

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052219\
 Data File : BE099717.D
 Acq On : 22 May 2019 13:20
 Operator : JU/SJ
 Sample : K2966-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-18(2.5-3.0)

Quant Time: May 23 07:57:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1670	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	6061	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4715	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	13828	0.40	ng	0.00
27) Chrysene-d12	21.43	240	24068	0.40	ng	0.01
34) Perylene-d12	23.96	264	25107	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1513	0.36	ng	0.00
5) Phenol-d6	6.98	99	2181	0.39	ng	0.00
8) Nitrobenzene-d5	8.98	82	1785	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2645	0.25	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	961	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3734	0.21	ng	0.00
25) Fluoranthene-d10	19.27	212	30081	0.16	ng	0.00
29) Terphenyl-d14	19.89	244	333	0.01	ng	0.02

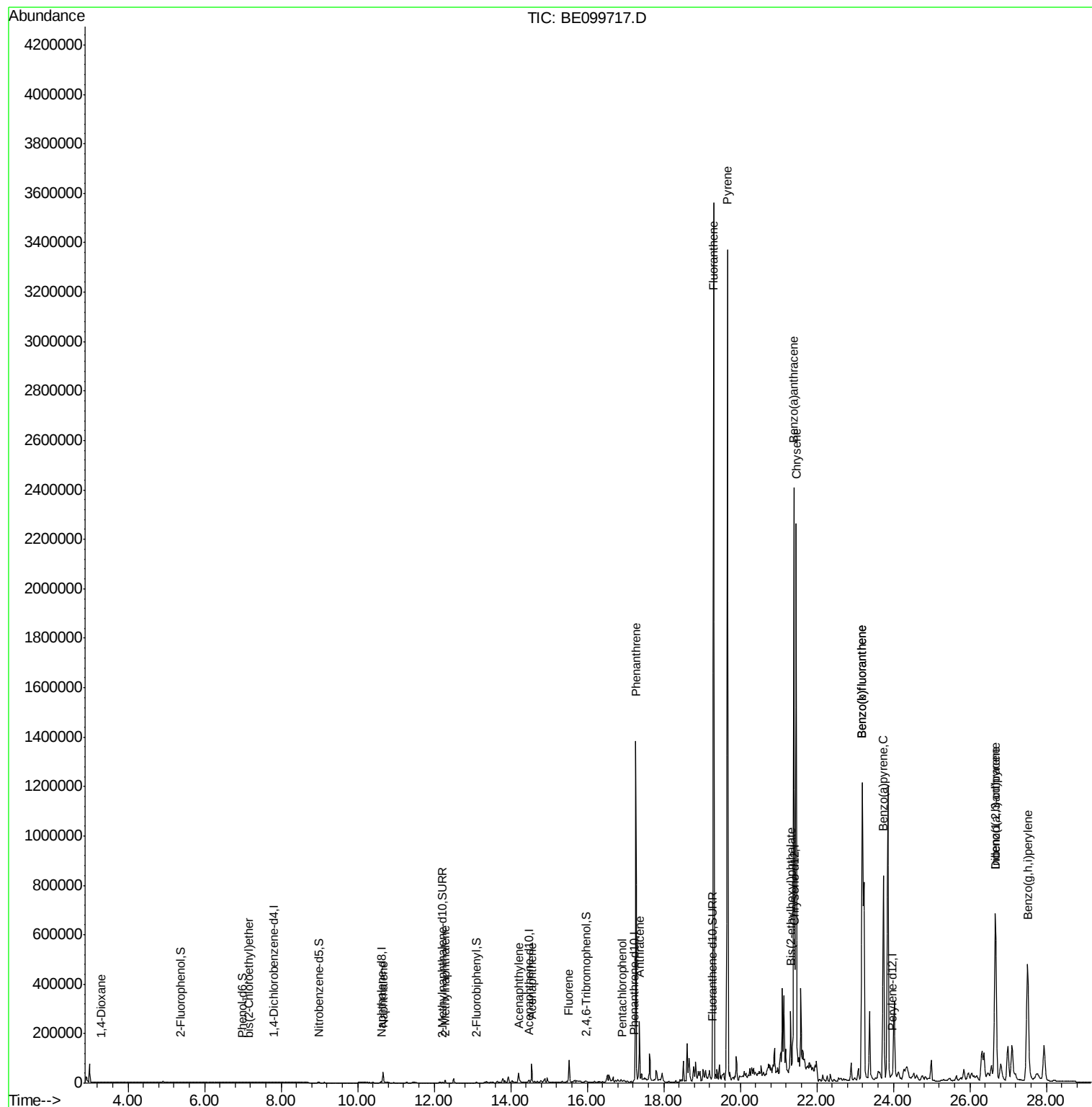
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	89	0.036	ng	# 34
6) bis(2-Chloroethyl)ether	7.15	93	299	0.060	ng	# 1
9) Naphthalene	10.67	128	72759	1.123	ng	99
12) 2-Methylnaphthalene	12.30	142	8740	0.827	ng	96
16) Acenaphthylene	14.21	152	65363	2.974	ng	100
17) Acenaphthene	14.54	154	37386	3.031	ng	98
18) Fluorene	15.51	166	79670	4.385	ng	99
22) Pentachlorophenol	16.91	266	820	0.503	ng	# 36
23) Phenanthrene	17.27	178	1437749	42.549	ng	99
24) Anthracene	17.36	178	240791	7.858	ng	# 95
26) Fluoranthene	19.30	202	3468118	64.921	ng	97
28) Pyrene	19.66	202	3302077	54.607	ng	# 91
30) Benzo(a)anthracene	21.40	228	2197881	32.137	ng	95
31) Chrysene	21.46	228	2124172	29.050	ng	96
32) Bis(2-ethylhexyl)phthalate	21.32	149	249056	3.160	ng	100
33) Indeno(1,2,3-cd)pyrene	26.67	276	1365475	15.468	ng	# 96
35) Benzo(b)fluoranthene	23.19	252	2654910	38.589	ng	98
36) Benzo(k)fluoranthene	23.19	252	2654910	37.019	ng	97
37) Benzo(a)pyrene	23.74	252	1314210	19.850	ng	99
38) Dibenzo(a,h)anthracene	26.68	278	360569	5.187	ng	93
39) Benzo(g,h,i)perylene	27.52	276	1318869	18.786	ng	98

(#) = 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: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

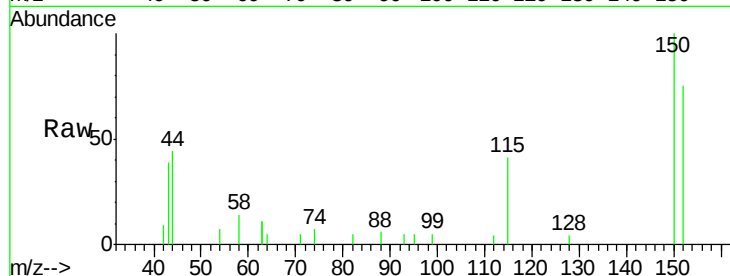
Tgt Ion:152 Resp: 1670

Ion Ratio Lower Upper

152 100

150 133.0 109.2 163.8

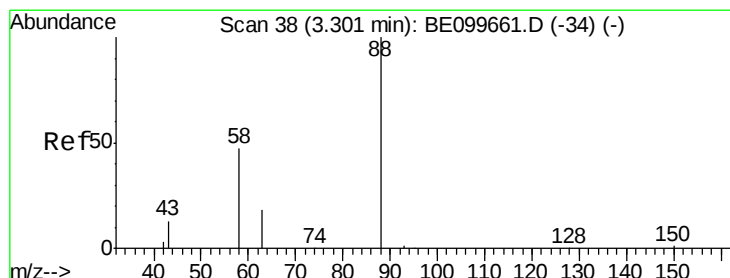
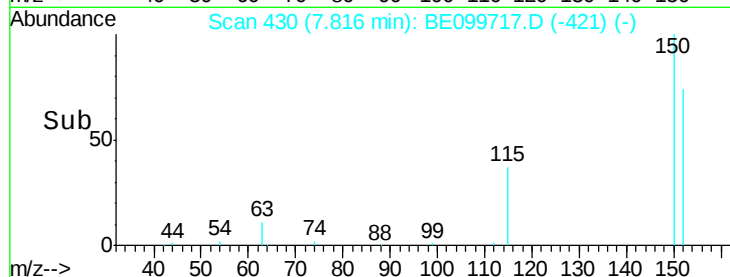
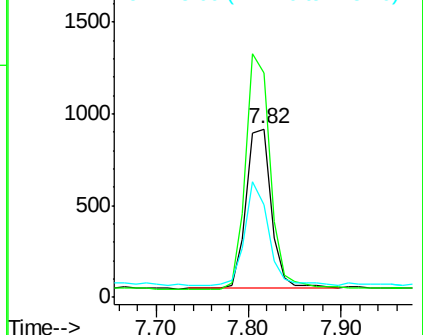
115 55.1 43.7 65.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.036 ng

RT: 3.30 min Scan# 38

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

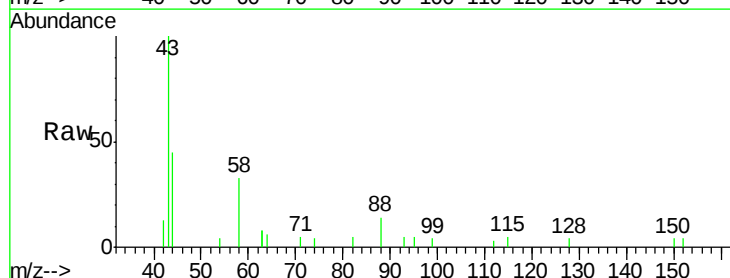
Tgt Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

58 0.0 41.8 62.8#

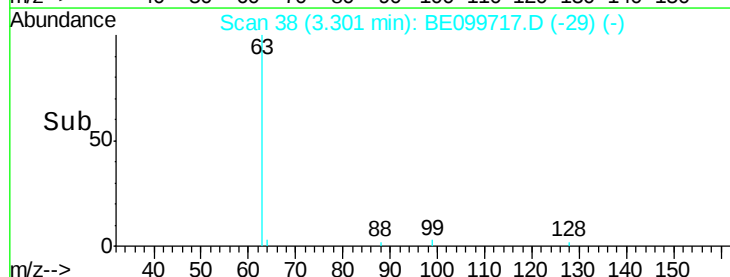
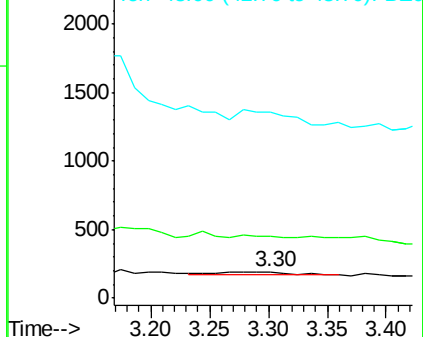
43 0.0 15.0 22.4#

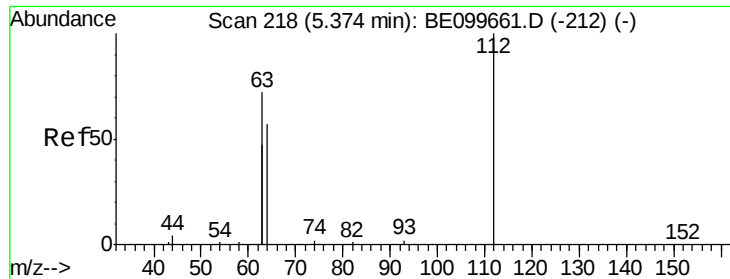


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.359 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

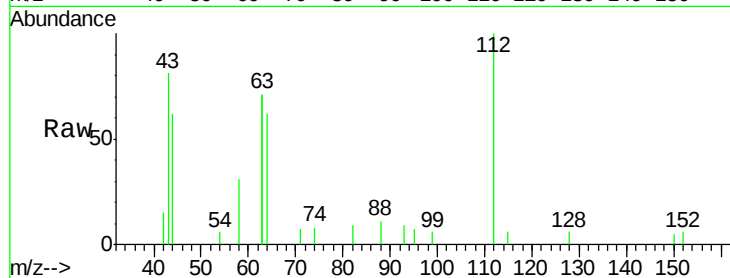
Tgt Ion:112 Resp: 1513

Ion Ratio Lower Upper

112 100

64 55.5 43.4 65.2

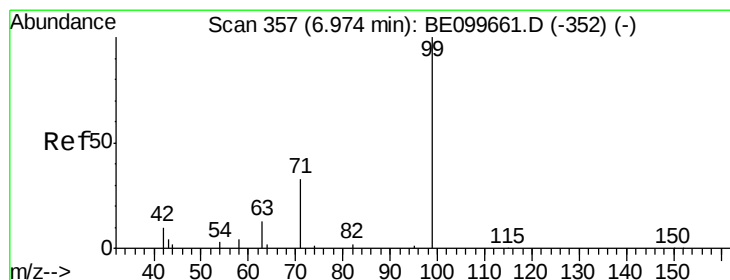
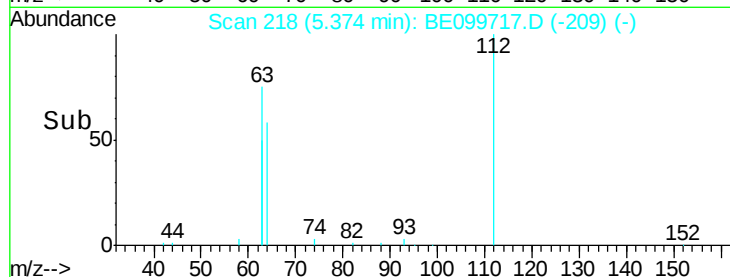
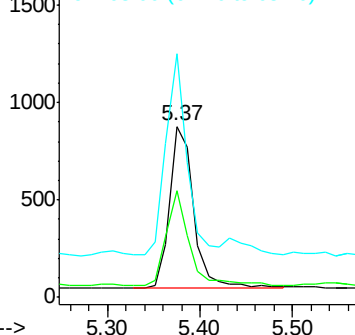
63 107.3 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.390 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

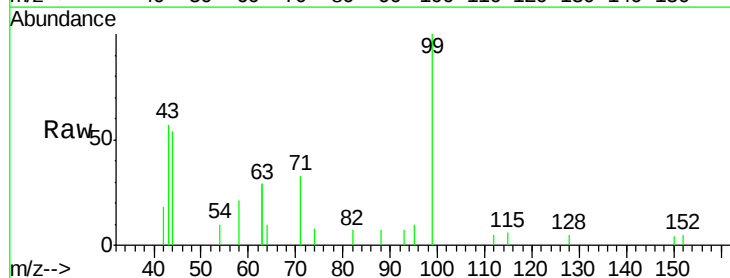
Tgt Ion: 99 Resp: 2181

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

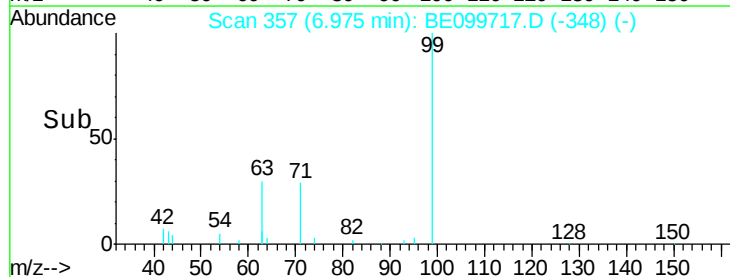
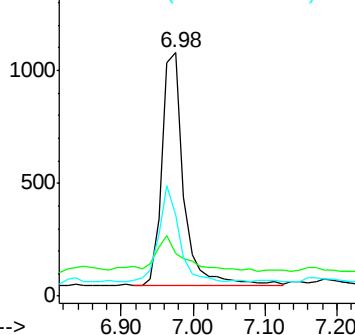
71 38.2 28.9 43.3

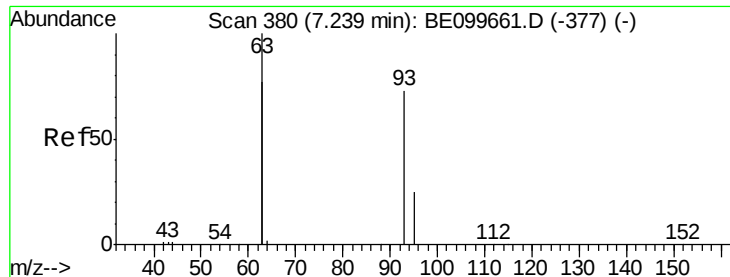


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.060 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.09 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

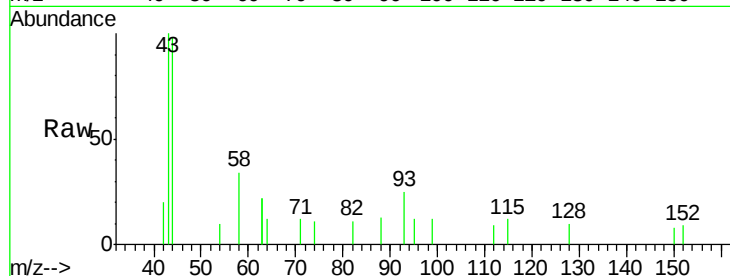
Tgt Ion: 93 Resp: 299

Ion Ratio Lower Upper

93 100

63 0.0 207.8 311.6#

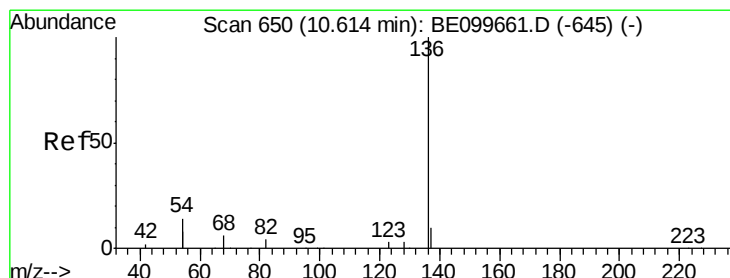
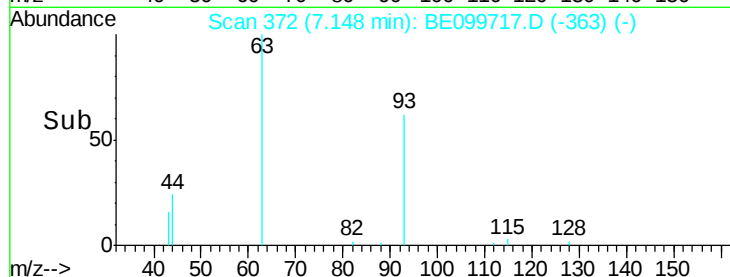
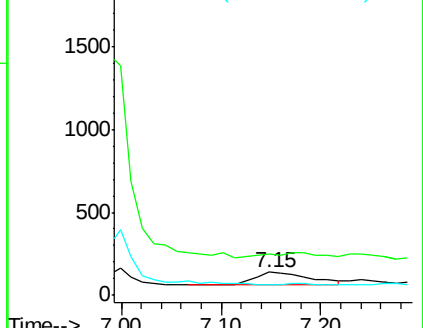
95 0.0 25.9 38.9#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Tgt Ion: 136 Resp: 6061

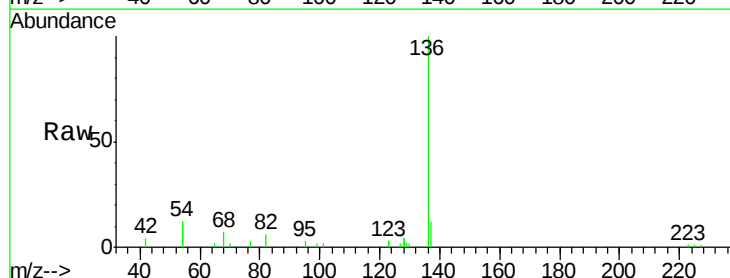
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 24.7 22.3 33.5

68 6.8 6.0 9.0

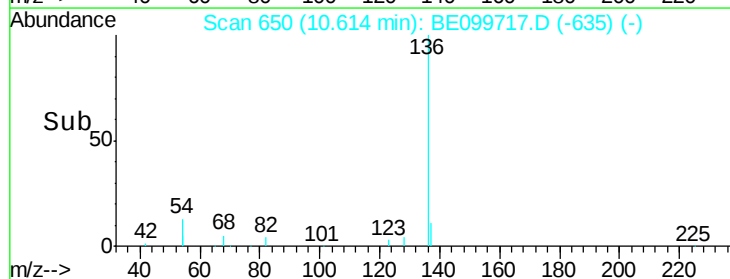
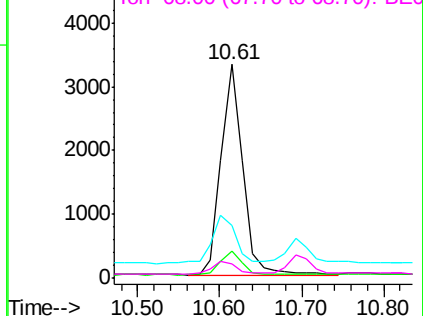


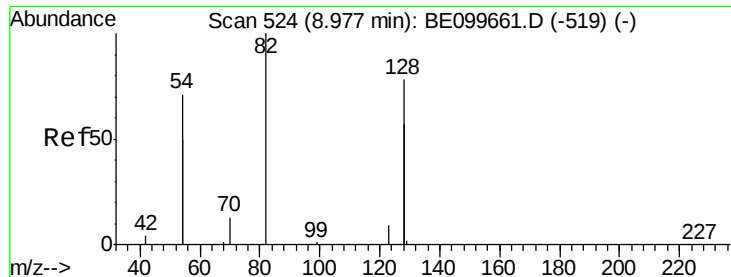
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

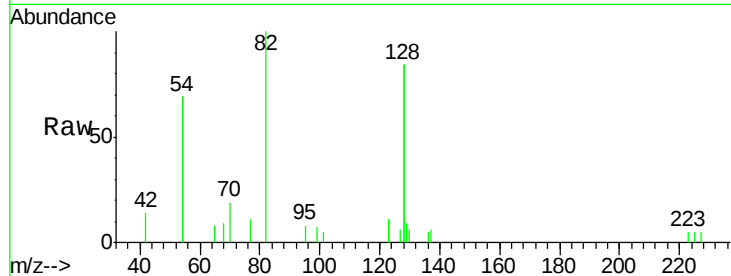




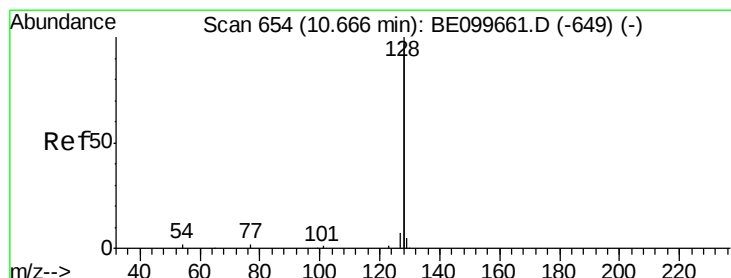
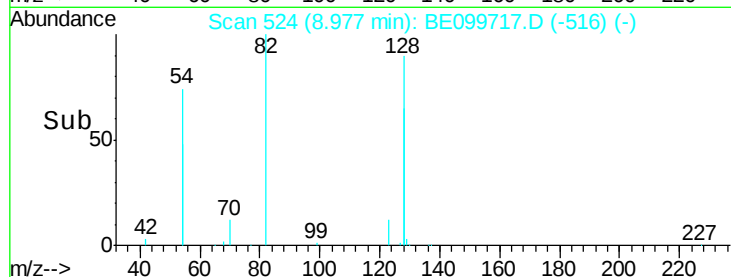
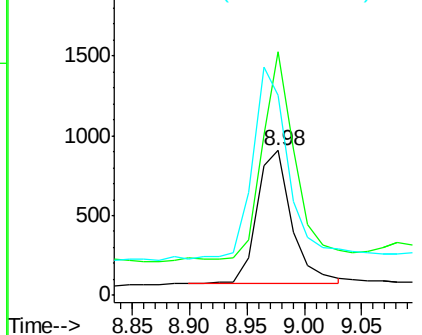
#8
 Nitrobenzene-d5
 Concen: 0.340 ng
 RT: 8.98 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BE099717.D
 Acq: 22 May 2019 13:20

Instrument :
 BNA_E
 ClientSampleId :
 FESB-18(2.5-3.0)

Tgt Ion: 82 Resp: 1785
 Ion Ratio Lower Upper
 82 100
 128 168.1 117.7 176.5
 54 138.1 106.6 160.0

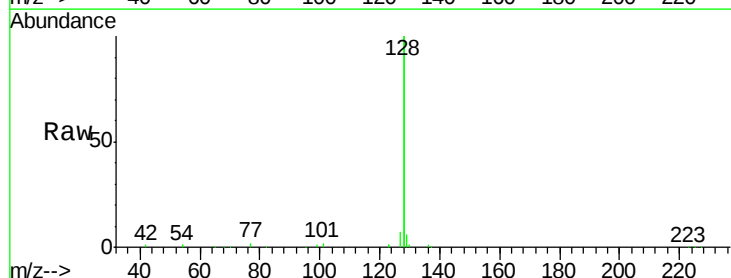


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

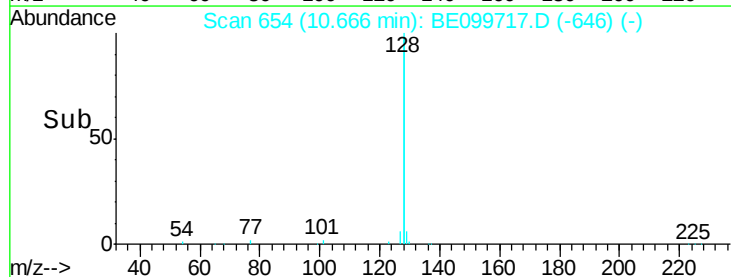
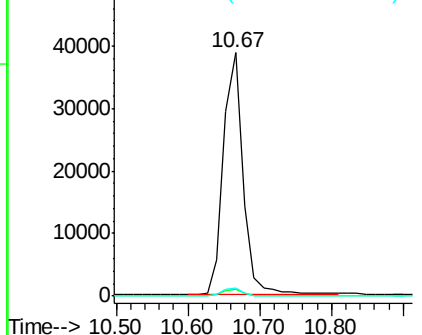


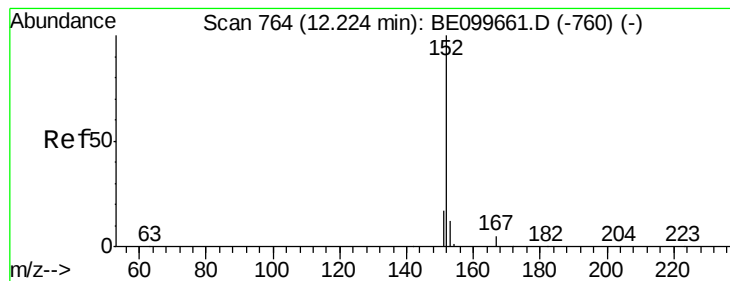
#9
 Naphthalene
 Concen: 1.123 ng
 RT: 10.67 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: BE099717.D
 Acq: 22 May 2019 13:20

Tgt Ion: 128 Resp: 72759
 Ion Ratio Lower Upper
 128 100
 129 3.1 2.4 3.6
 127 3.3 2.9 4.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.253 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

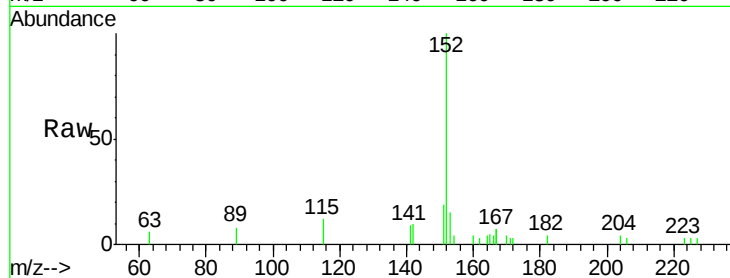
FESB-18(2.5-3.0)

Tgt Ion:152 Resp: 2645

Ion Ratio Lower Upper

152 100

151 20.7 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

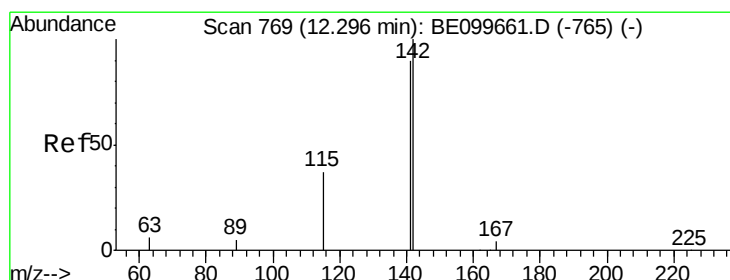
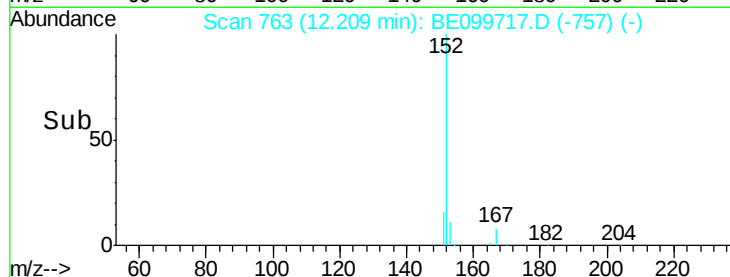
1500

1000

500

0

Time--> 12.10 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.827 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

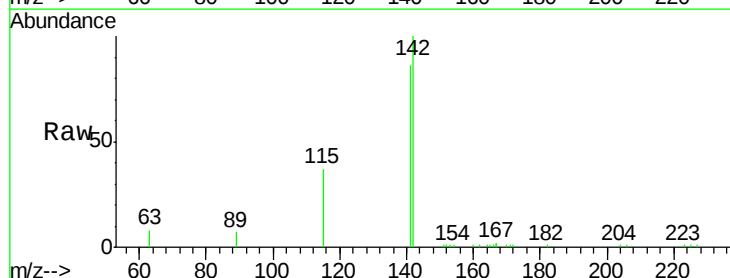
Tgt Ion:142 Resp: 8740

Ion Ratio Lower Upper

142 100

141 86.1 72.0 108.0

115 37.3 31.0 46.4



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

12.30

6000

5000

4000

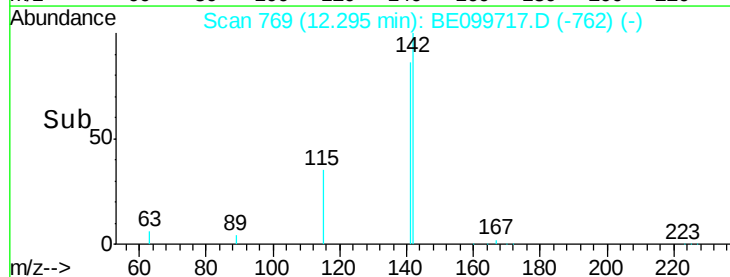
3000

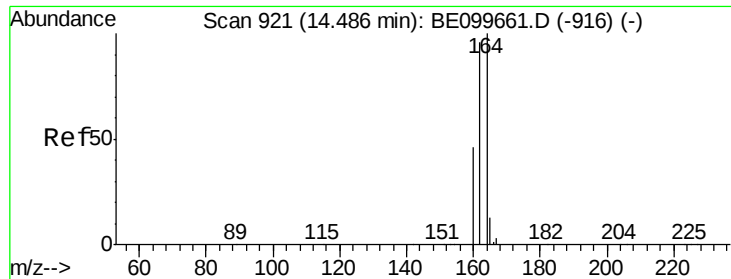
2000

1000

0

Time--> 12.20 12.30 12.40

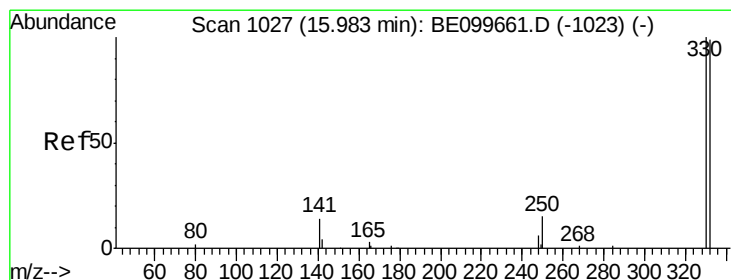
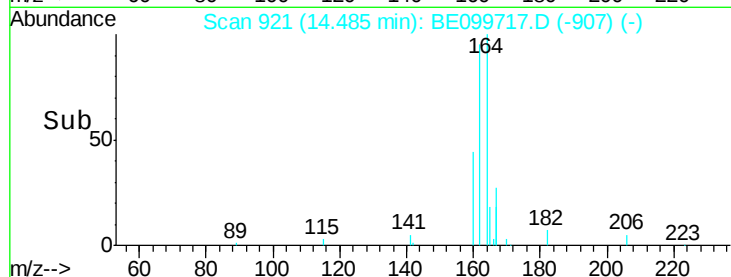
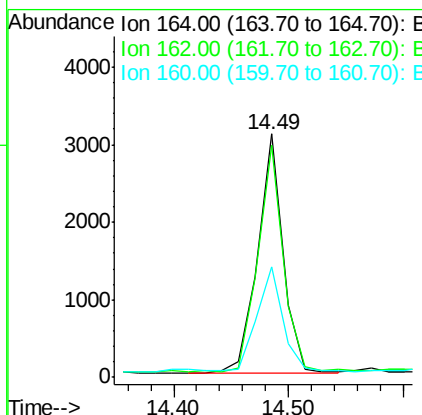
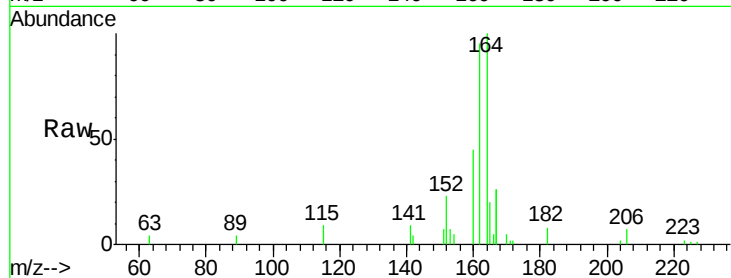




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099717.D
 Acq: 22 May 2019 13:20

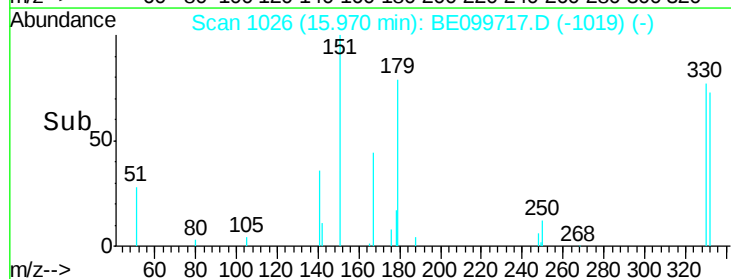
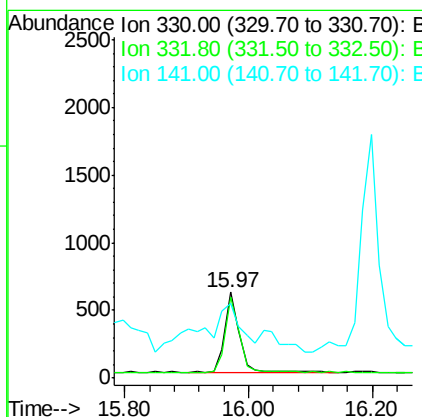
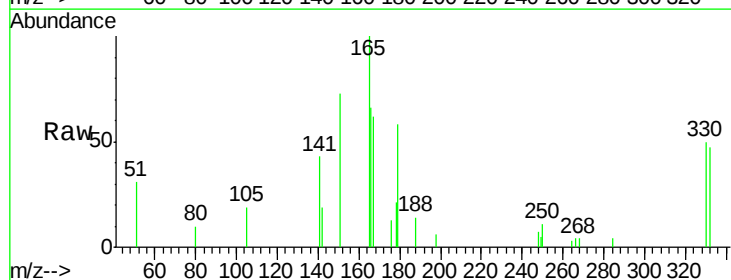
Instrument :
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 FESB-18(2.5-3.0)

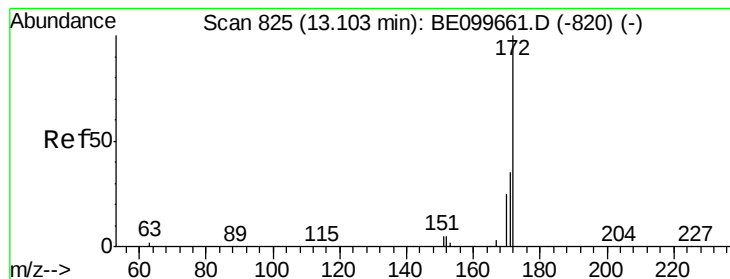
Tgt Ion:164 Resp: 4715
 Ion Ratio Lower Upper
 164 100
 162 95.4 76.5 114.7
 160 45.5 37.4 56.2



#14
 2,4,6-Tribromophenol
 Concen: 0.399 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099717.D
 Acq: 22 May 2019 13:20

Tgt Ion:330 Resp: 961
 Ion Ratio Lower Upper
 330 100
 332 92.6 77.3 115.9
 141 60.0 18.9 28.3#





#15

2-Fluorobiphenyl

Concen: 0.209 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

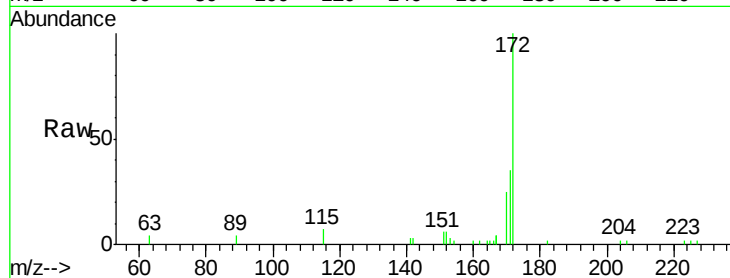
Tgt Ion:172 Resp: 3734

Ion Ratio Lower Upper

172 100

171 34.9 28.7 43.1

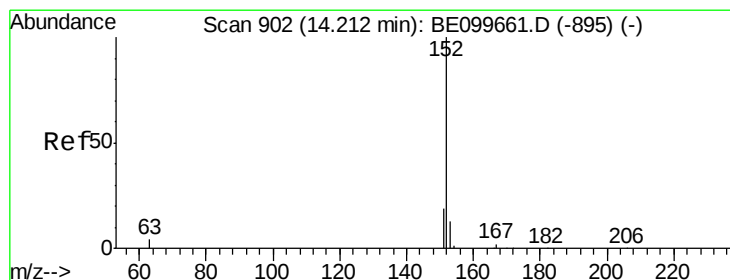
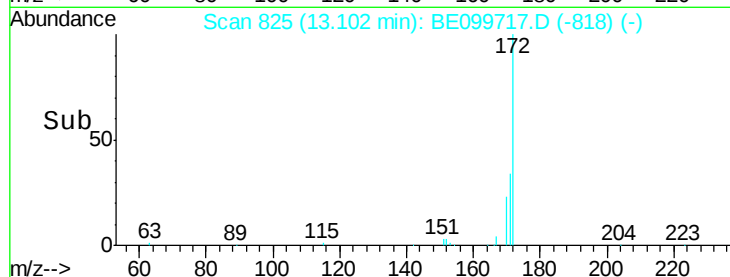
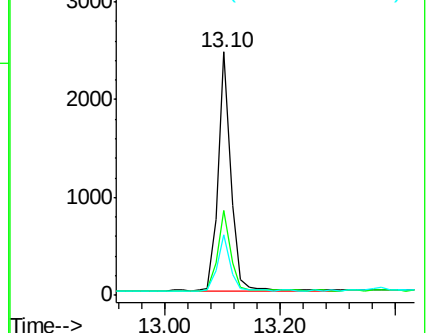
170 24.8 20.9 31.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 2.974 ng

RT: 14.21 min Scan# 902

Delta R.T. -0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

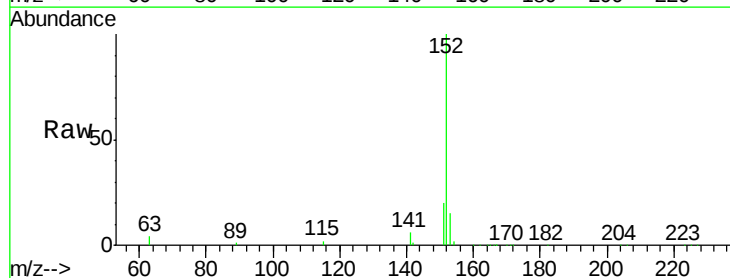
Tgt Ion:152 Resp: 65363

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

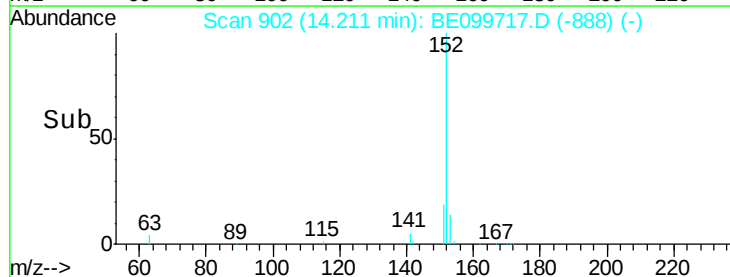
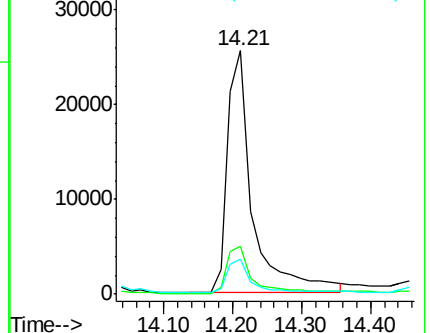
153 13.5 10.6 16.0

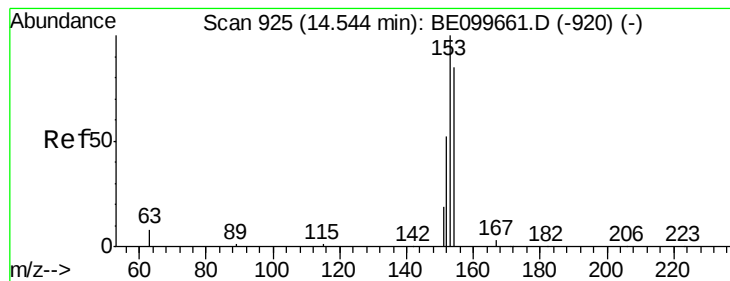


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 3.031 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

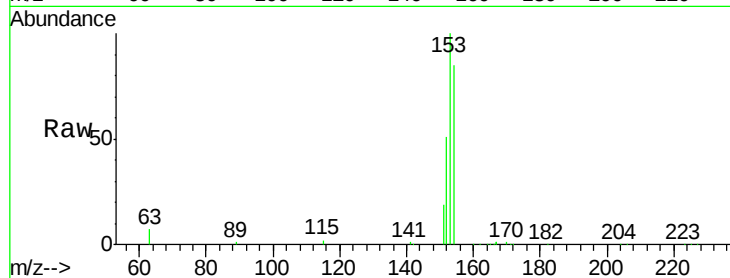
Tgt Ion:154 Resp: 37386

Ion Ratio Lower Upper

154 100

153 116.3 91.8 137.6

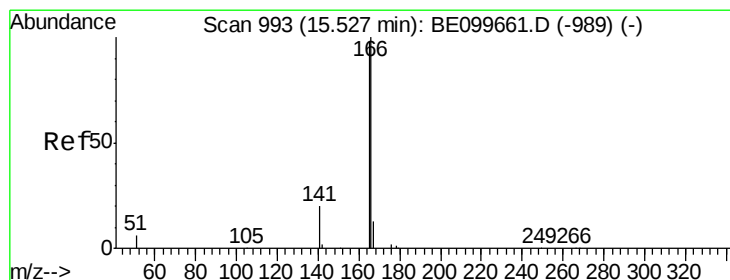
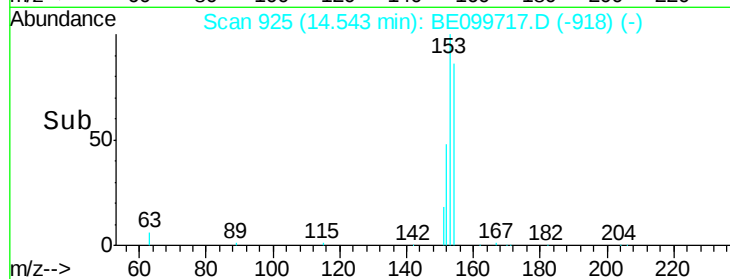
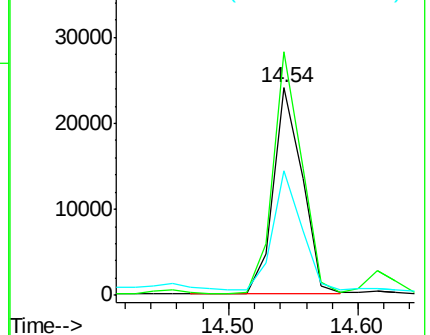
152 56.3 46.0 69.0



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: 4.385 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

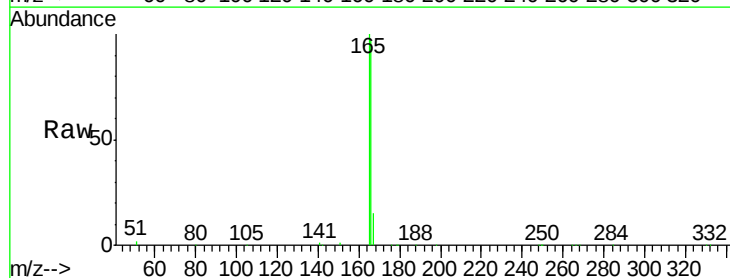
Tgt Ion:166 Resp: 79670

Ion Ratio Lower Upper

166 100

165 100.9 80.3 120.5

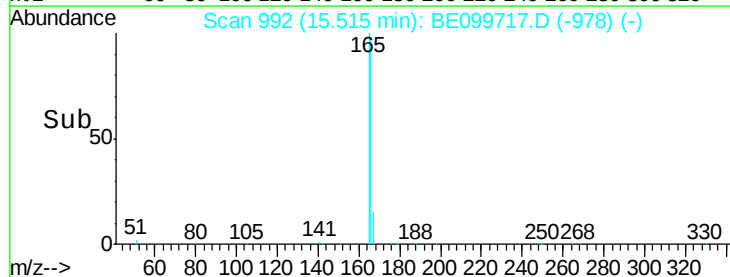
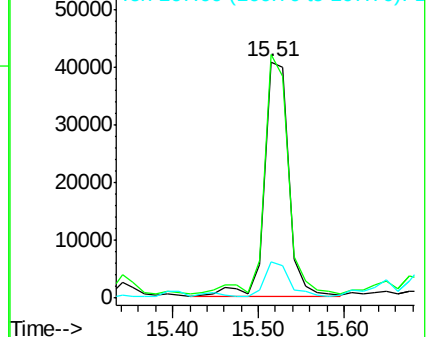
167 14.9 10.6 16.0

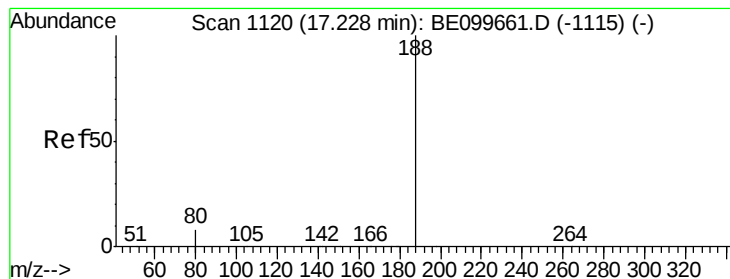


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

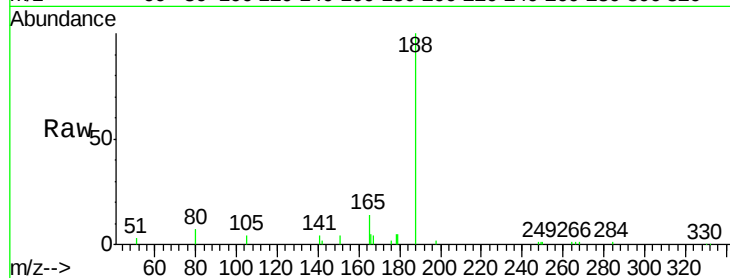
Tgt Ion:188 Resp: 13828

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

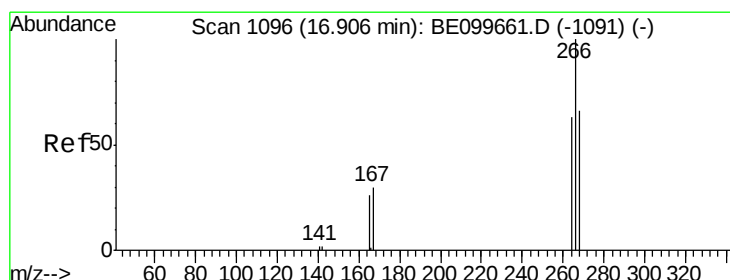
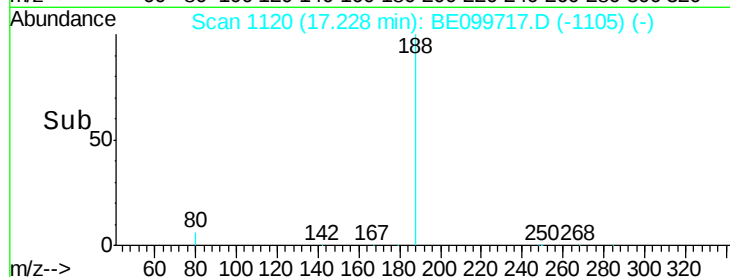
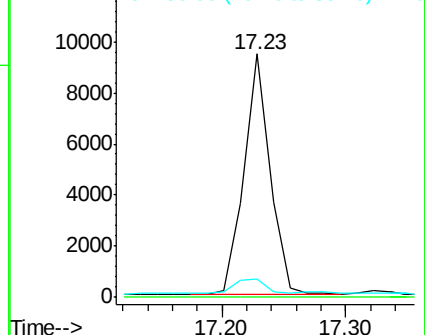
80 7.3 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.503 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

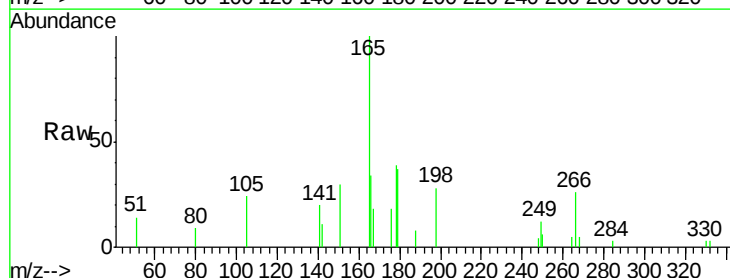
Tgt Ion:266 Resp: 820

Ion Ratio Lower Upper

266 100

264 18.3 57.2 85.8#

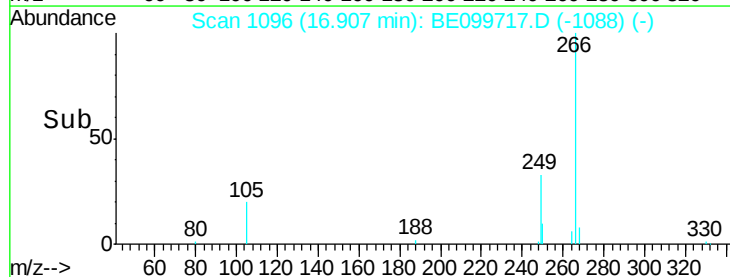
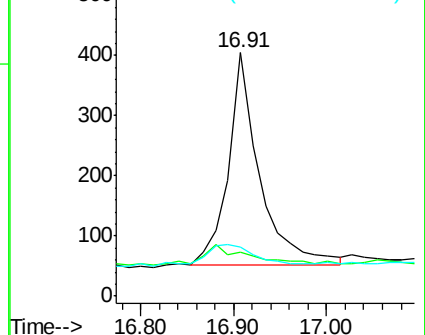
268 20.2 60.5 90.7#

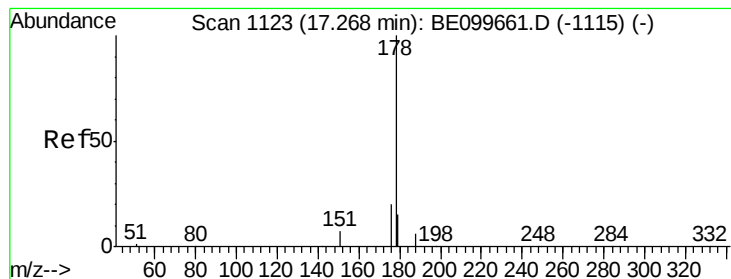


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 42.549 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

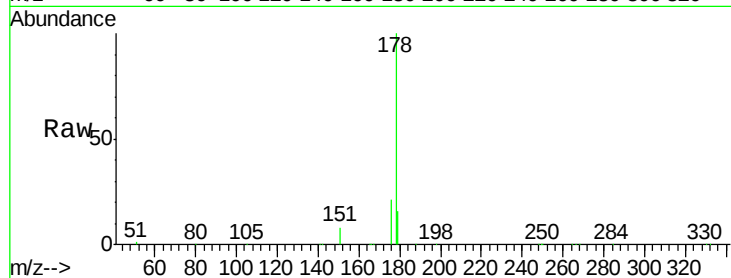
Tgt Ion:178 Resp: 1437749

Ion Ratio Lower Upper

178 100

176 20.1 15.6 23.4

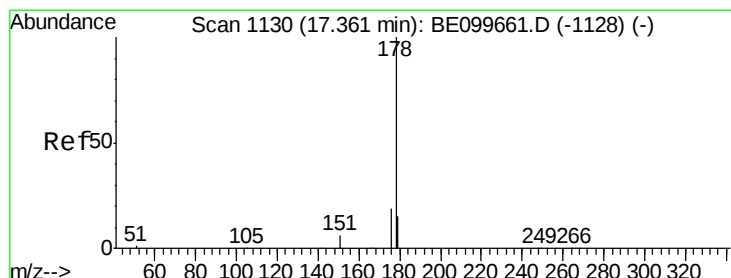
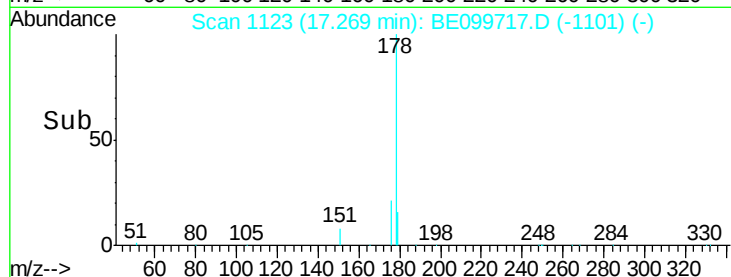
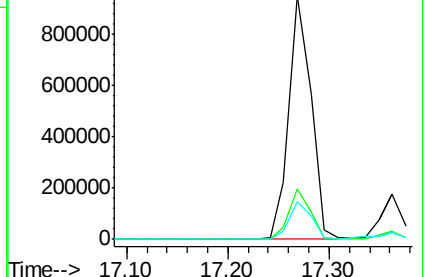
179 15.9 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 7.858 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

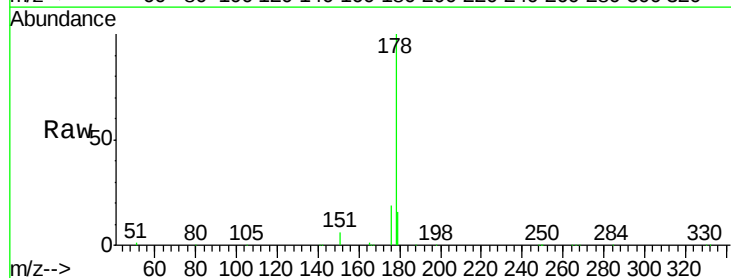
Tgt Ion:178 Resp: 240791

Ion Ratio Lower Upper

178 100

176 19.0 14.7 22.1

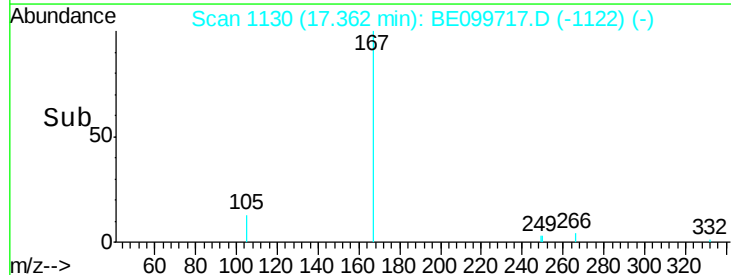
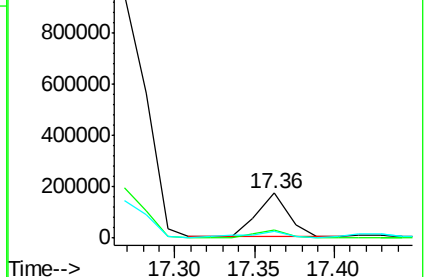
179 18.9 12.0 18.0#

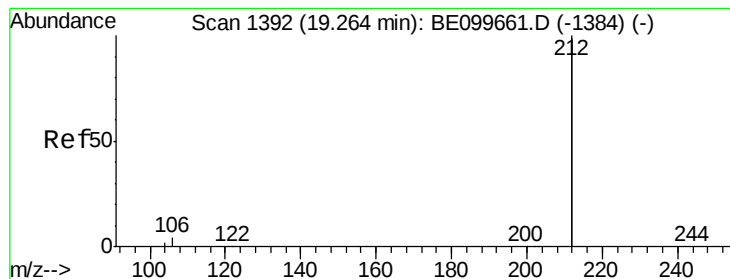


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.159 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

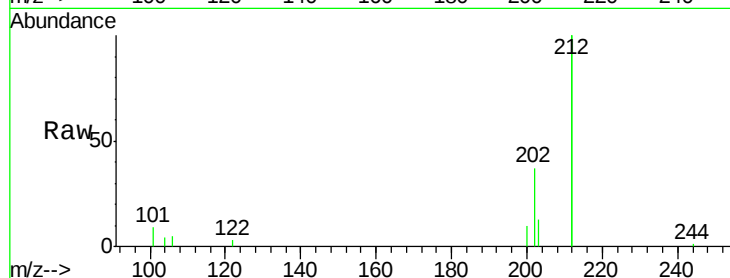
Tgt Ion:212 Resp: 30081

Ion Ratio Lower Upper

212 100

106 2.3 1.4 2.2#

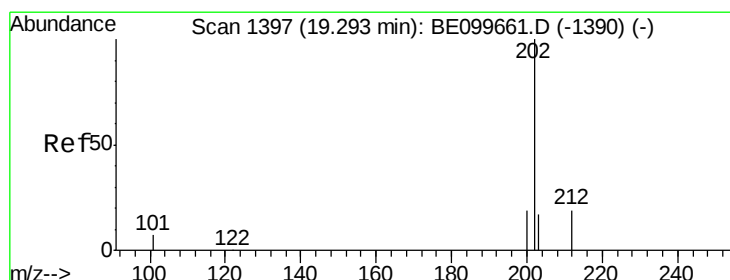
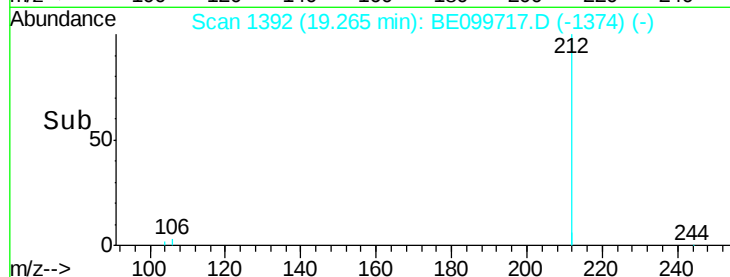
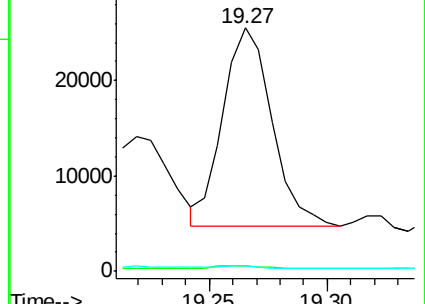
104 1.6 0.8 1.2#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 64.921 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.01 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

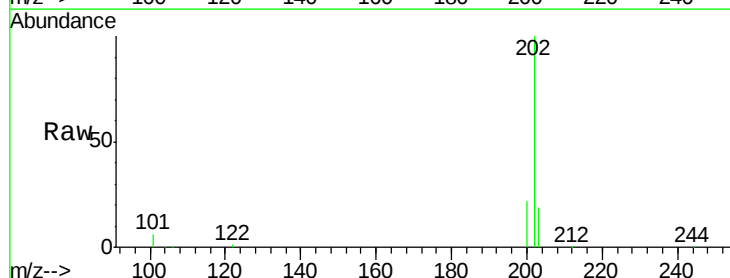
Tgt Ion:202 Resp: 3468118

Ion Ratio Lower Upper

202 100

101 6.1 5.2 7.8

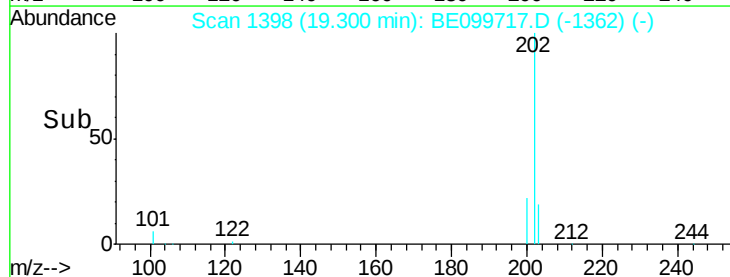
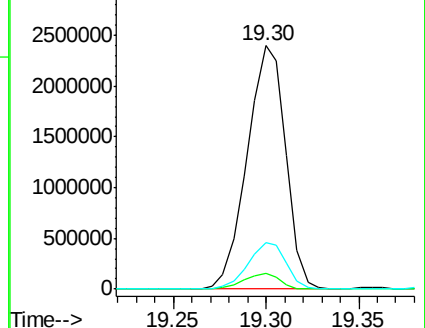
203 18.9 13.8 20.6

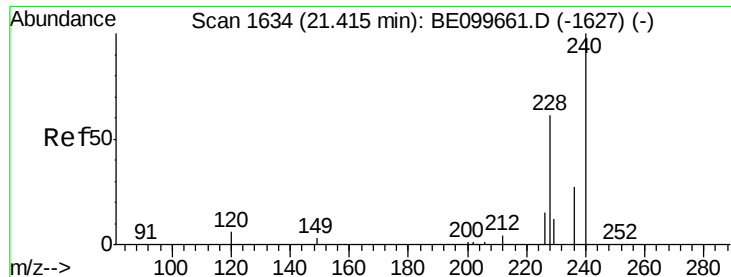


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

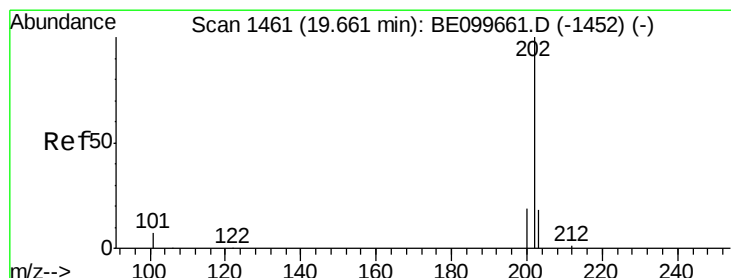
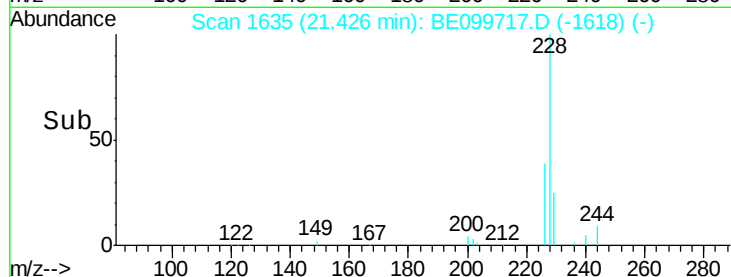
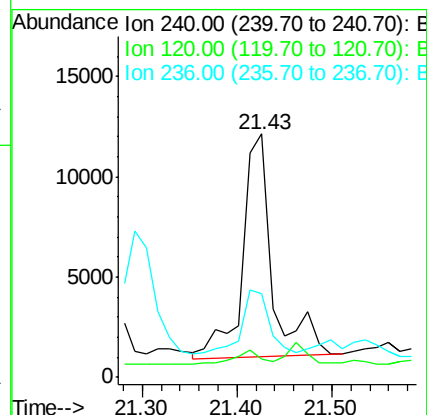
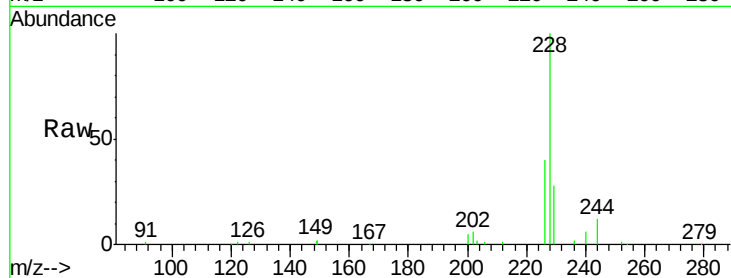
Tgt Ion:240 Resp: 24068

Ion Ratio Lower Upper

240 100

120 7.7 5.4 8.0

236 34.5 21.7 32.5#



#28

Pyrene

Concen: 54.607 ng

RT: 19.66 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

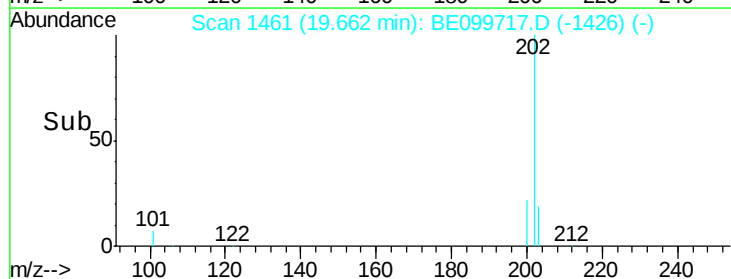
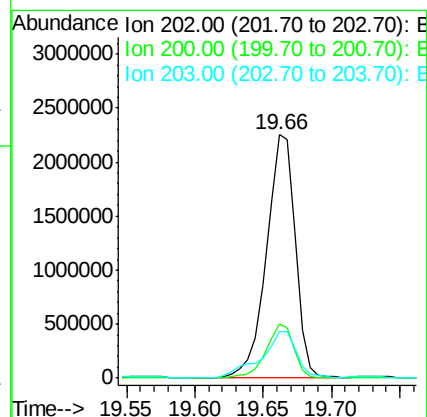
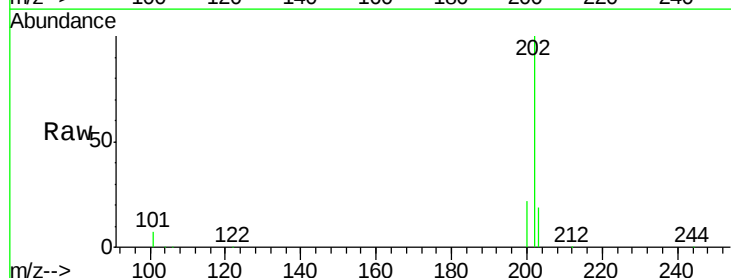
Tgt Ion:202 Resp: 3302077

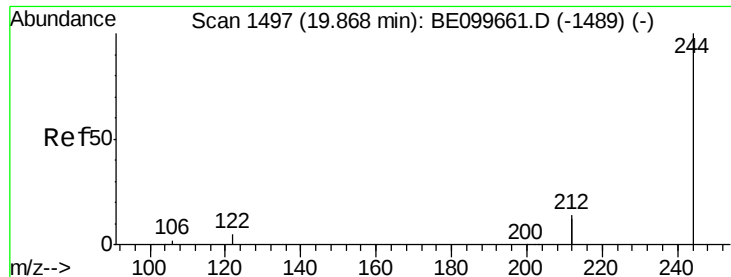
Ion Ratio Lower Upper

202 100

200 21.3 15.4 23.2

203 23.7 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.008 ng

RT: 19.89 min Scan# 1501

Delta R.T. 0.02 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

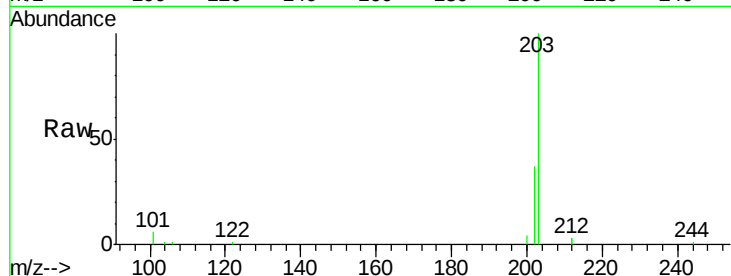
Tgt Ion:244 Resp: 333

Ion Ratio Lower Upper

244 100

212 554.2 22.5 33.7#

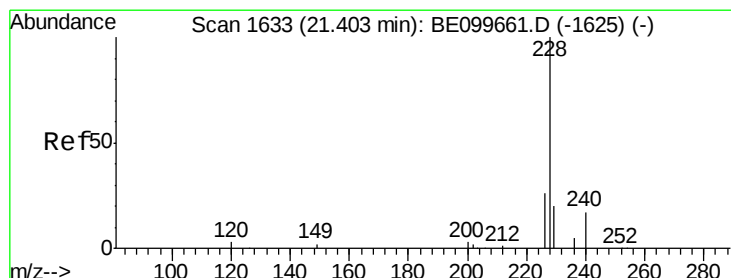
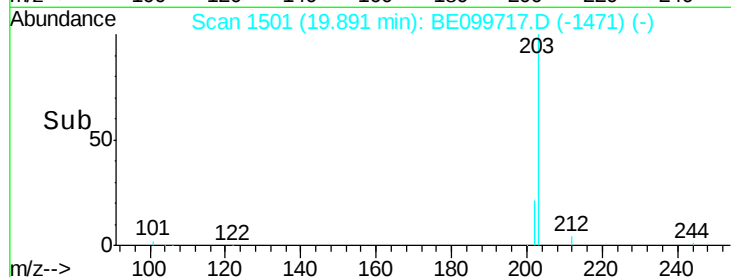
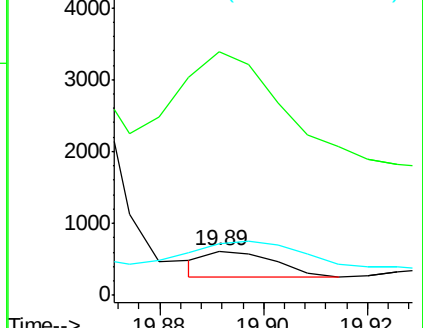
122 116.7 4.3 6.5#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 32.137 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

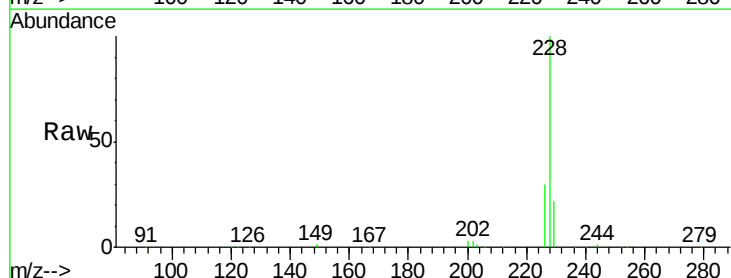
Tgt Ion:228 Resp: 2197881

Ion Ratio Lower Upper

228 100

226 29.7 21.3 31.9

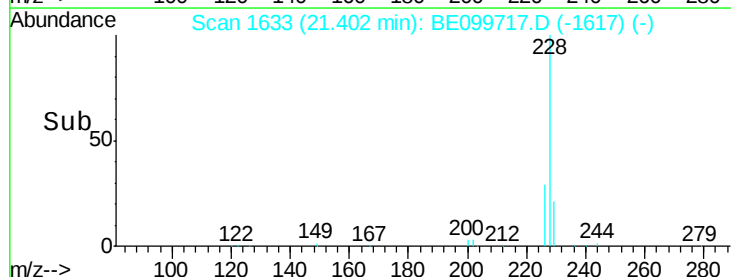
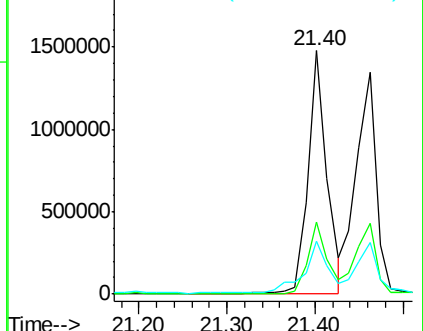
229 21.9 16.1 24.1

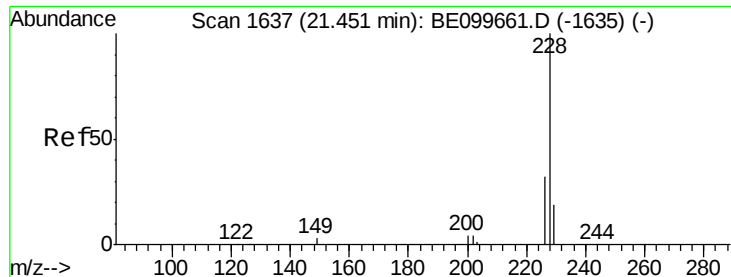


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 29.050 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.01 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

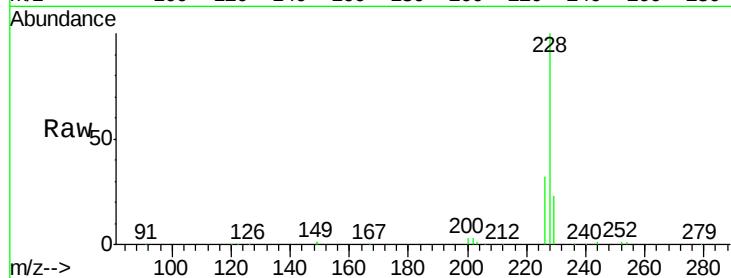
Tgt Ion:228 Resp: 2124172

Ion Ratio Lower Upper

228 100

226 31.8 24.7 37.1

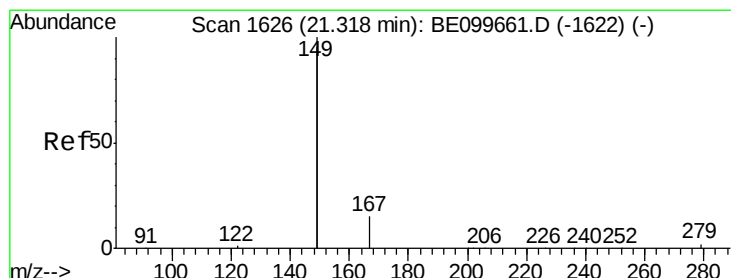
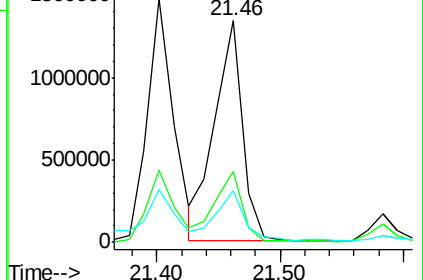
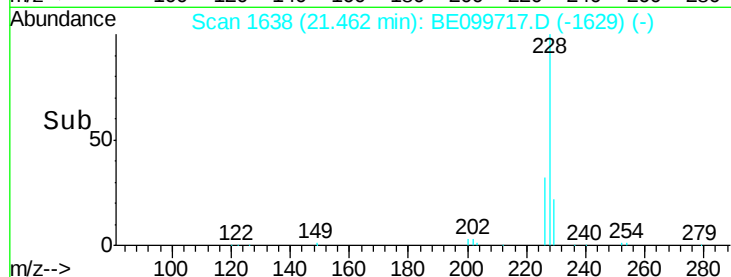
229 23.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 3.160 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

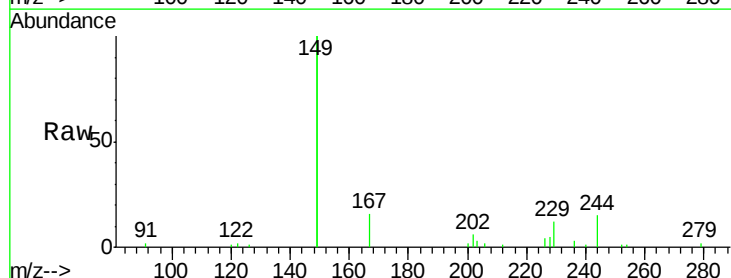
Tgt Ion:149 Resp: 249056

Ion Ratio Lower Upper

149 100

167 7.8 6.2 9.4

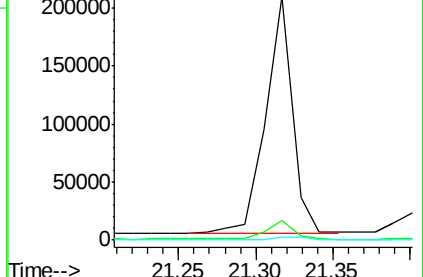
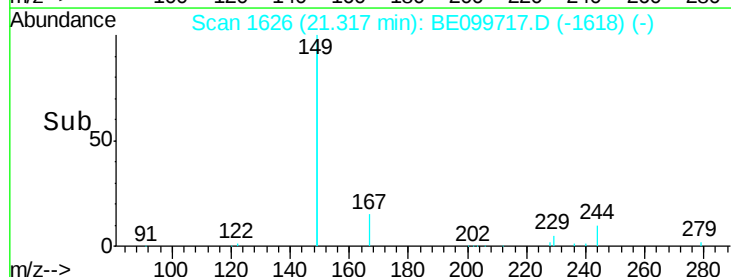
279 1.6 1.2 1.8

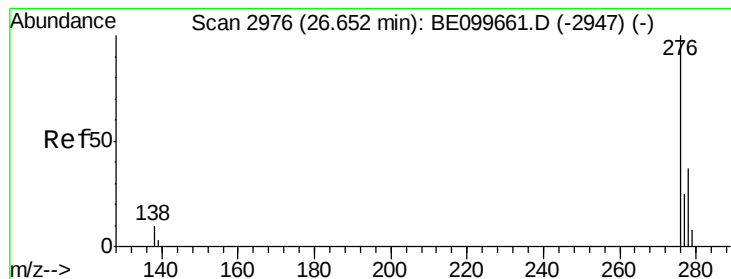


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 15.468 ng

RT: 26.67 min Scan# 2981

Delta R.T. 0.02 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

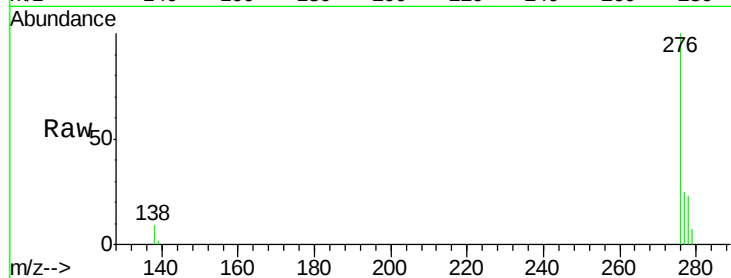
Tgt Ion:276 Resp: 1365475

Ion Ratio Lower Upper

276 100

138 9.3 9.6 14.4#

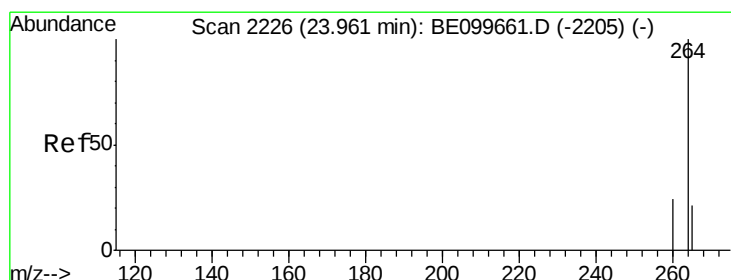
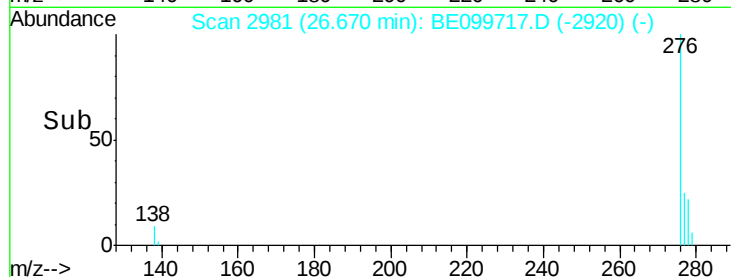
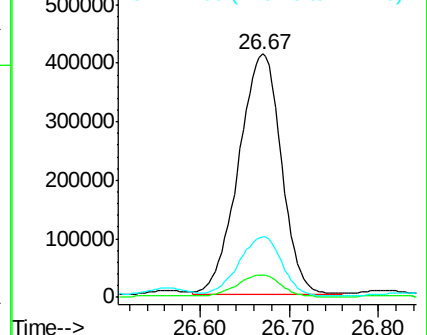
277 25.0 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.96 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

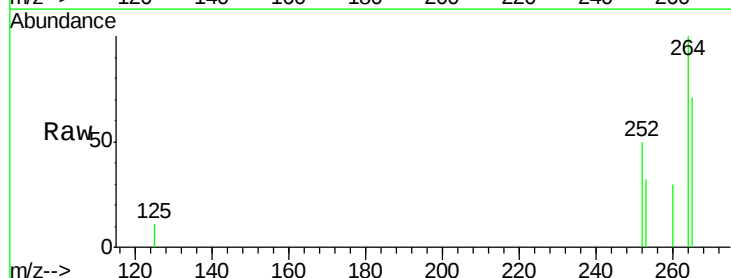
Tgt Ion:264 Resp: 25107

Ion Ratio Lower Upper

264 100

260 30.2 19.6 29.4#

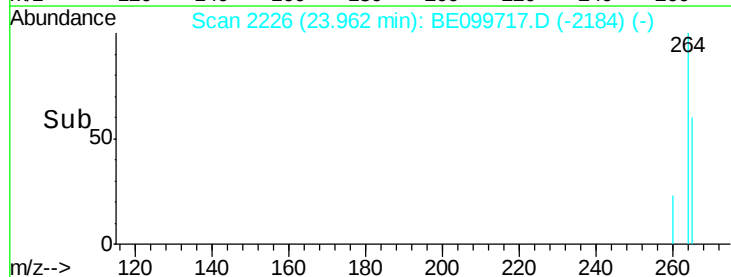
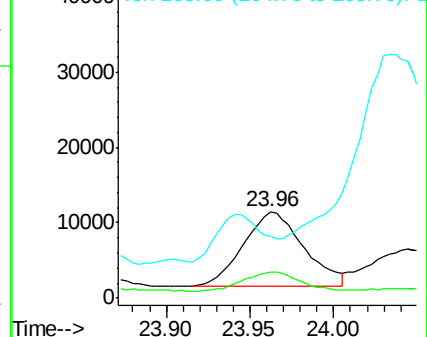
265 71.0 19.1 28.7#

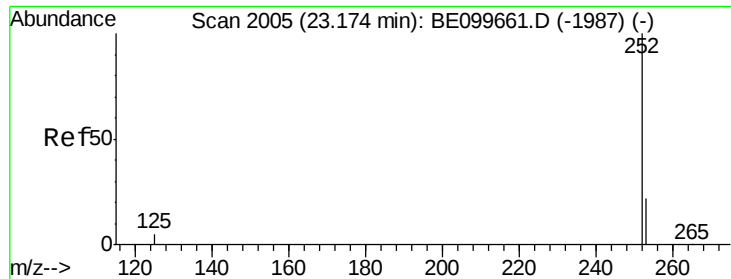


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 38.589 ng

RT: 23.19 min Scan# 2009

Delta R.T. 0.02 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

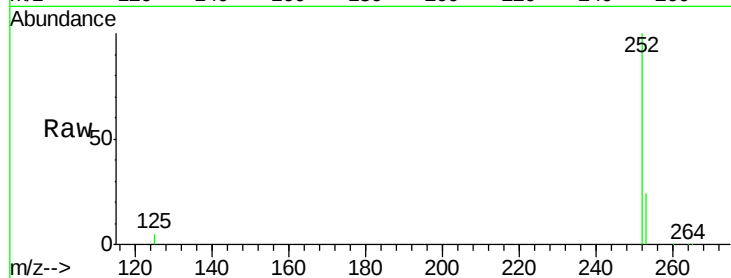
Tgt Ion:252 Resp: 2654910

Ion Ratio Lower Upper

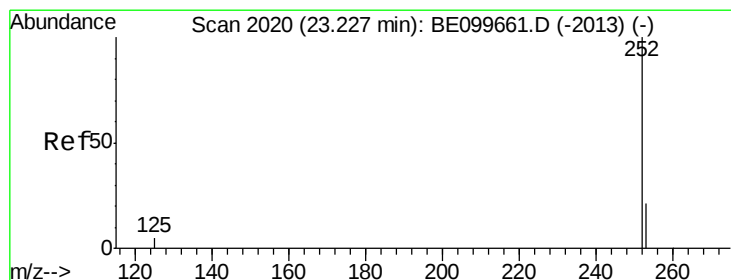
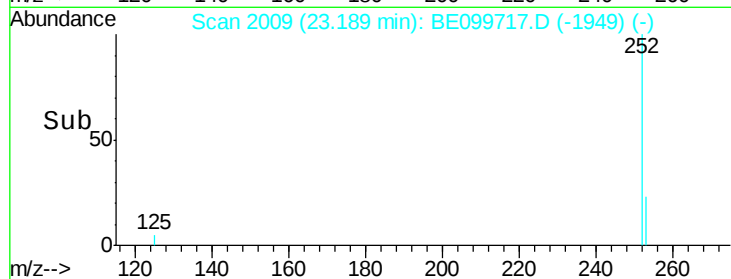
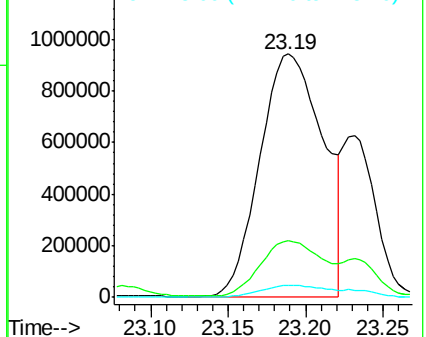
252 100

253 23.5 18.2 27.4

125 4.8 4.5 6.7



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



#36

Benzo(k)fluoranthene

Concen: 37.019 ng

RT: 23.19 min Scan# 2009

Delta R.T. -0.04 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

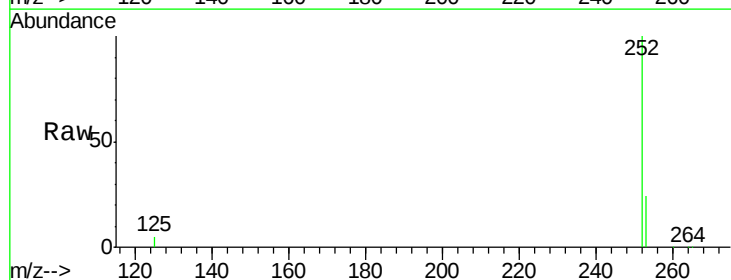
Tgt Ion:252 Resp: 2654910

Ion Ratio Lower Upper

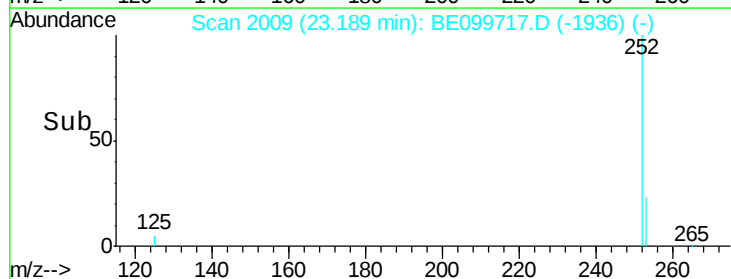
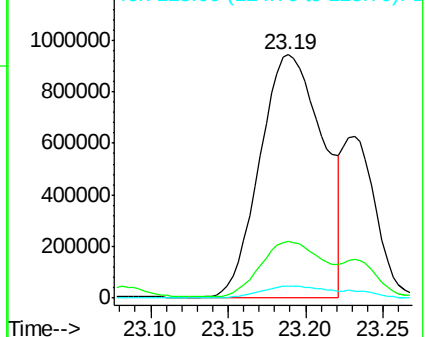
252 100

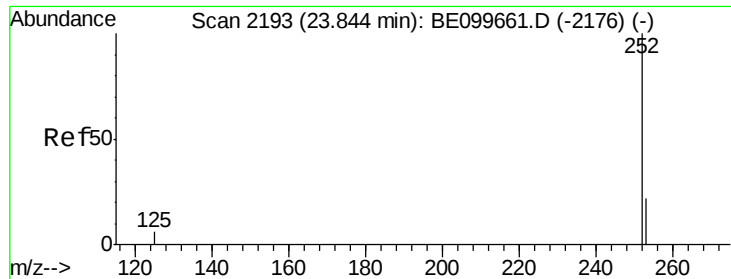
253 23.5 17.8 26.8

125 4.8 4.6 6.8



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: 19.850 ng

RT: 23.74 min Scan# 2164

Delta R.T. -0.10 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

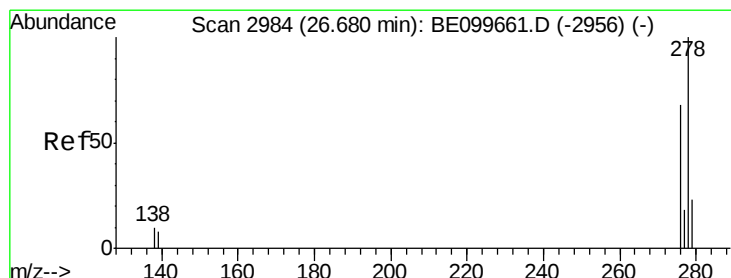
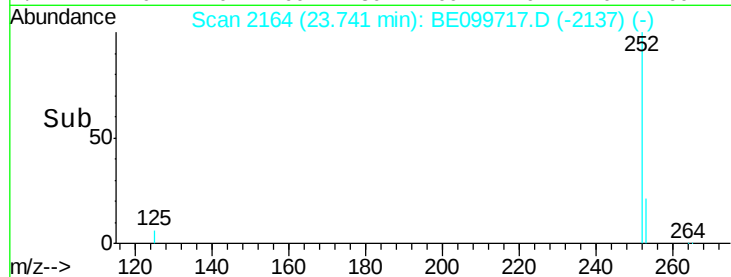
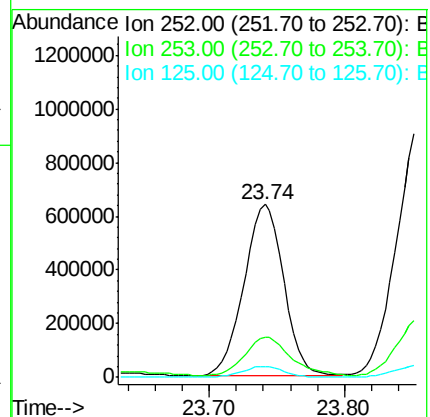
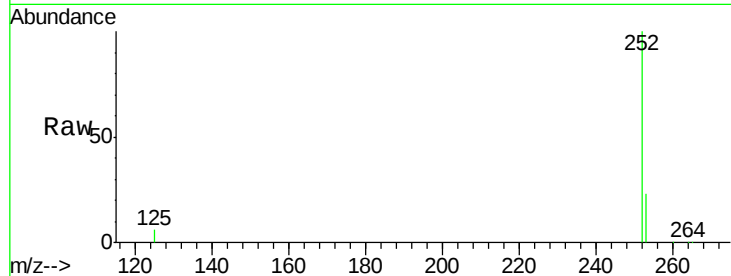
Tgt Ion:252 Resp: 1314210

Ion Ratio Lower Upper

252 100

253 23.3 18.9 28.3

125 6.5 5.4 8.0



#38

Dibenzo(a,h)anthracene

Concen: 5.187 ng

RT: 26.68 min Scan# 2984

Delta R.T. 0.00 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

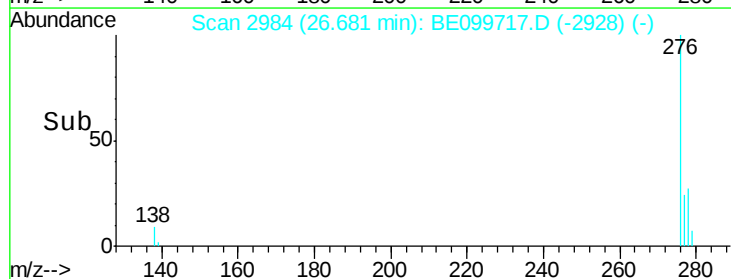
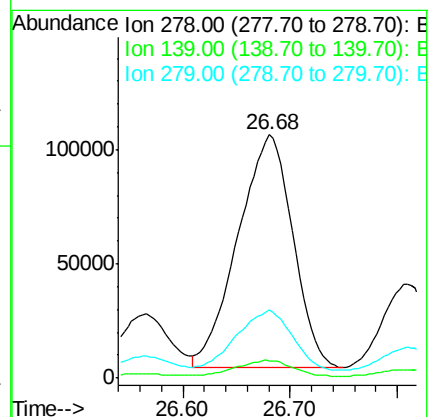
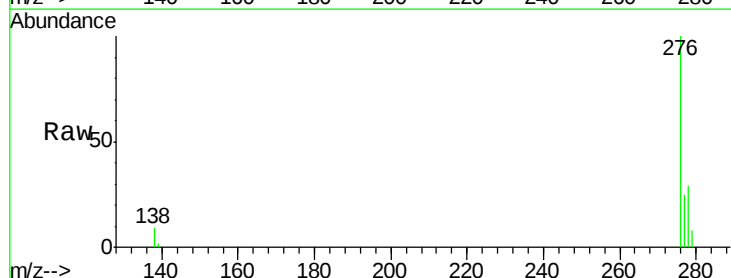
Tgt Ion:278 Resp: 360569

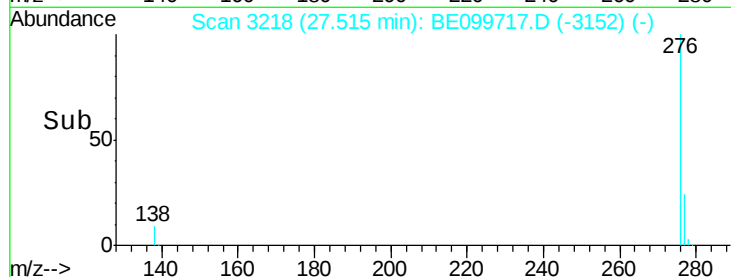
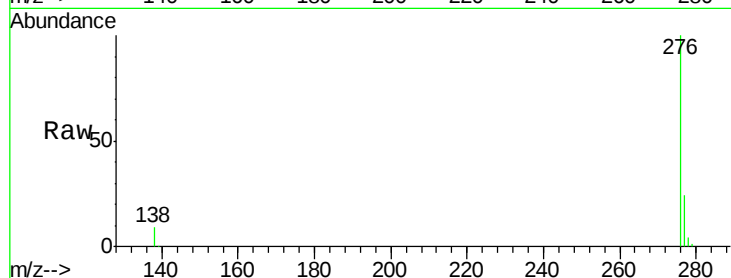
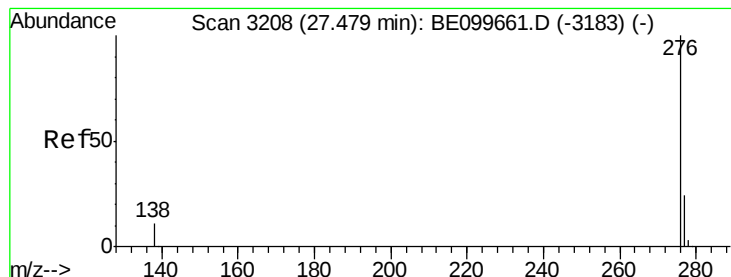
Ion Ratio Lower Upper

278 100

139 7.2 6.9 10.3

279 27.8 19.2 28.8





#39

Benzo(g,h,i)perylene

Concen: 18.786 ng

RT: 27.52 min Scan# 3218

Delta R.T. 0.04 min

Lab File: BE099717.D

Acq: 22 May 2019 13:20

Instrument :

BNA_E

ClientSampleId :

FESB-18(2.5-3.0)

Tgt Ion:276 Resp: 1318869

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 9.2 9.2 13.8

