.6 49.8 74.8

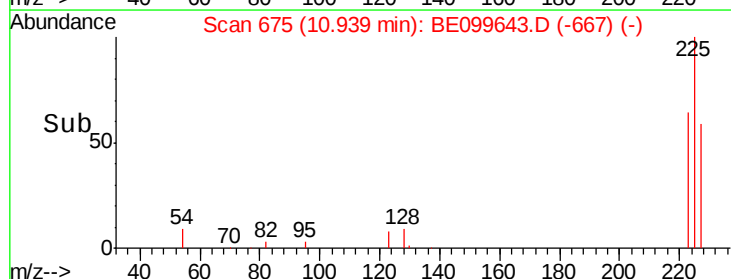
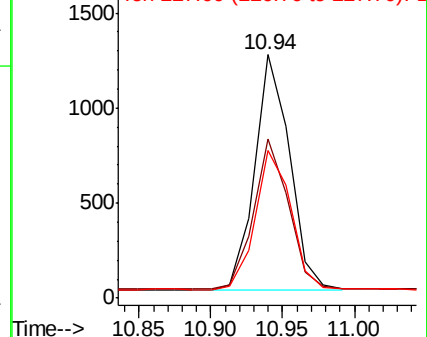
227 60.7 51.2 76.8

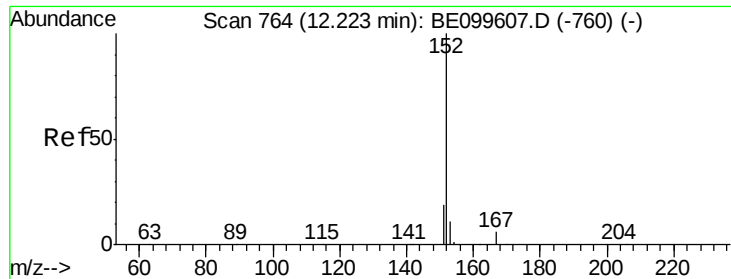


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

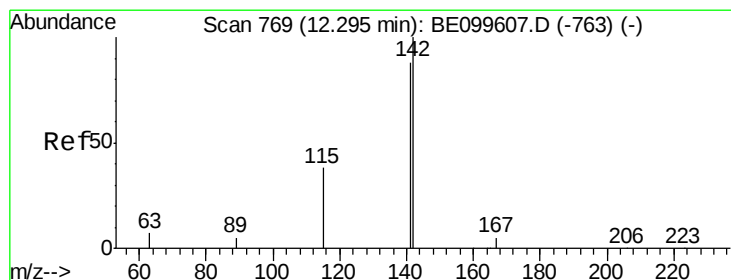
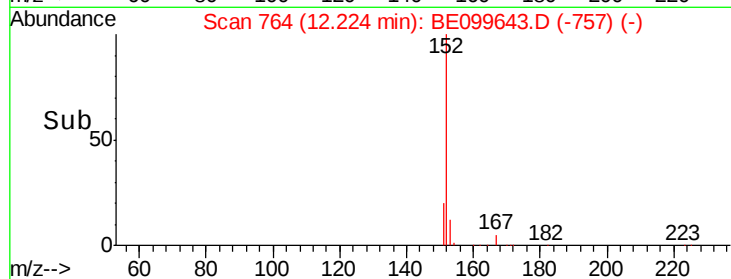
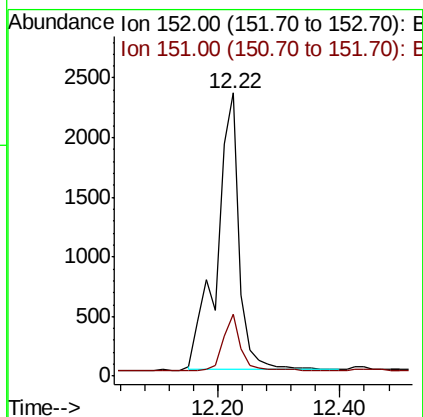
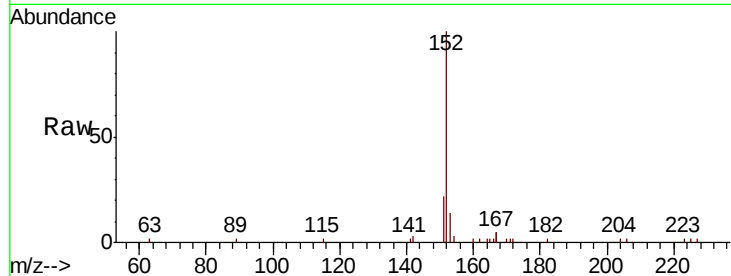




#11
 2-Methylnaphthalene-d10
 Concen: 0.465 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099643.D
 Acq: 17 May 2019 9:37

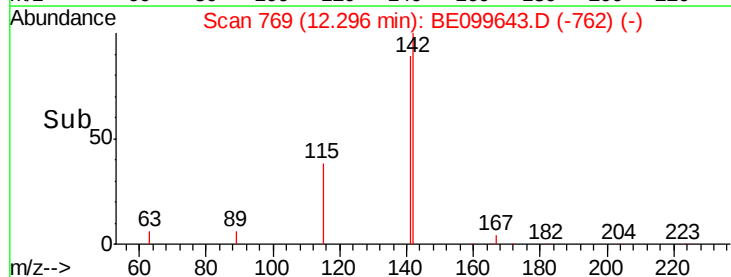
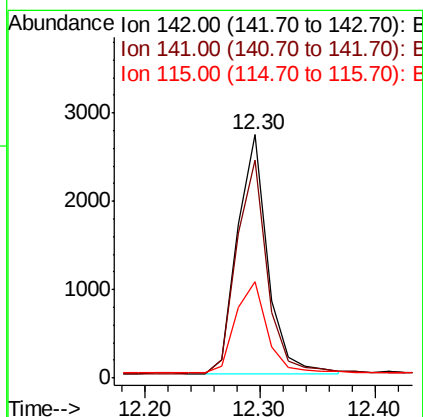
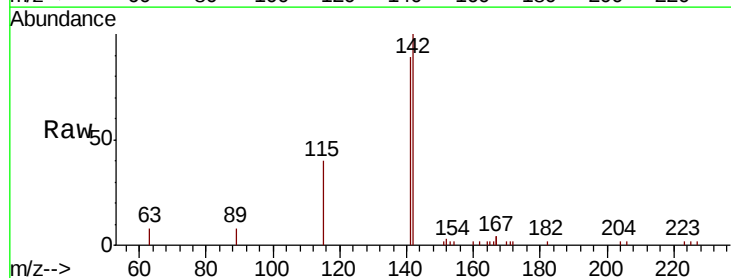
Instrument :
 BNA_E
 ClientSampleId :
 FEBH-01MS

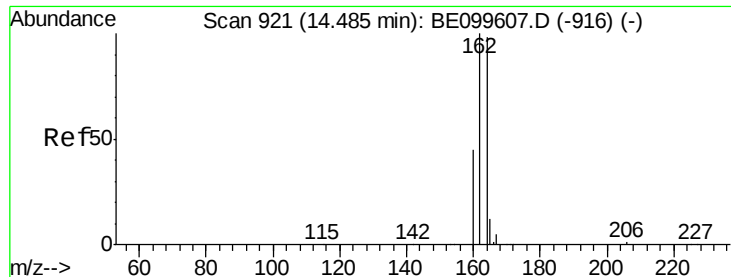
Tot Ion:152 Resp: 5880
 Ion Ratio Lower Upper
 152 100
 151 16.0 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.374 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099643.D
 Acq: 17 May 2019 9:37

Tgt Ion:142 Resp: 4932
 Ion Ratio Lower Upper
 142 100
 141 89.4 70.4 105.6
 115 39.7 32.2 48.4

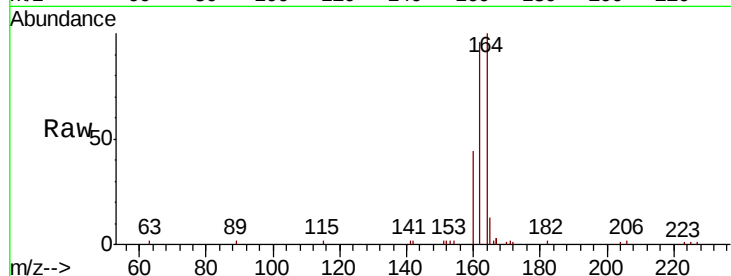




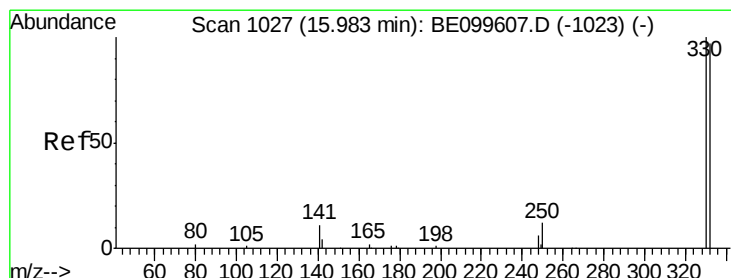
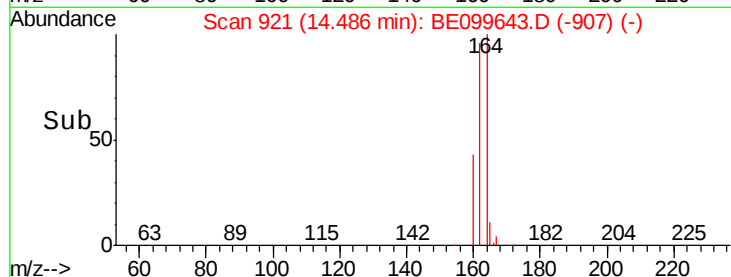
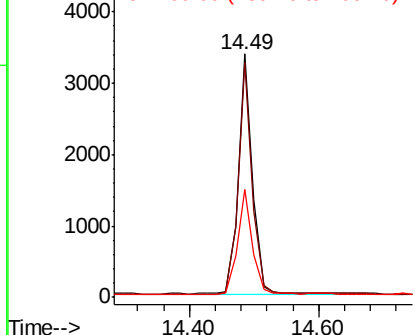
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

Tot Ion:164 Resp: 5044
Ion Ratio Lower Upper
164 100
162 96.2 81.4 122.0
160 44.2 37.4 56.2

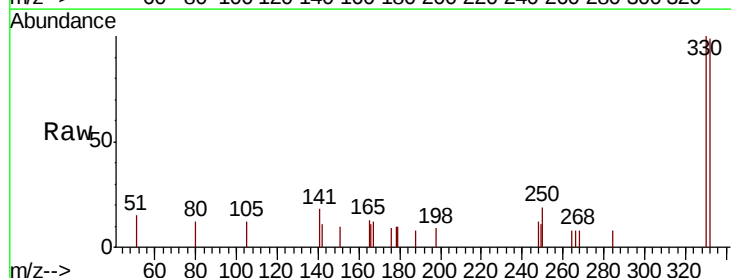


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

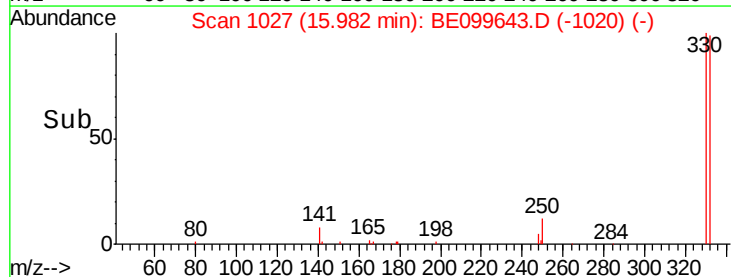
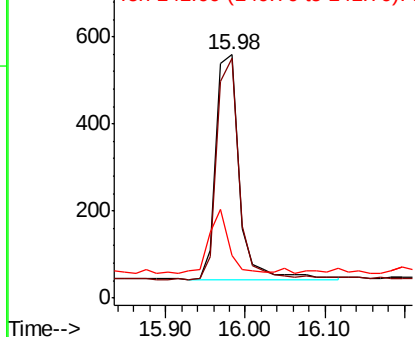


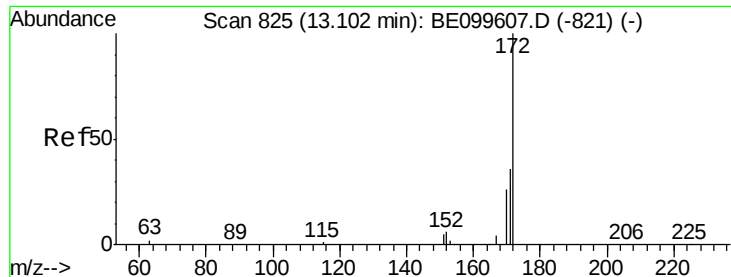
#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:330 Resp: 1050
Ion Ratio Lower Upper
330 100
332 94.3 73.8 110.8
141 24.1 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

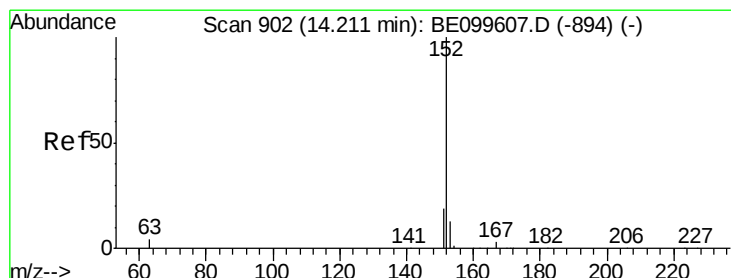
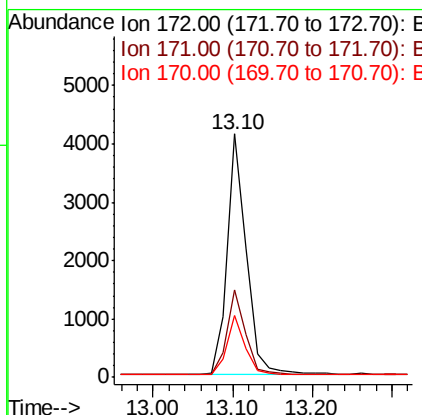
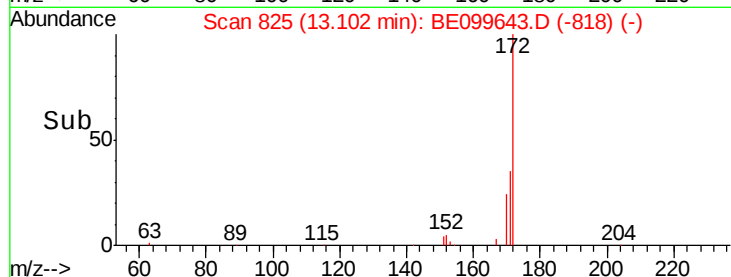
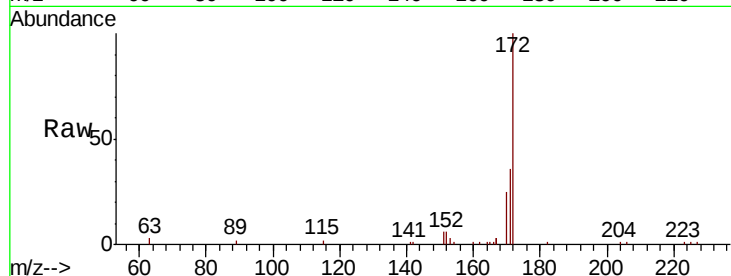




#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

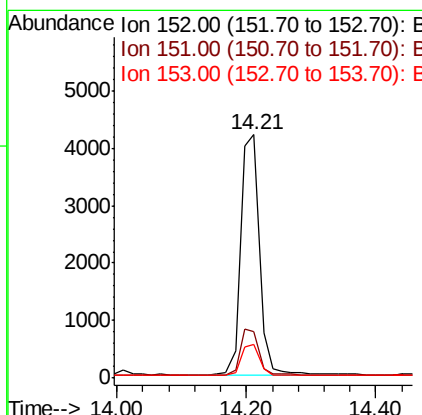
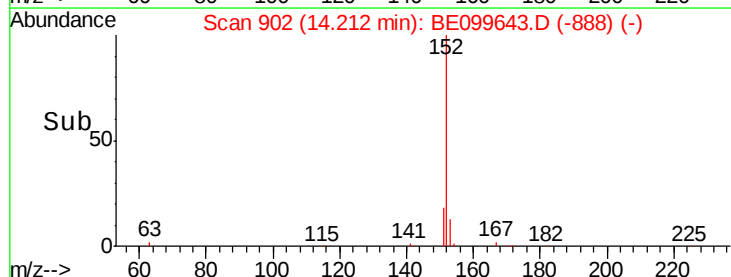
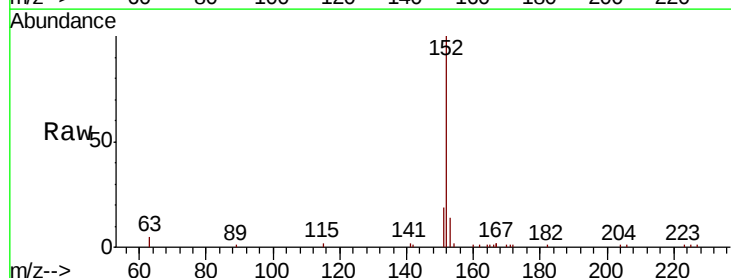
Instrument :
BNA_E
ClientSampleId :
FEBH-01MS

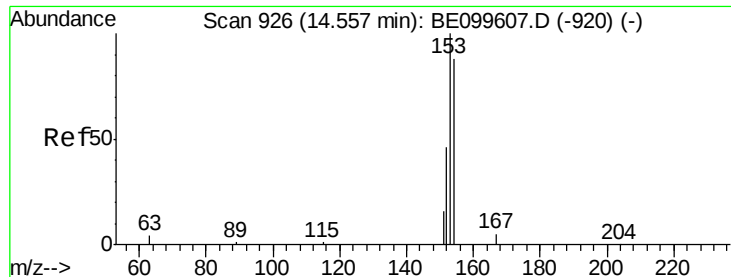
Tot Ion:172 Resp: 6859
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.2
170 25.2 21.5 32.3



#16
Acenaphthylene
Concen: 0.352 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099643.D
Acq: 17 May 2019 9:37

Tgt Ion:152 Resp: 8389
Ion Ratio Lower Upper
152 100
151 19.1 15.6 23.4
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 0.366 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

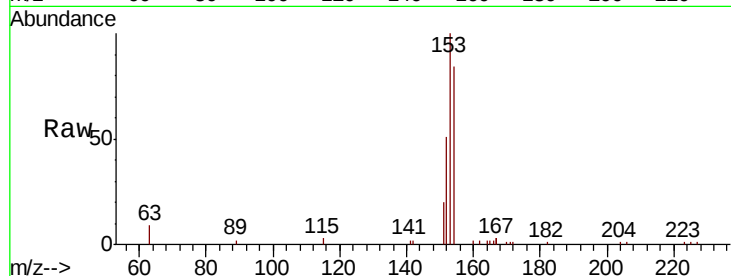
Tot Ion:154 Resp: 4919

Ion Ratio Lower Upper

154 100

153 116.7 94.1 141.1

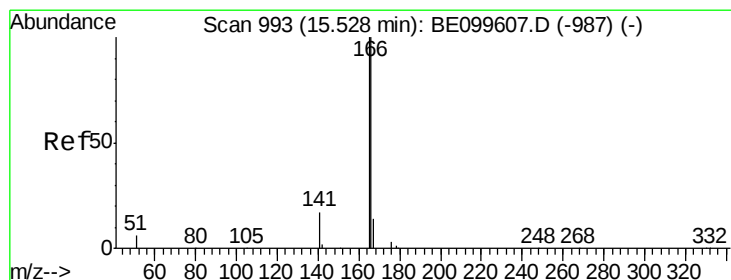
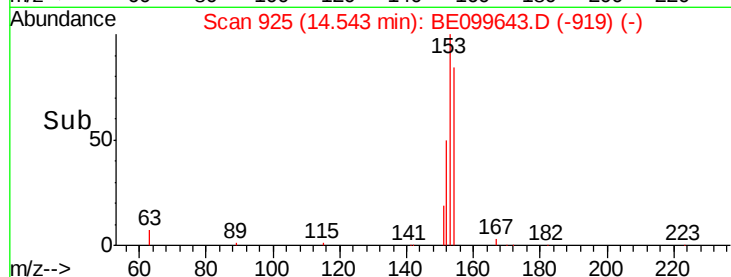
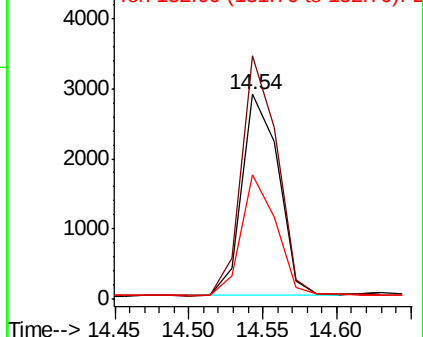
152 57.0 46.5 69.7



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: 0.352 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

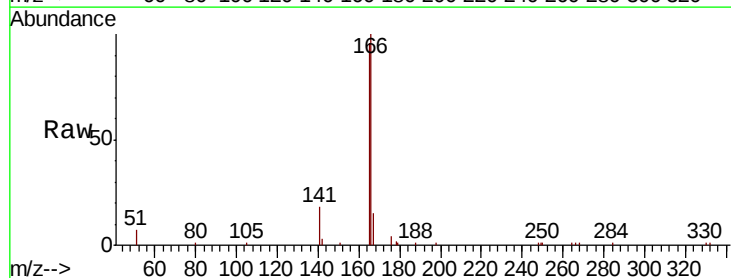
Tgt Ion:166 Resp: 6783

Ion Ratio Lower Upper

166 100

165 99.5 79.8 119.8

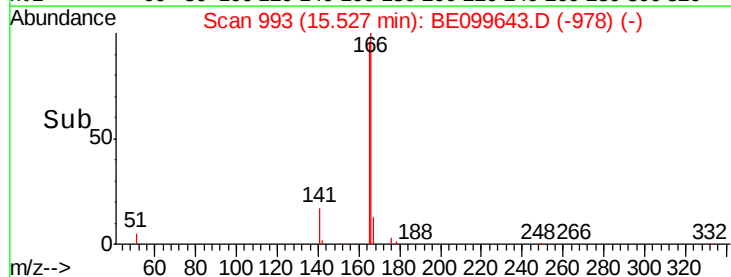
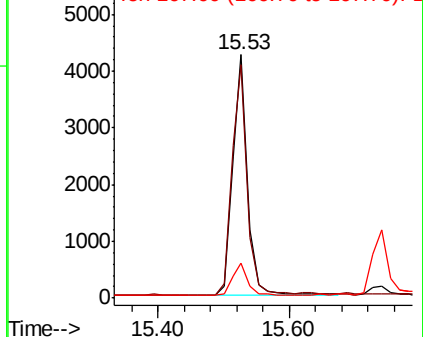
167 13.7 11.2 16.8

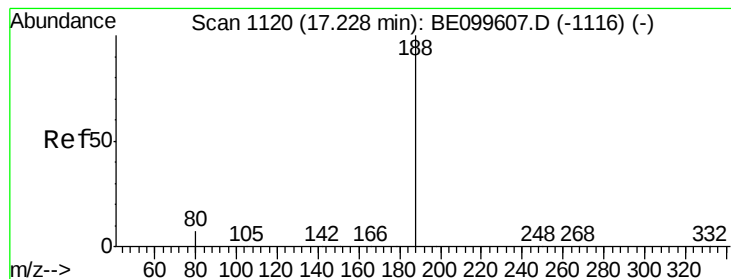


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

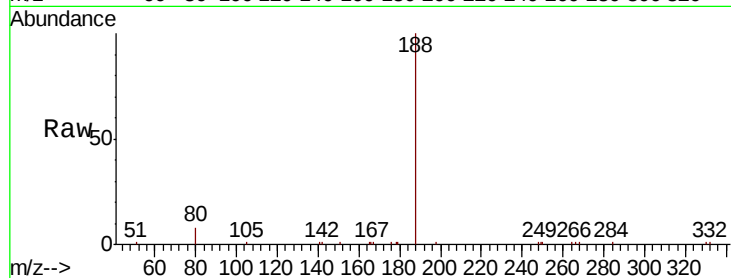
Tot Ion:188 Resp: 13599

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

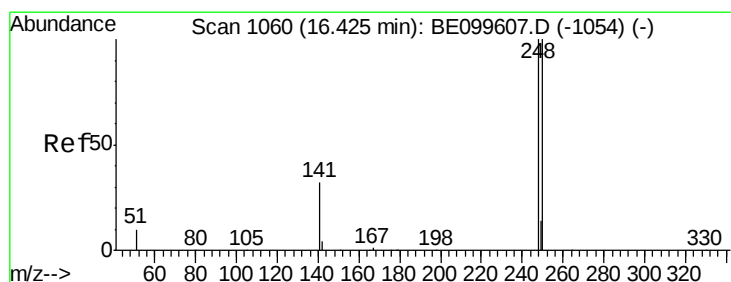
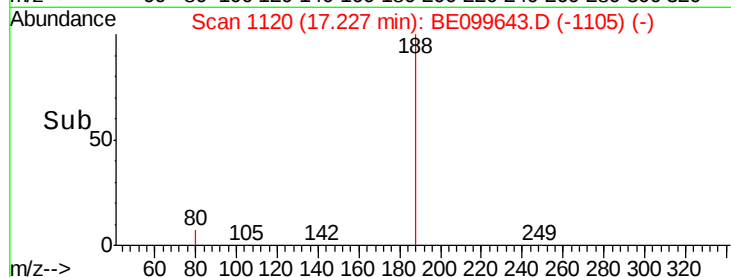
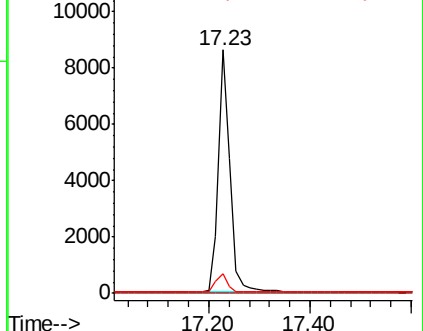
80 7.8 6.4 9.6



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: 0.358 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

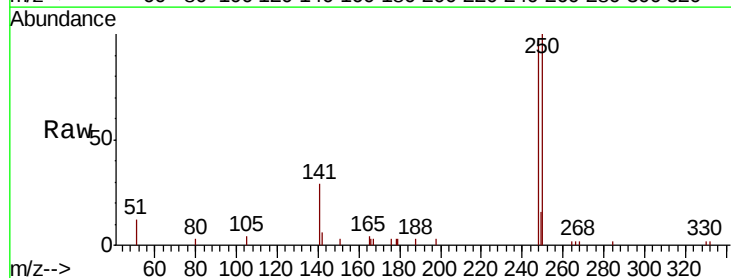
Tgt Ion:248 Resp: 2808

Ion Ratio Lower Upper

248 100

250 103.4 80.4 120.6

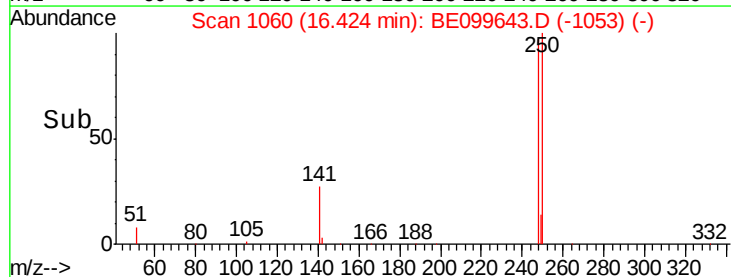
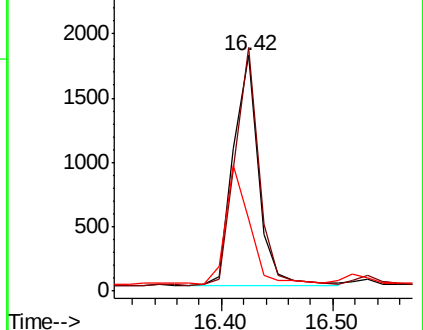
141 30.4 27.8 41.8

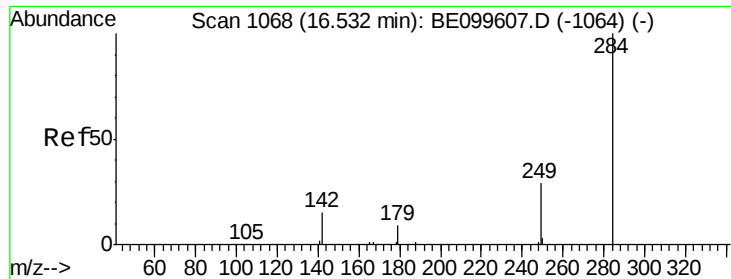


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.355 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

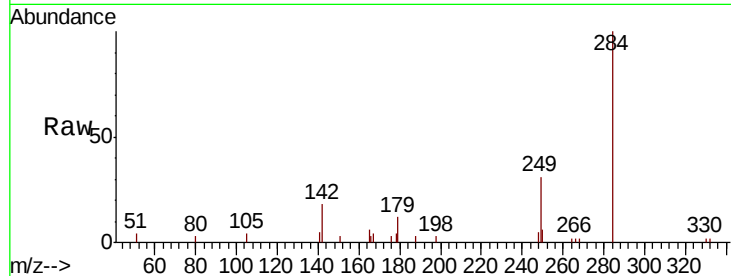
Tot Ion:284 Resp: 2736

Ion Ratio Lower Upper

284 100

142 24.6 19.4 29.2

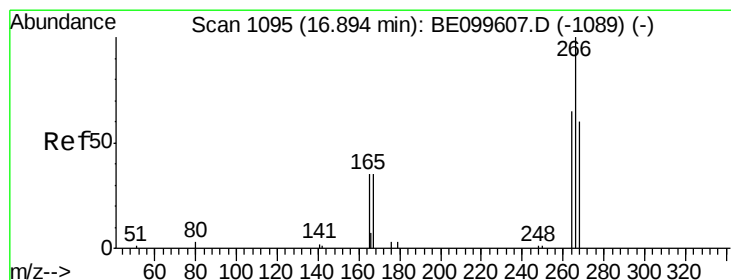
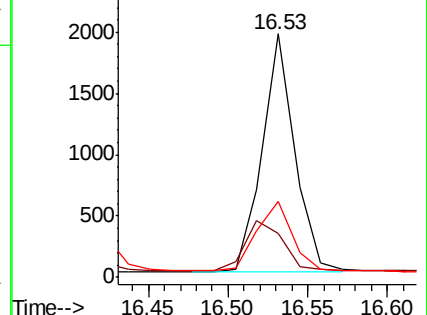
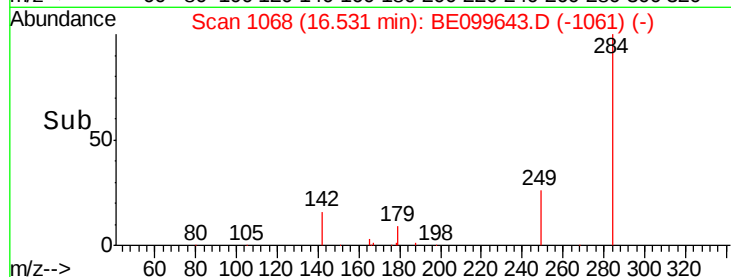
249 31.9 24.6 37.0



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: 0.706 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

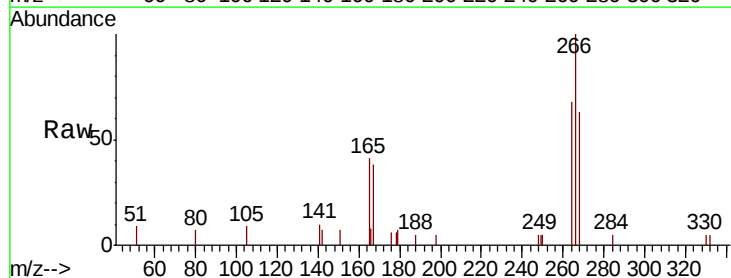
Tgt Ion:266 Resp: 1932

Ion Ratio Lower Upper

266 100

264 68.0 57.7 86.5

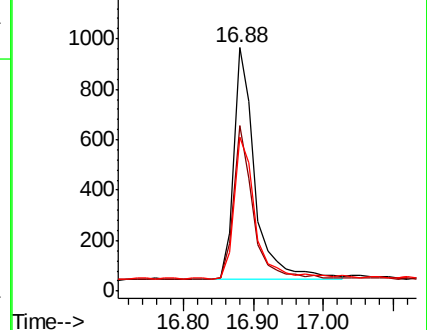
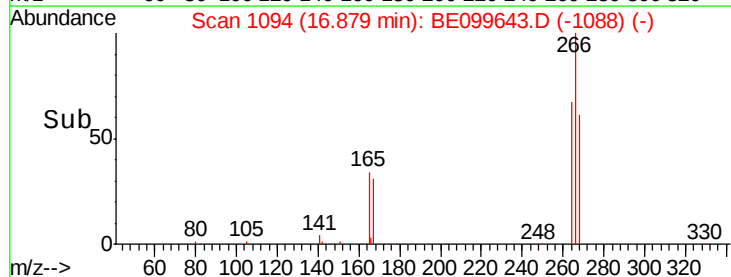
268 63.0 55.8 83.8

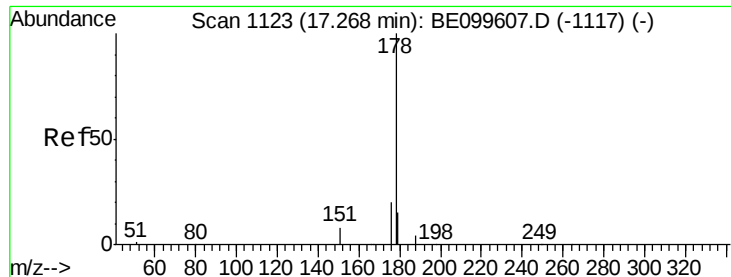


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.402 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

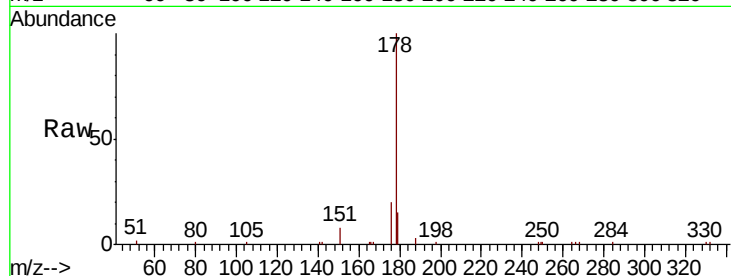
Tot Ion:178 Resp: 13561

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

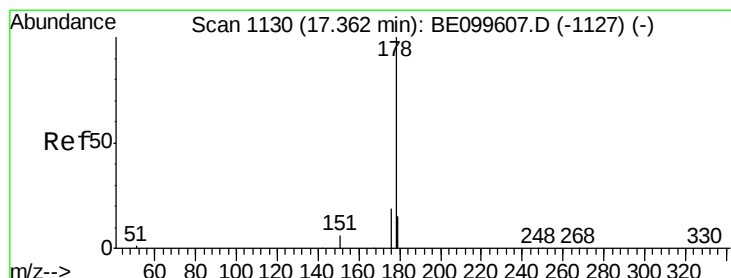
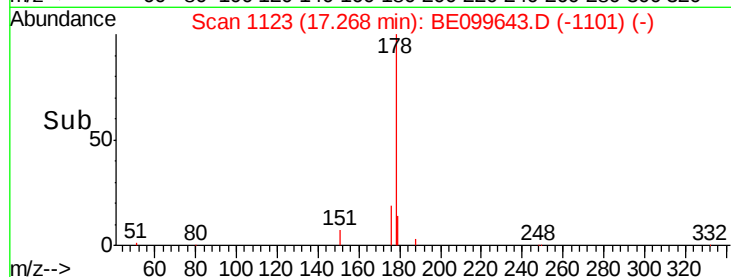
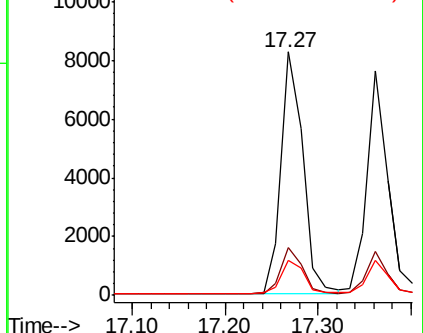
179 15.2 12.2 18.2



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: 0.373 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

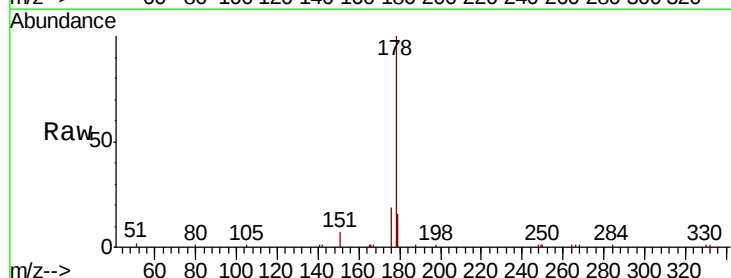
Tgt Ion:178 Resp: 11617

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

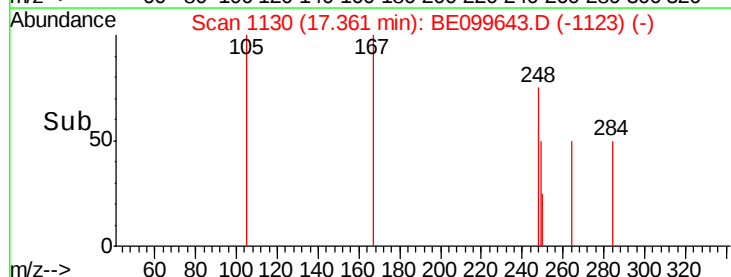
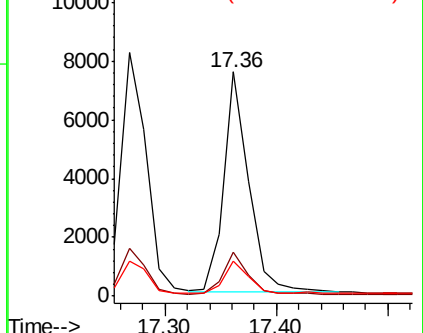
179 14.8 12.1 18.1

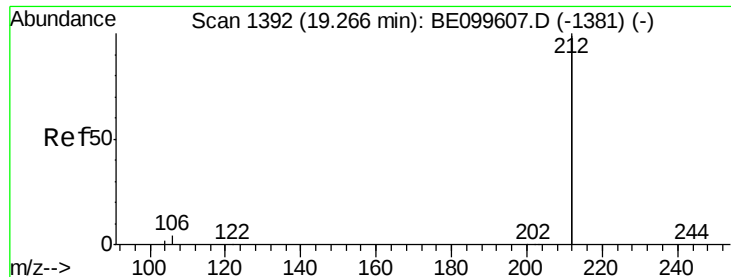


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

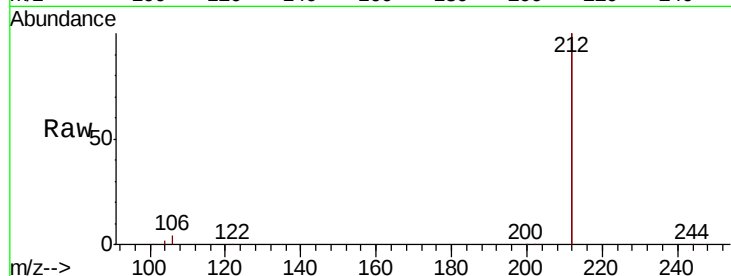
Tot Ion:212 Resp: 64639

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

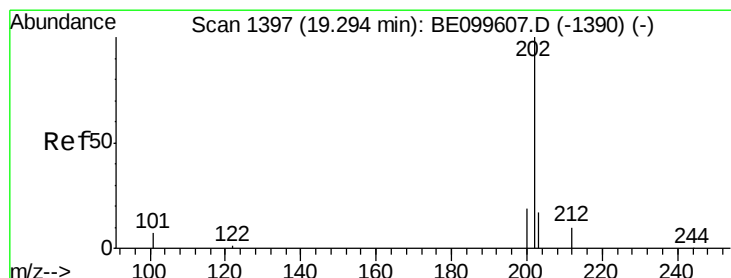
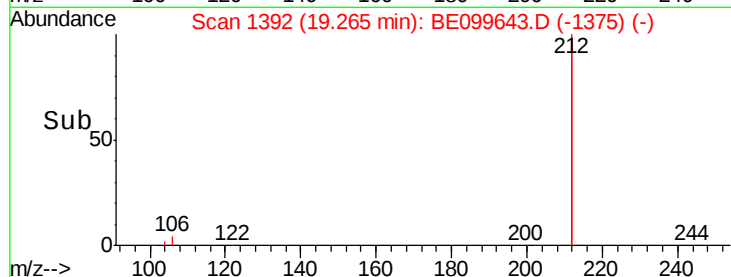
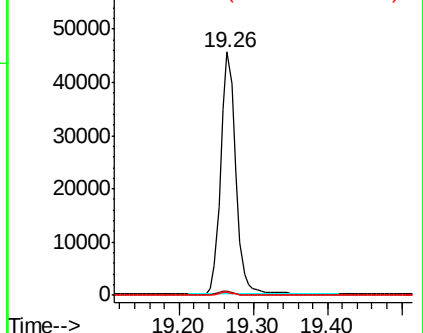
104 1.1 0.9 1.3



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: 0.414 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

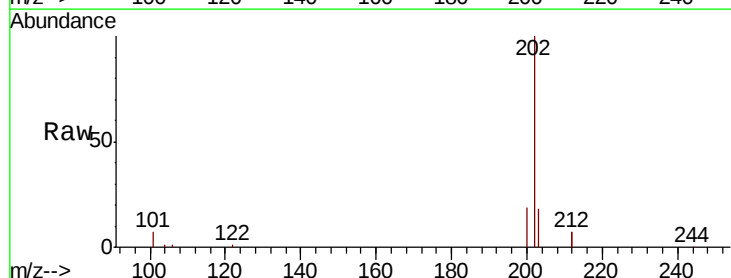
Tgt Ion:202 Resp: 21161

Ion Ratio Lower Upper

202 100

101 7.1 5.0 7.6

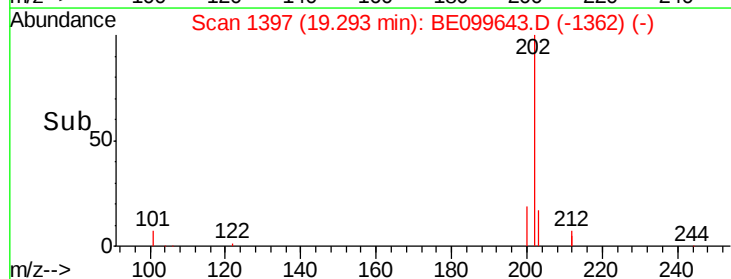
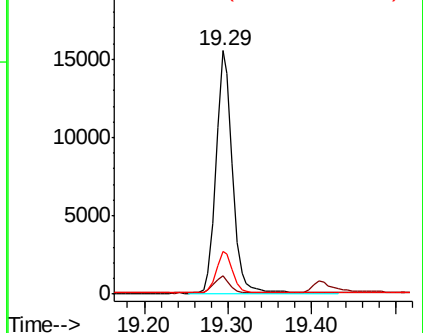
203 17.1 13.7 20.5

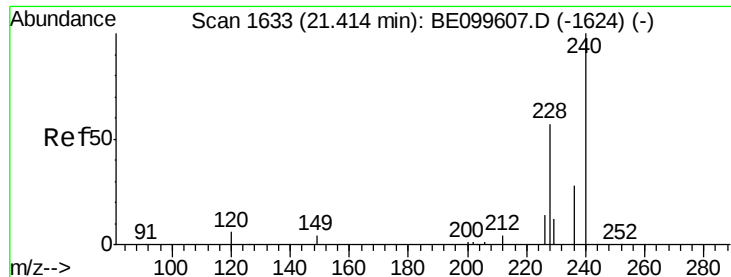


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

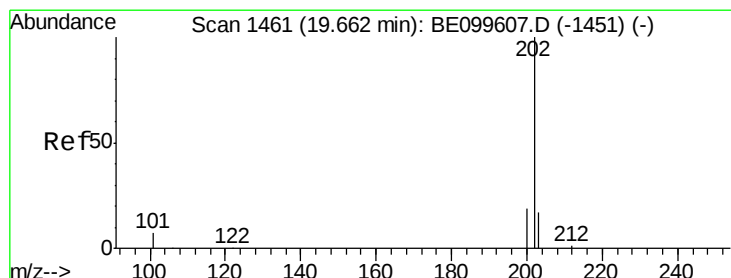
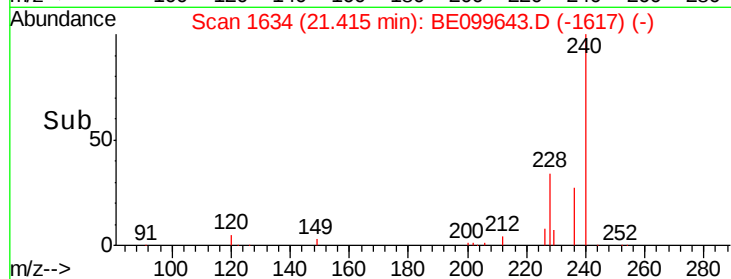
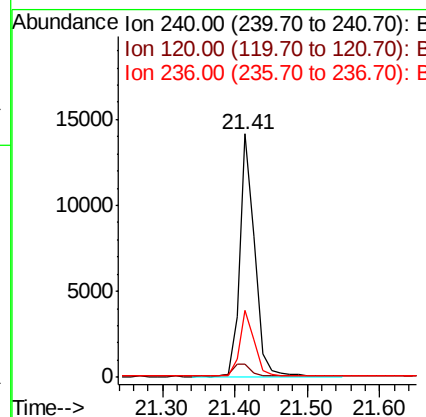
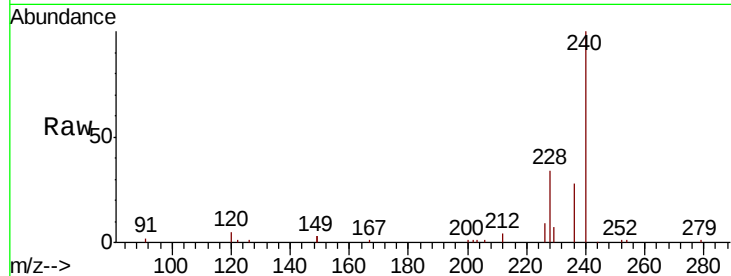




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099643.D
 Acq: 17 May 2019 9:37

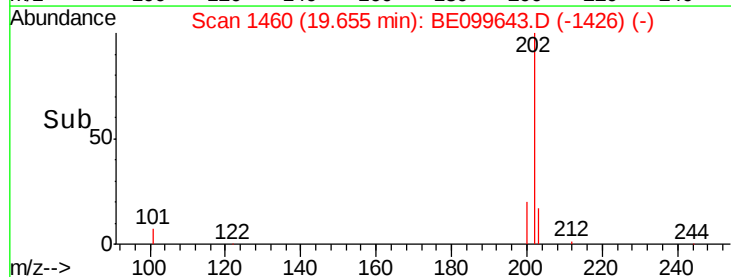
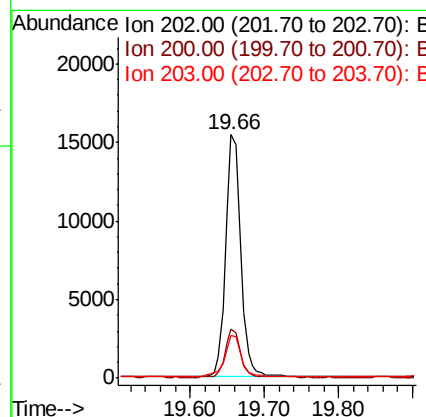
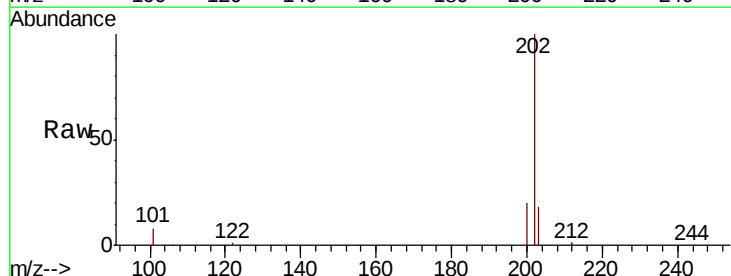
Instrument :
 BNA_E
 ClientSampleId :
 FEBH-01MS

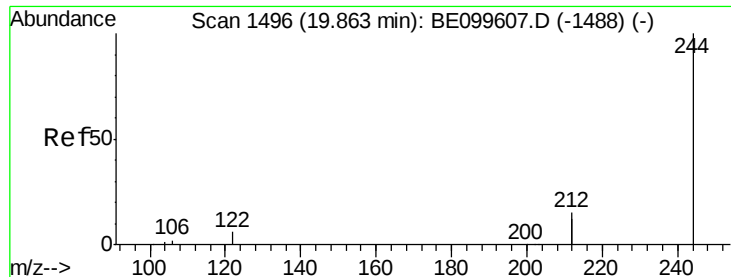
Tot Ion:240 Resp: 20400
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.7 8.5#
 236 27.6 22.8 34.2



#28
 Pyrene
 Concen: 0.425 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099643.D
 Acq: 17 May 2019 9:37

Tgt Ion:202 Resp: 22095
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.8 23.6
 203 18.4 14.1 21.1





#29

Terphenyl-d14

Concen: 0.372 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

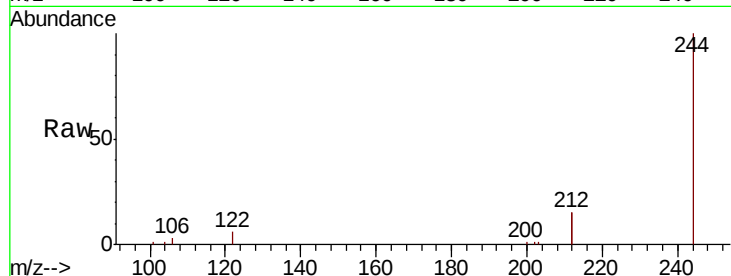
Tot Ion:244 Resp: 13667

Ion Ratio Lower Upper

244 100

212 29.0 23.8 35.6

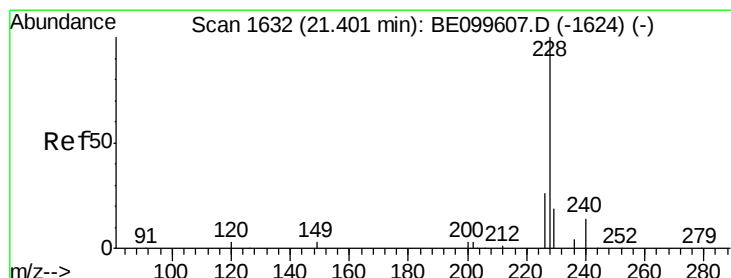
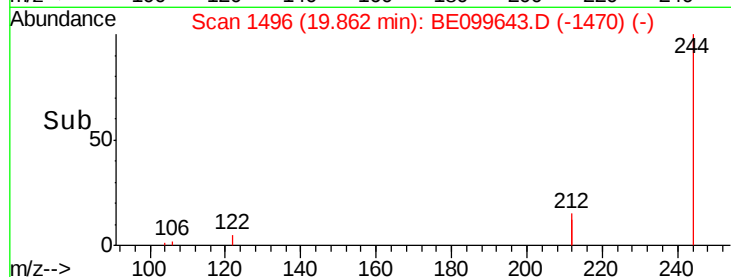
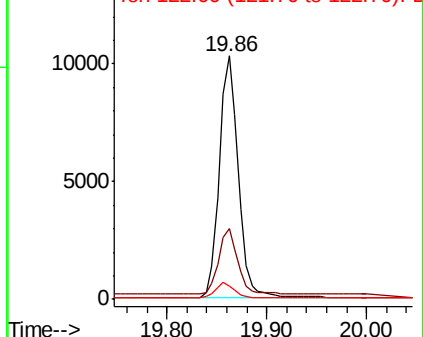
122 5.7 5.0 7.6



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: 0.410 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

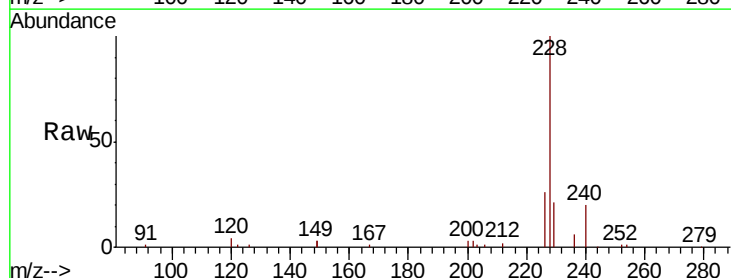
Tgt Ion:228 Resp: 25264

Ion Ratio Lower Upper

228 100

226 26.1 21.4 32.2

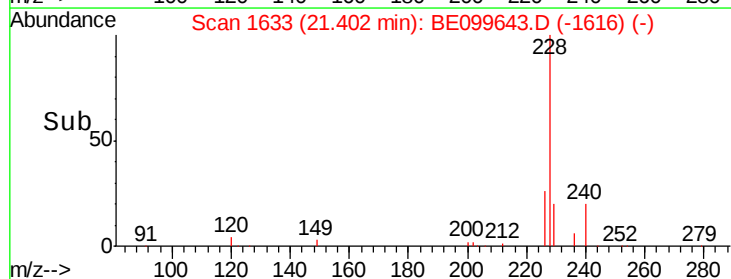
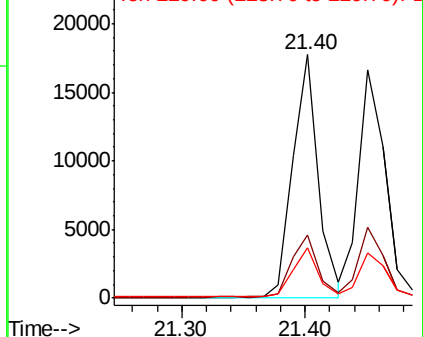
229 20.7 15.8 23.8

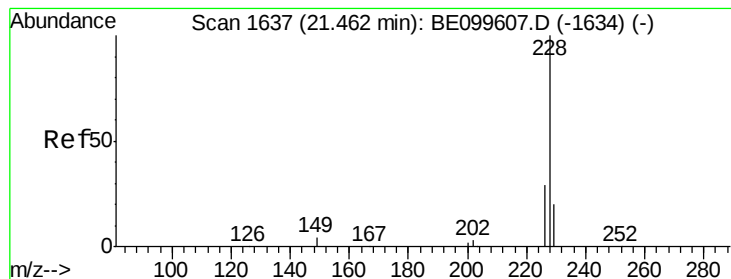


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.390 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

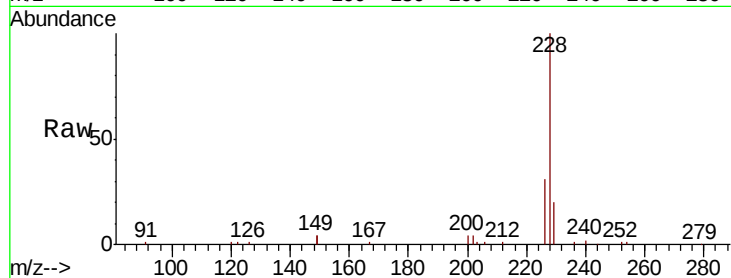
Tot Ion:228 Resp: 24771

Ion Ratio Lower Upper

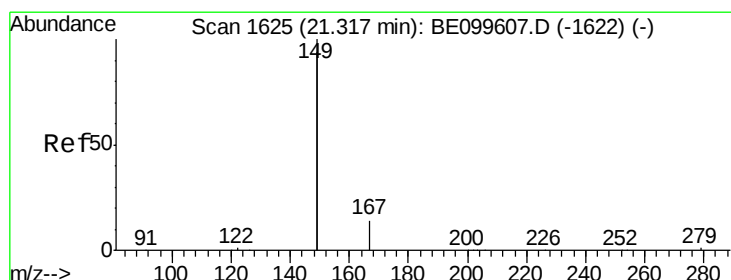
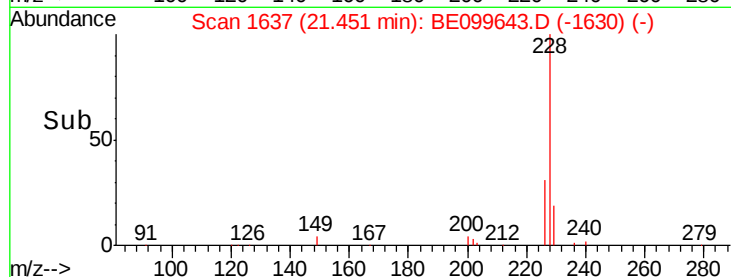
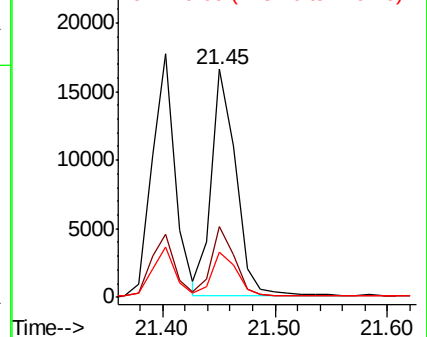
228 100

226 31.0 23.0 34.4

229 20.0 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: 0.590 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

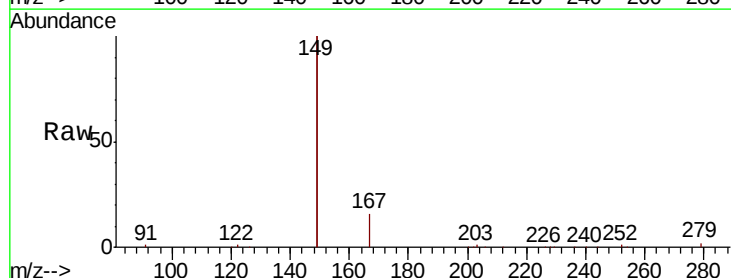
Tgt Ion:149 Resp: 56106

Ion Ratio Lower Upper

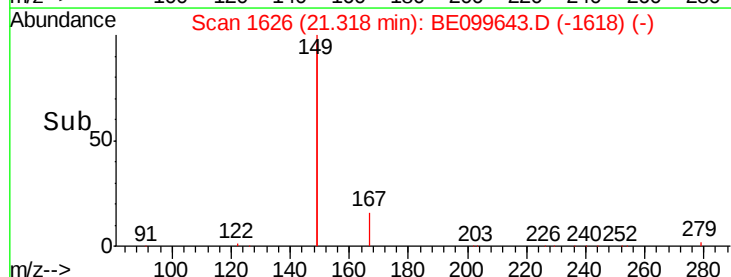
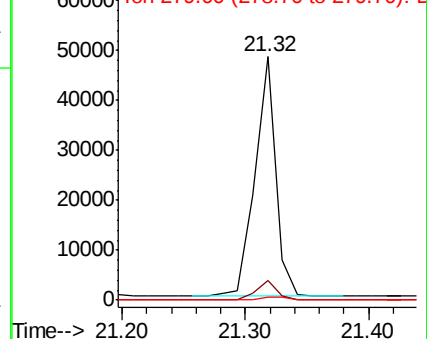
149 100

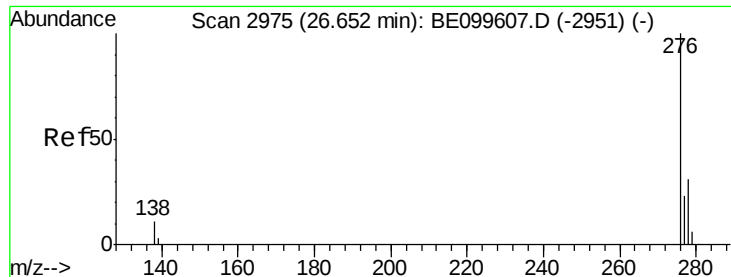
167 7.6 6.0 9.0

279 1.3 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: 0.372 ng

RT: 26.66 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

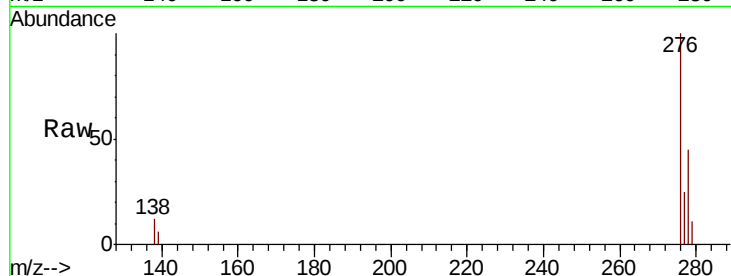
Tot Ion:276 Resp: 29395

Ion Ratio Lower Upper

276 100

138 13.2 10.0 15.0

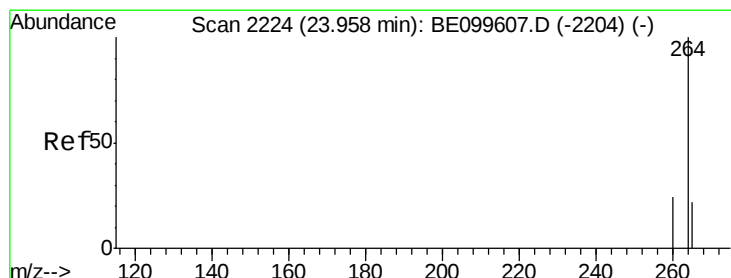
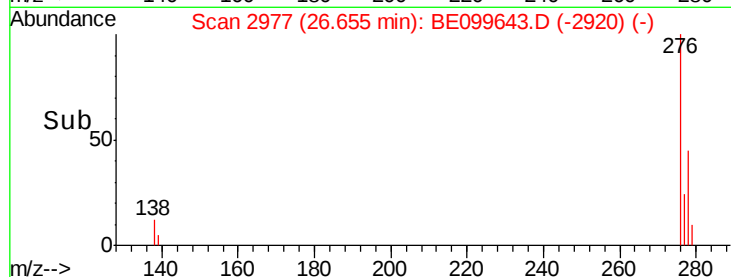
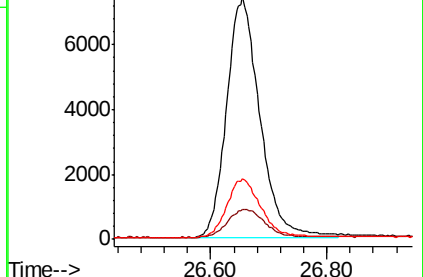
277 24.3 19.1 28.7



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# 2225

Delta R.T. 0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

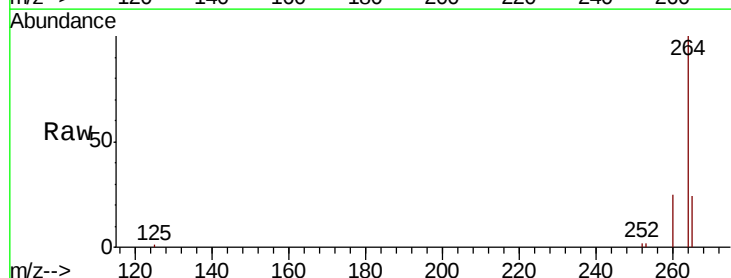
Tgt Ion:264 Resp: 25099

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

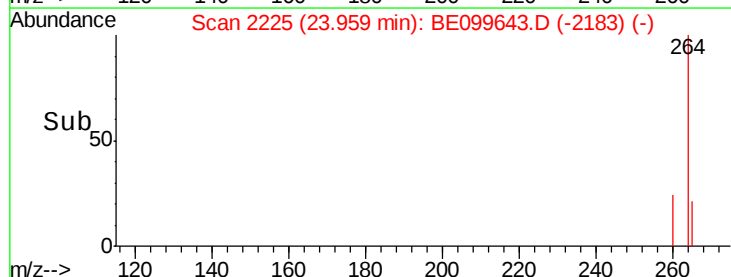
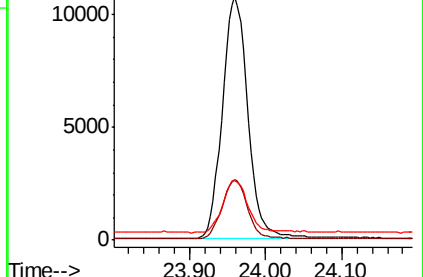
265 24.4 21.2 31.8

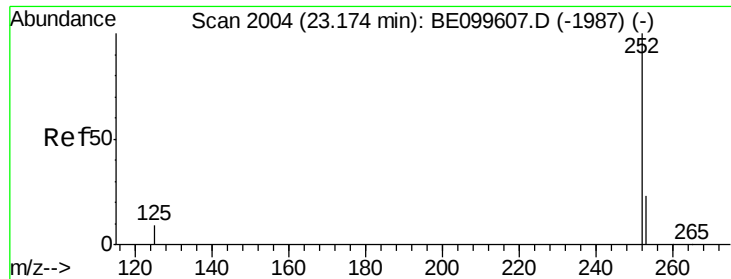


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.362 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

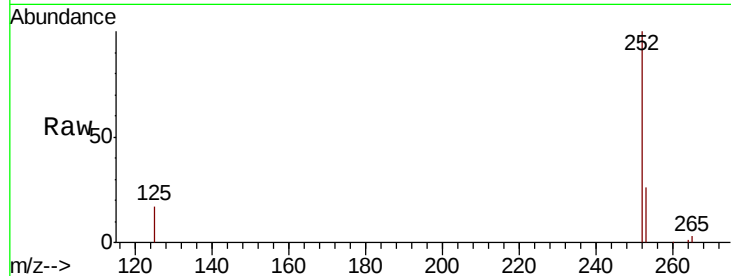
Tot Ion:252 Resp: 25423

Ion Ratio Lower Upper

252 100

253 26.0 19.1 28.7

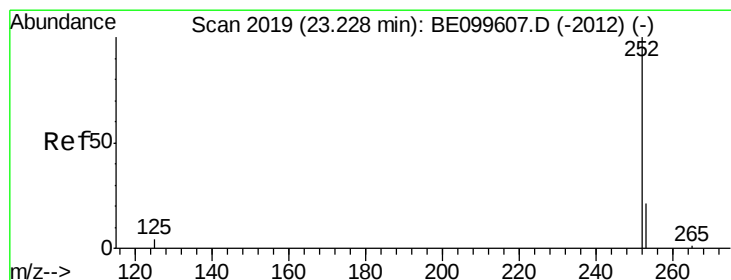
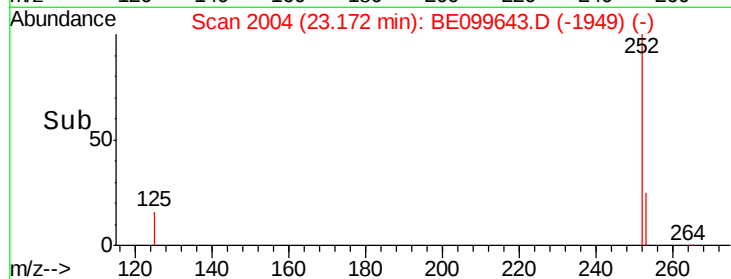
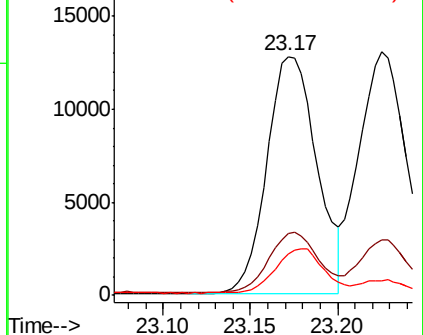
125 17.1 7.8 11.8#



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: 0.370 ng

RT: 23.23 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

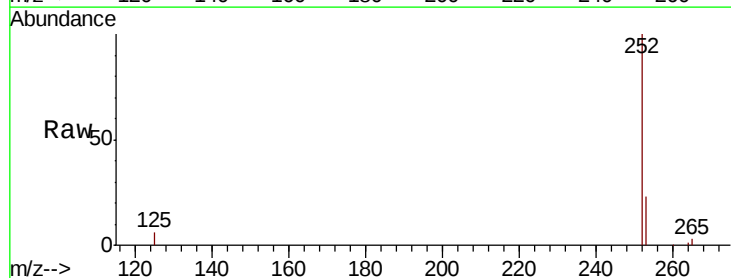
Tgt Ion:252 Resp: 25666

Ion Ratio Lower Upper

252 100

253 22.7 18.6 28.0

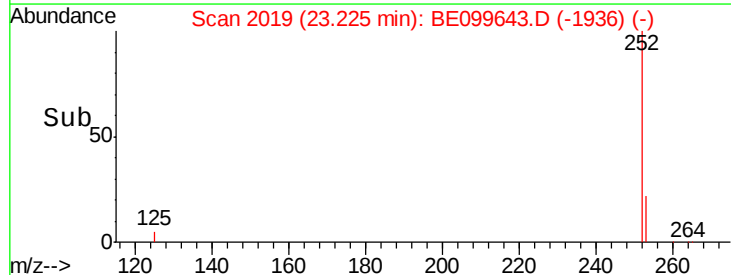
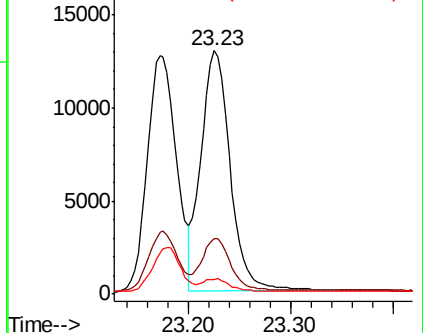
125 6.2 5.2 7.8

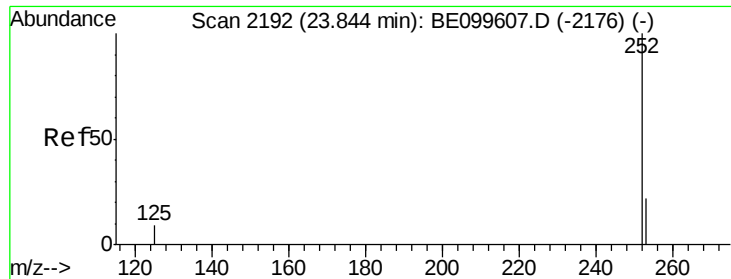


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.373 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

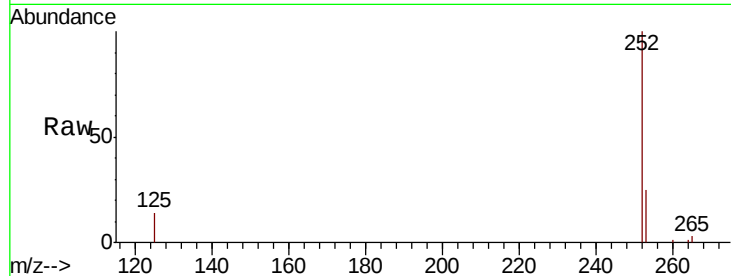
Tot Ion:252 Resp: 25359

Ion Ratio Lower Upper

252 100

253 24.7 19.0 28.6

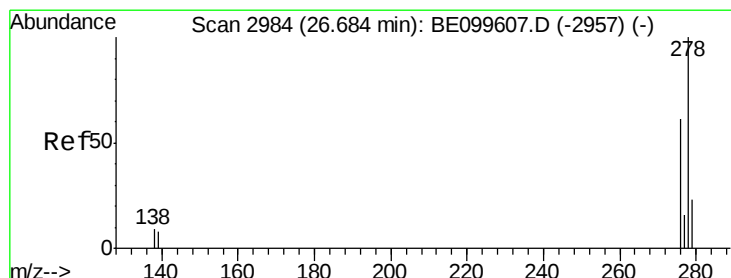
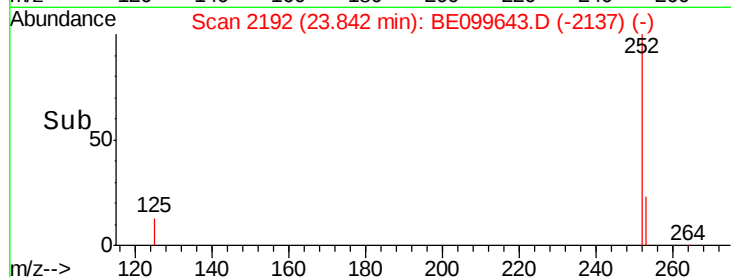
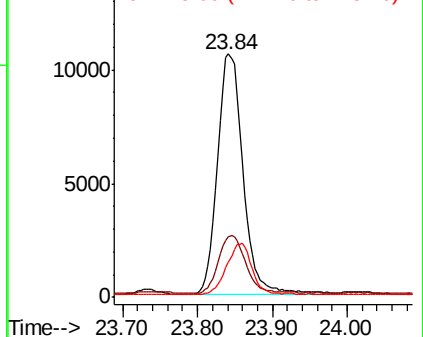
125 14.3 8.8 13.2#



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: 0.350 ng

RT: 26.68 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

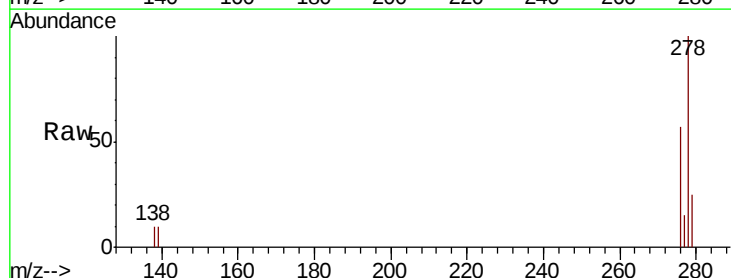
Tgt Ion:278 Resp: 24642

Ion Ratio Lower Upper

278 100

139 10.0 7.9 11.9

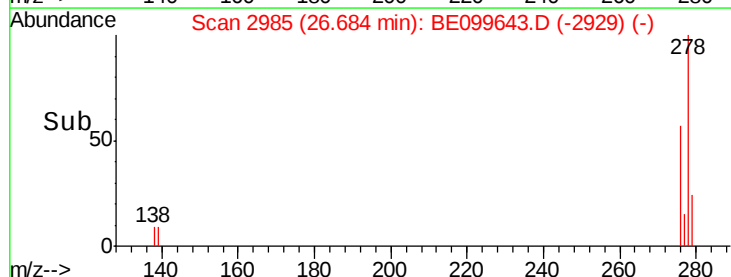
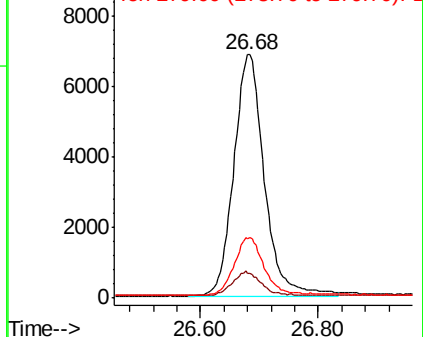
279 25.0 19.5 29.3

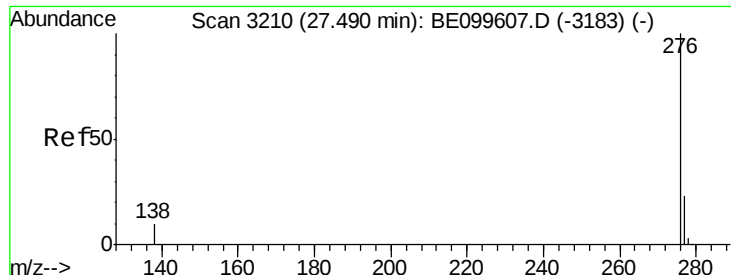


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.354 ng

RT: 27.49 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE099643.D

Acq: 17 May 2019 9:37

Instrument :

BNA_E

ClientSampleId :

FEBH-01MS

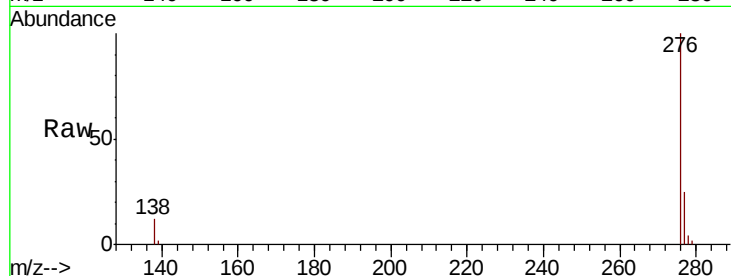
Tot Ion: 276 Resp: 25108

Ion Ratio Lower Upper

276 100

277 24.6 19.3 28.9

138 11.8 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

