

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052019\
 Data File : BE099683.D
 Acq On : 21 May 2019 4:55
 Operator : JU/SJ
 Sample : K2906-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-09(4-4.5)

Quant Time: May 21 06:45:24 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	1418	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5052	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3707	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11206	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15863	0.40	ng	0.00
34) Perylene-d12	23.96	264	19407	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1137	0.32	ng	0.00
5) Phenol-d6	6.97	99	1559	0.33	ng	0.00
8) Nitrobenzene-d5	8.98	82	1203	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2453	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	598	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	3800	0.27	ng	0.00
25) Fluoranthene-d10	19.26	212	41281	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	8466	0.30	ng	0.00

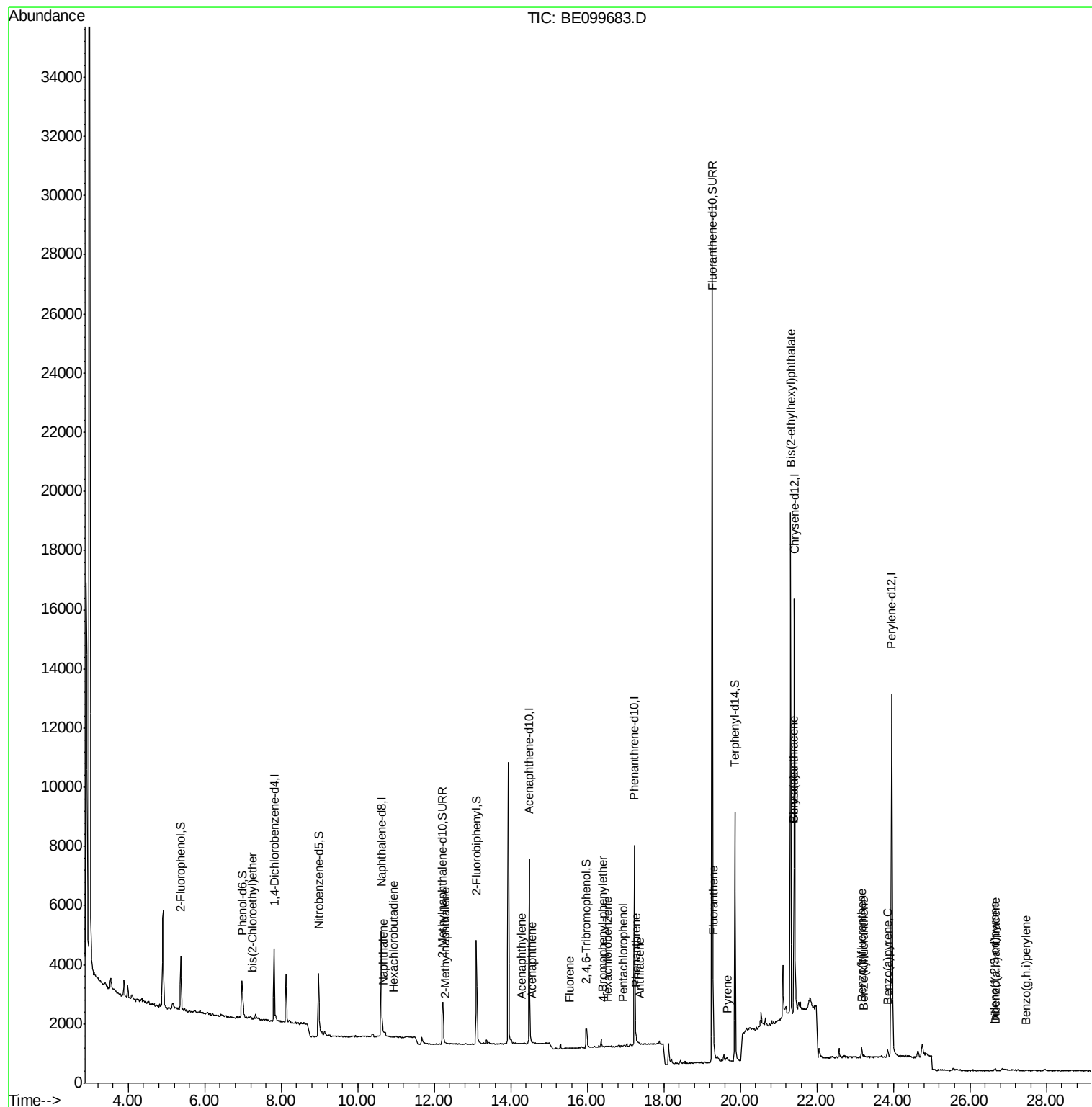
Target Compounds				Qvalue		
6) bis(2-Chloroethyl)ether	7.25	93	19	0.005	ng	# 1
9) Naphthalene	10.67	128	143	0.003	ng	# 49
10) Hexachlorobutadiene	10.93	225	5	0.001	ng	# 1
12) 2-Methylnaphthalene	12.30	142	6	0.001	ng	# 55
16) Acenaphthylene	14.28	152	12	0.001	ng	# 61
17) Acenaphthene	14.56	154	11	0.001	ng	# 70
18) Fluorene	15.53	166	20	0.001	ng	# 87
20) 4-Bromophenyl-phenylether	16.40	248	2	0.000	ng	# 59
21) Hexachlorobenzene	16.53	284	15	0.002	ng	# 25
22) Pentachlorophenol	16.93	266	9	0.185	ng	# 78
23) Phenanthrene	17.27	178	178	0.007	ng	# 85
24) Anthracene	17.36	178	28	0.001	ng	# 33
26) Fluoranthene	19.29	202	121	0.003	ng	# 83
28) Pyrene	19.66	202	112	0.003	ng	# 81
30) Benzo(a)anthracene	21.40	228	200	0.004	ng	# 1
31) Chrysene	21.40	228	170	0.004	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.32	149	19979	0.385	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	10	0.000	ng	# 35
35) Benzo(b)fluoranthene	23.17	252	121	0.002	ng	# 1
36) Benzo(k)fluoranthene	23.22	252	35	0.001	ng	# 1
37) Benzo(a)pyrene	23.84	252	39	0.001	ng	# 1
38) Dibenzo(a,h)anthracene	26.68	278	12	0.000	ng	# 1
39) Benzo(g,h,i)perylene	27.48	276	9	0.000	ng	# 1

(#) = 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: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

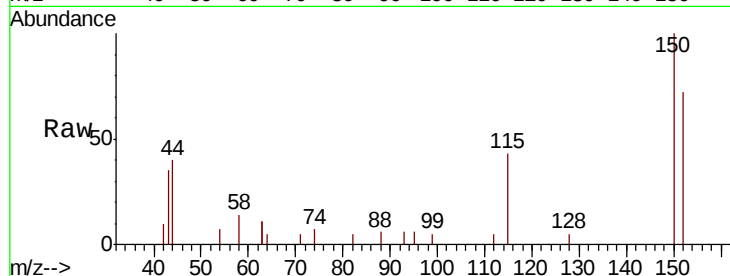
Tgt Ion:152 Resp: 1418

Ion Ratio Lower Upper

152 100

150 139.1 109.2 163.8

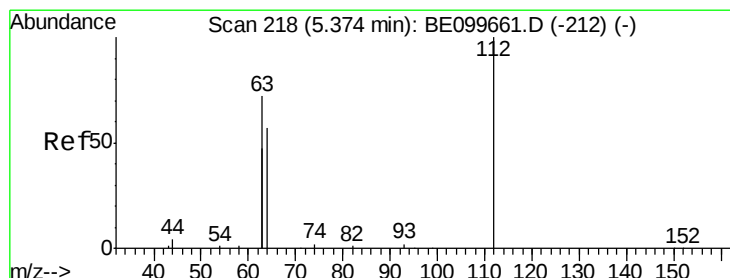
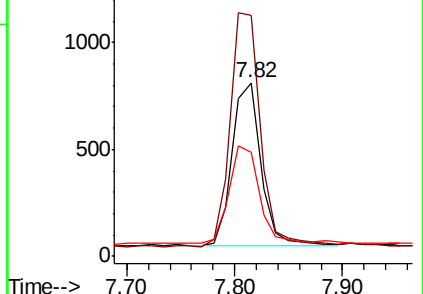
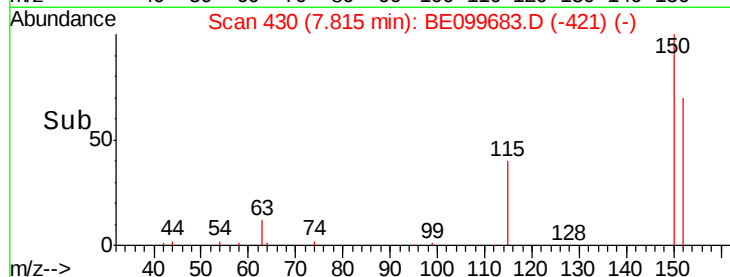
115 60.3 43.7 65.5



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



#4

2-Fluorophenol

Concen: 0.317 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

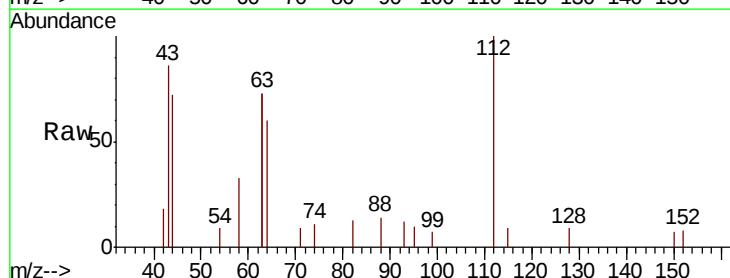
Tgt Ion:112 Resp: 1137

Ion Ratio Lower Upper

112 100

64 55.1 43.4 65.2

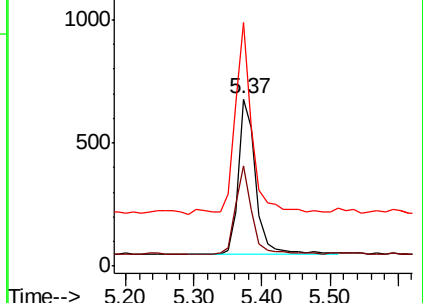
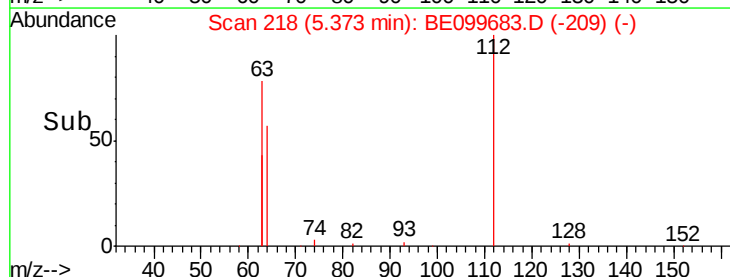
63 121.8 96.9 145.3

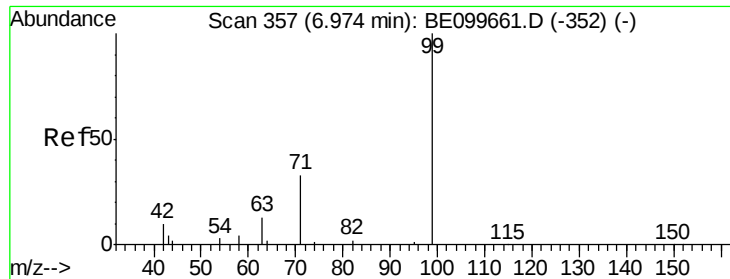


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.329 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

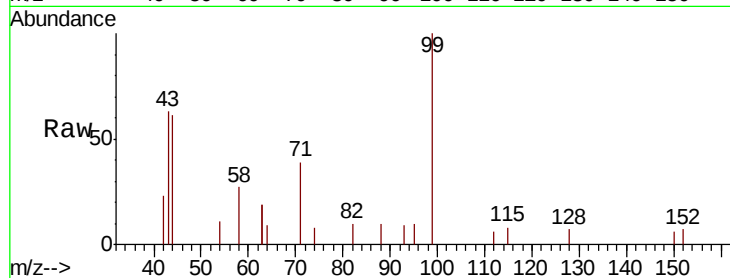
Tgt Ion: 99 Resp: 1559

Ion Ratio Lower Upper

99 100

42 12.3 12.2 18.2

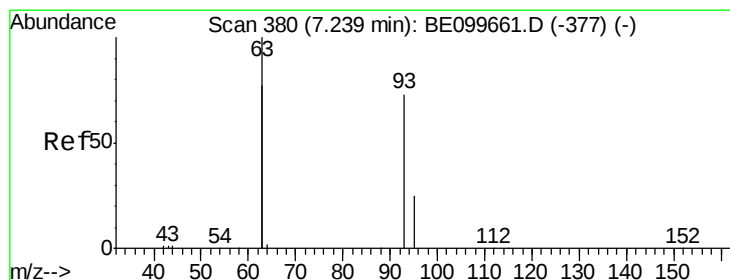
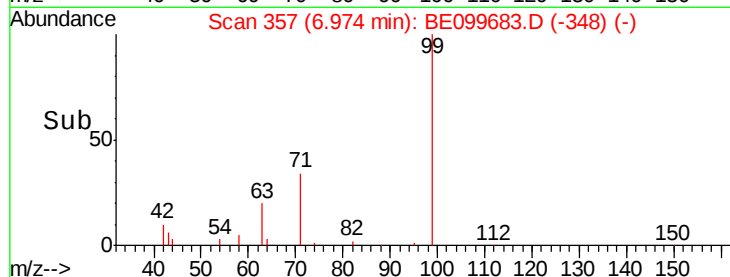
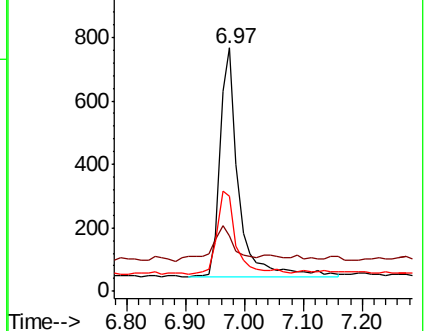
71 38.7 28.9 43.3



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: 0.005 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

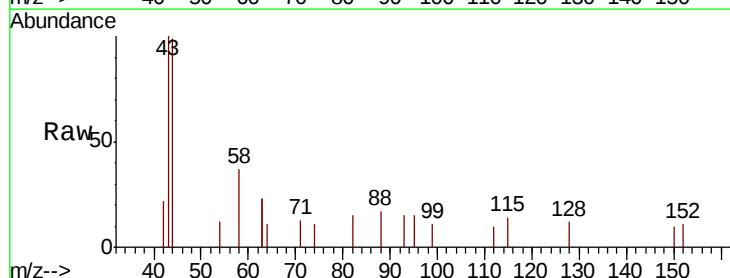
Tgt Ion: 93 Resp: 19

Ion Ratio Lower Upper

93 100

63 0.0 207.8 311.6#

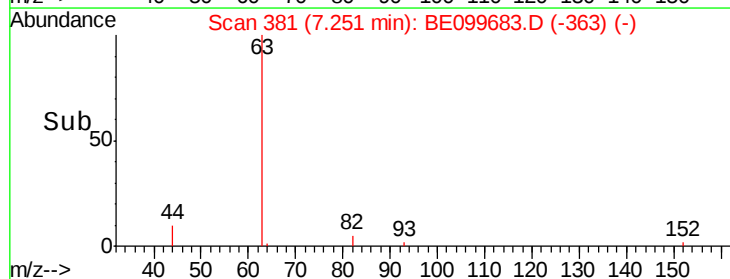
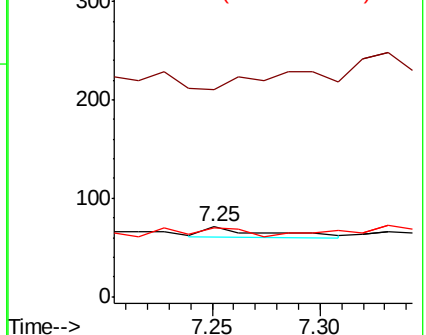
95 0.0 25.9 38.9#

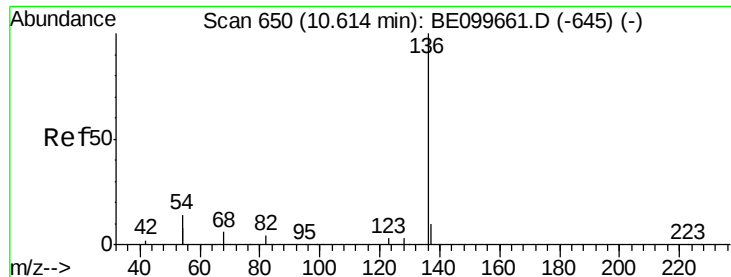


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

Tgt Ion:136 Resp: 5052

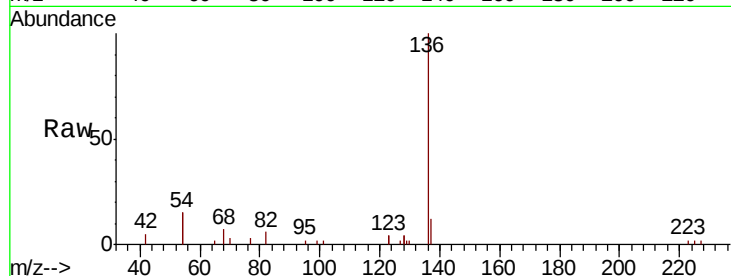
Ion Ratio Lower Upper

136 100

137 11.9 9.0 13.6

54 29.4 22.3 33.5

68 7.4 6.0 9.0

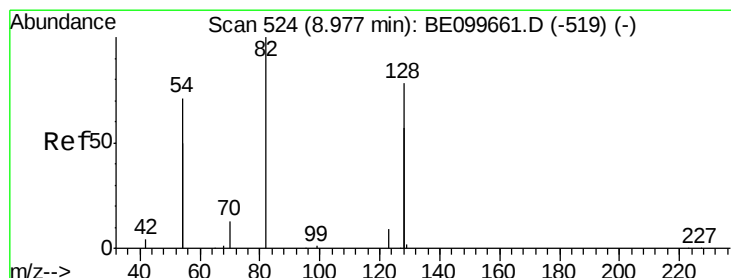
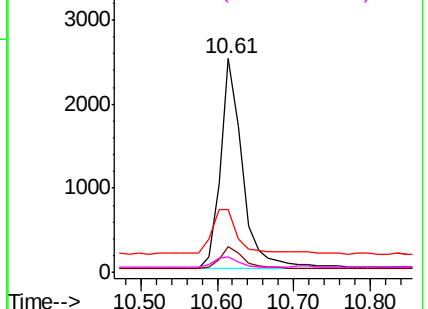
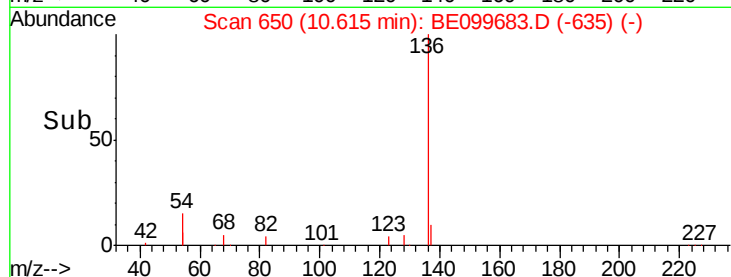


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.275 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

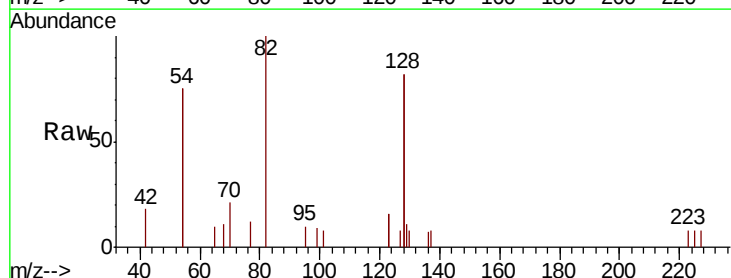
Tgt Ion: 82 Resp: 1203

Ion Ratio Lower Upper

82 100

128 164.1 117.7 176.5

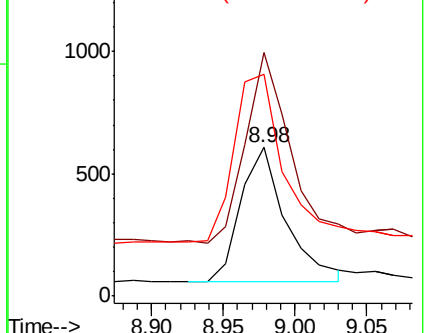
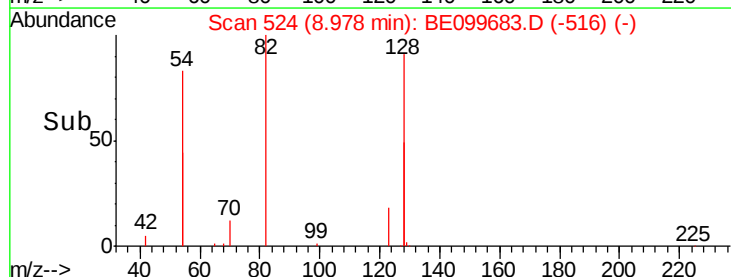
54 149.6 106.6 160.0

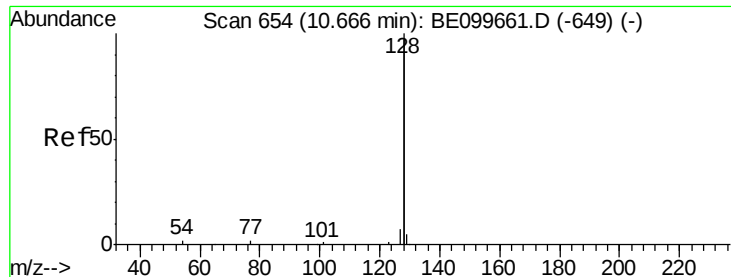


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.003 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

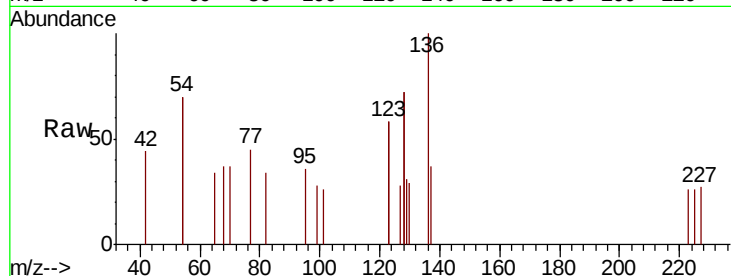
Tgt Ion:128 Resp: 143

Ion Ratio Lower Upper

128 100

129 21.4 2.4 3.6#

127 19.0 2.9 4.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

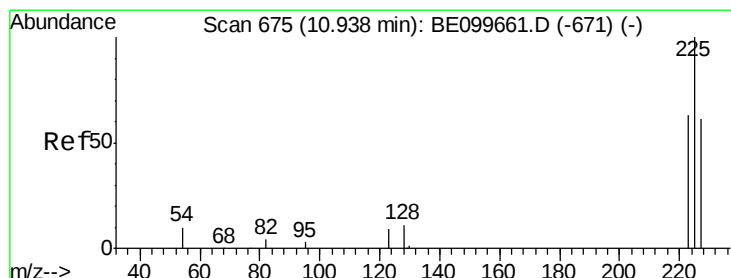
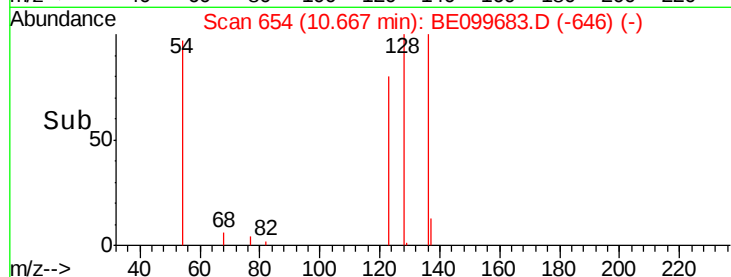
10.67

200

100

0

Time-->



#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

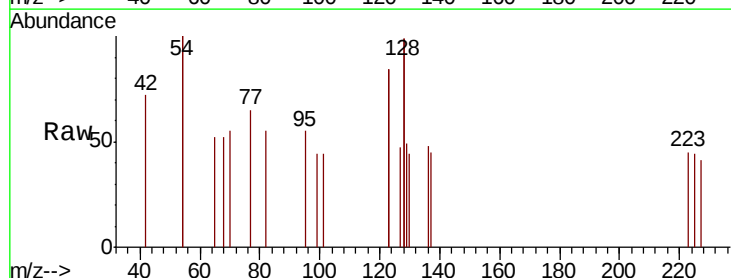
Tgt Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 51.8 77.6#

227 160.0 52.6 79.0#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

10.93

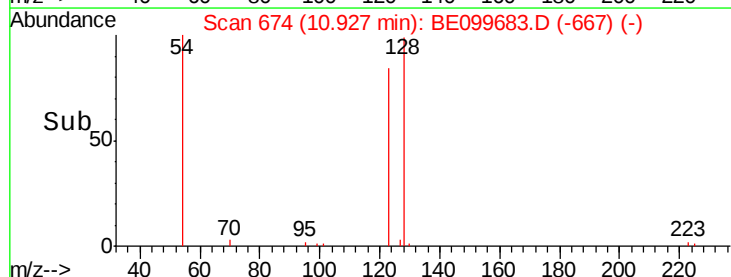
60

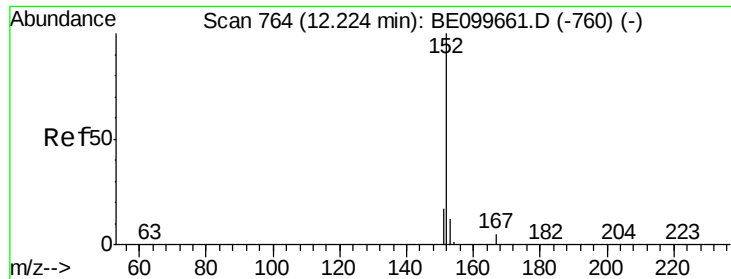
40

20

0

Time-->

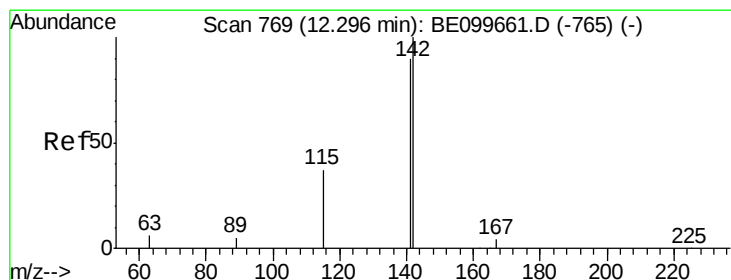
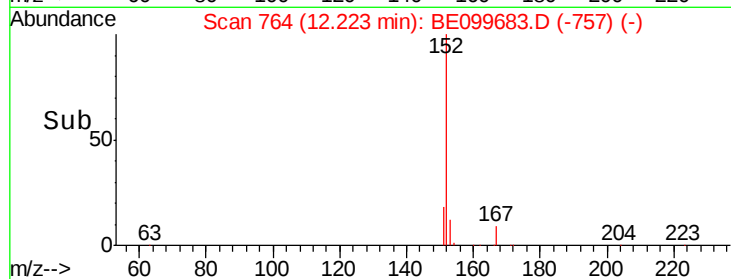
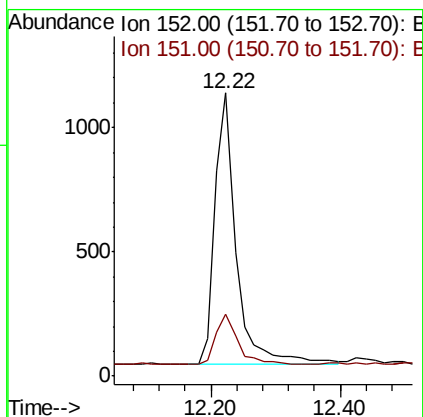
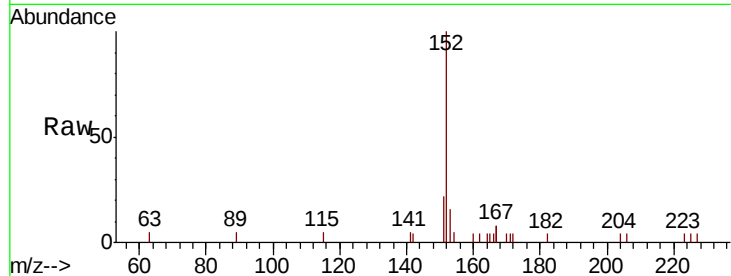




#11
 2-Methylnaphthalene-d10
 Concen: 0.281 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099683.D
 Acq: 21 May 2019 4:55

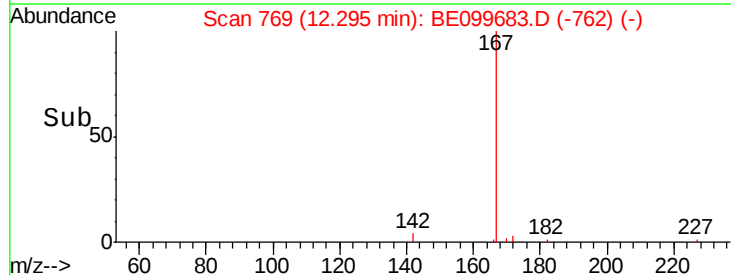
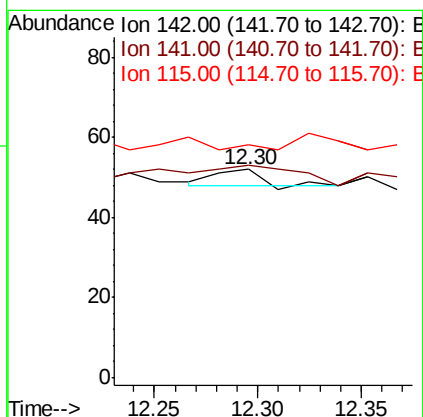
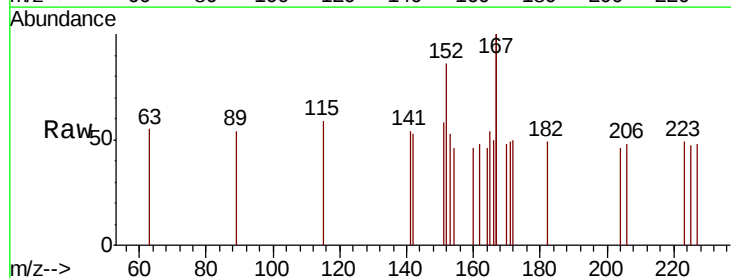
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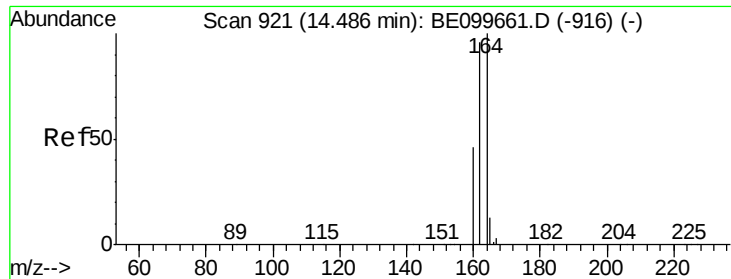
Tgt Ion:152 Resp: 2453
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.001 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099683.D
 Acq: 21 May 2019 4:55

Tgt Ion:142 Resp: 6
 Ion Ratio Lower Upper
 142 100
 141 101.9 72.0 108.0
 115 111.5 31.0 46.4#

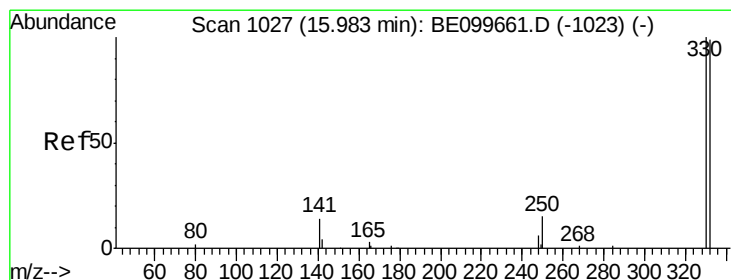
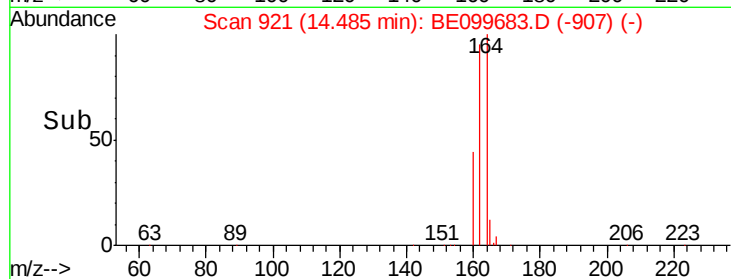
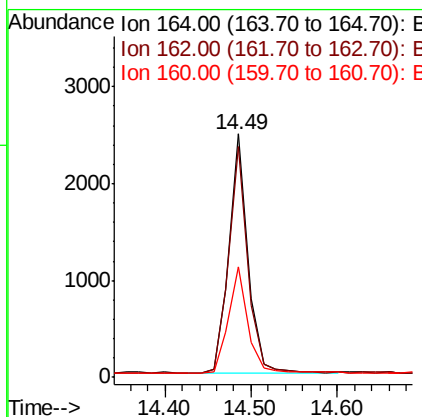
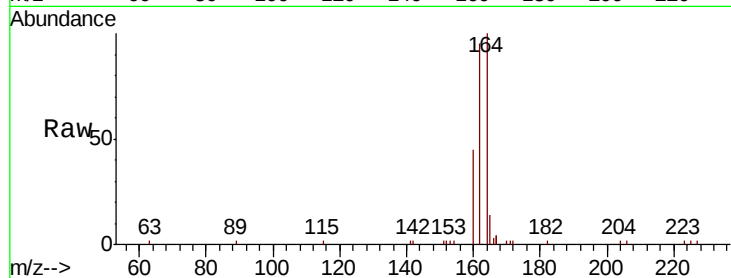




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099683.D
Acq: 21 May 2019 4:55

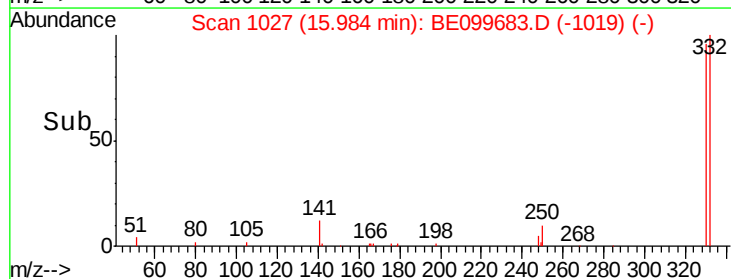
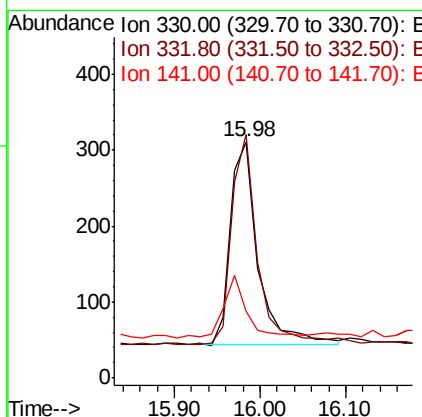
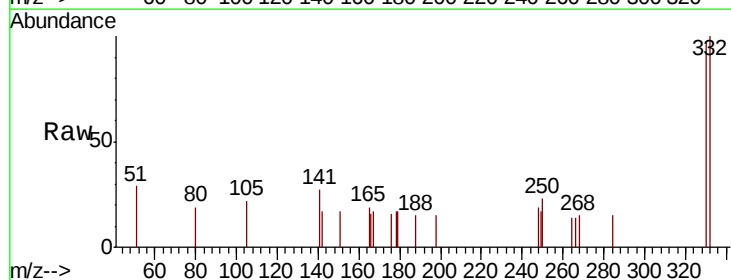
Instrument :
BNA_E
ClientSampleId :
FESB-09(4-4.5)

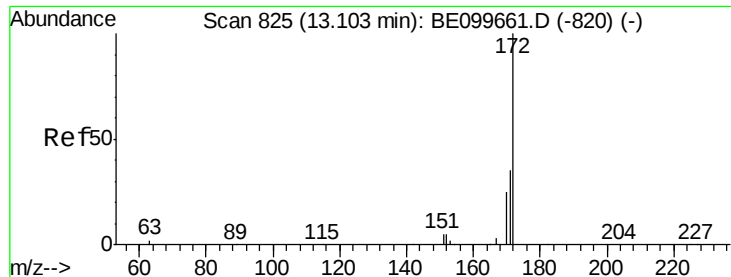
Tgt Ion:164 Resp: 3707
Ion Ratio Lower Upper
164 100
162 94.9 76.5 114.7
160 45.2 37.4 56.2



#14
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099683.D
Acq: 21 May 2019 4:55

Tgt Ion:330 Resp: 598
Ion Ratio Lower Upper
330 100
332 98.7 77.3 115.9
141 25.9 18.9 28.3

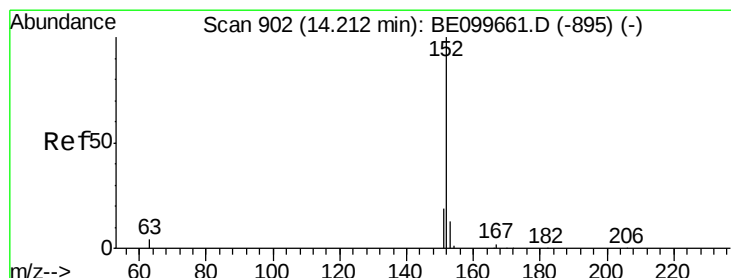
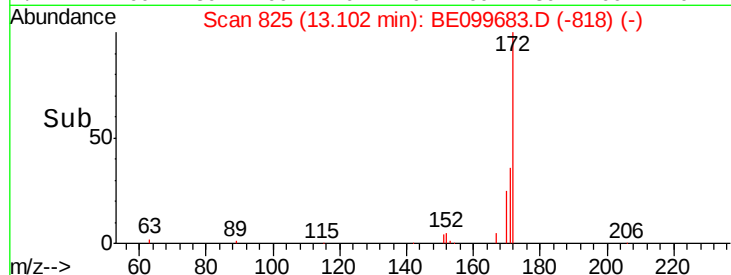
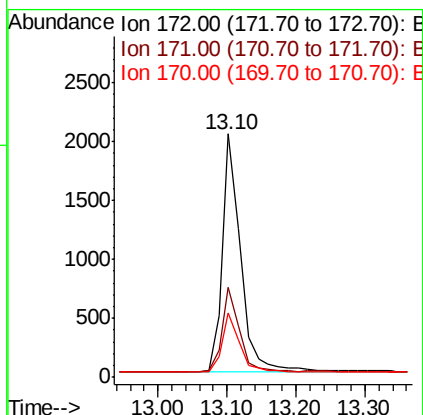
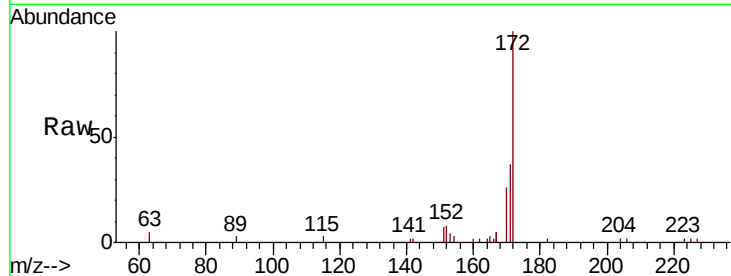




#15
2-Fluorobiphenyl
Concen: 0.270 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099683.D
Acq: 21 May 2019 4:55

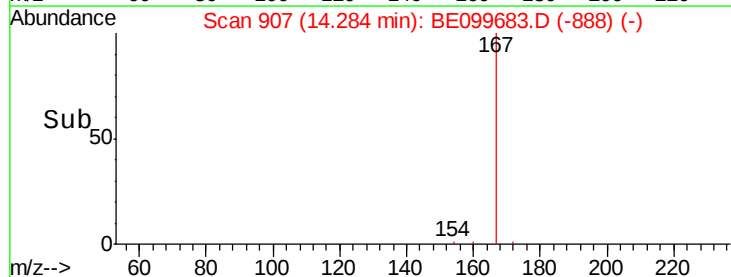
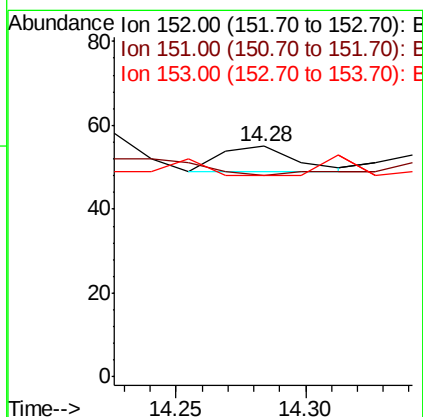
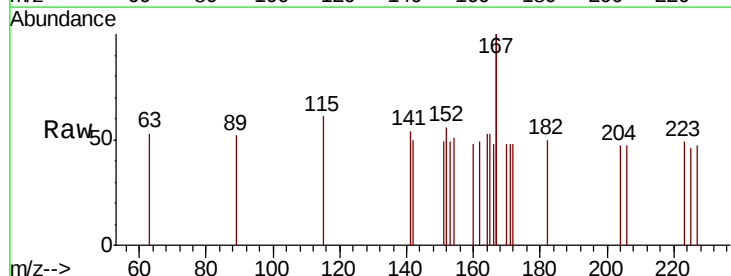
Instrument :
BNA_E
ClientSampleId :
FESB-09(4-4.5)

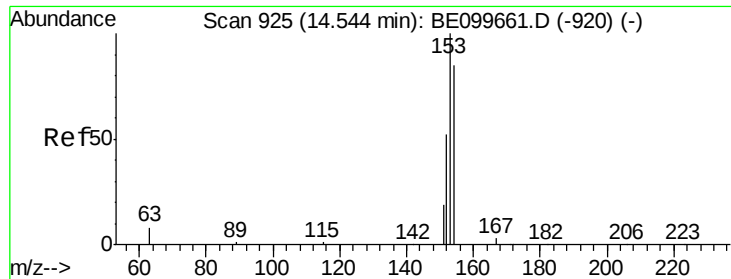
Tgt Ion:172 Resp: 3800
Ion Ratio Lower Upper
172 100
171 36.9 28.7 43.1
170 26.4 20.9 31.3



#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.28 min Scan# 907
Delta R.T. 0.07 min
Lab File: BE099683.D
Acq: 21 May 2019 4:55

Tgt Ion:152 Resp: 12
Ion Ratio Lower Upper
152 100
151 0.0 15.9 23.9#
153 0.0 10.6 16.0#





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.01 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

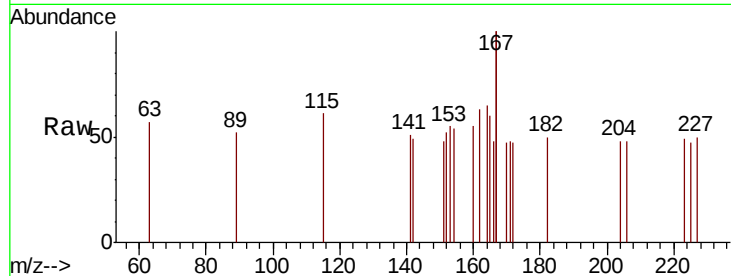
Tgt Ion:154 Resp: 11

Ion Ratio Lower Upper

154 100

153 145.5 91.8 137.6#

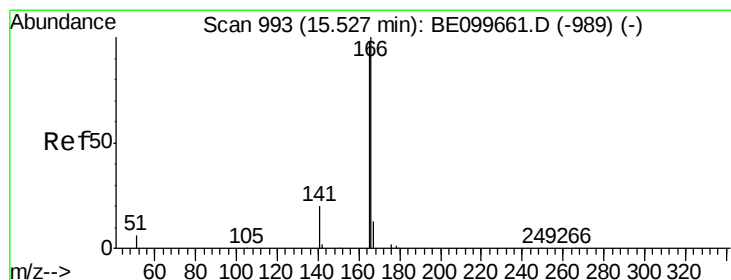
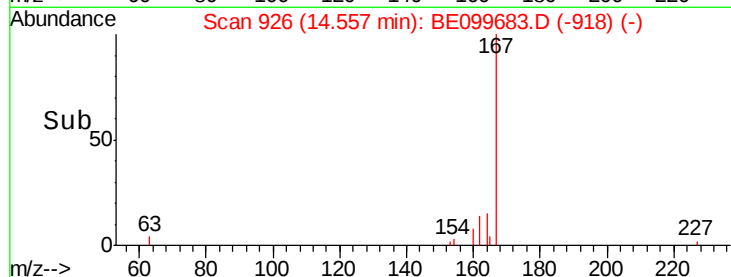
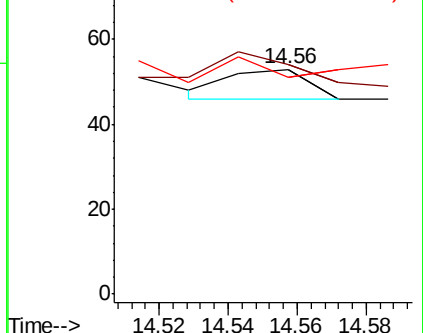
152 81.8 46.0 69.0#



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: 0.001 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

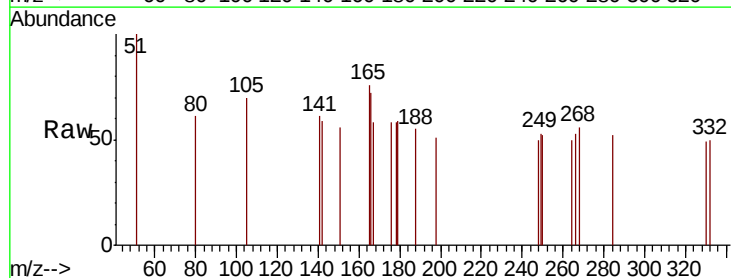
Tgt Ion:166 Resp: 20

Ion Ratio Lower Upper

166 100

165 90.0 80.3 120.5

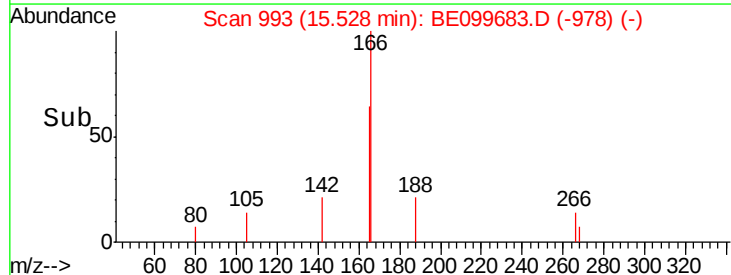
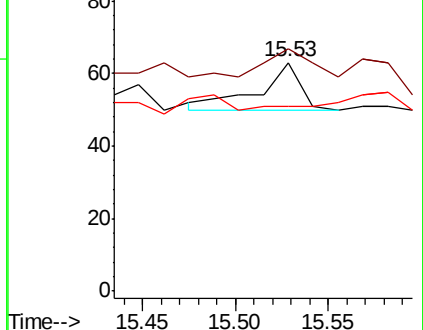
167 0.0 10.6 16.0#

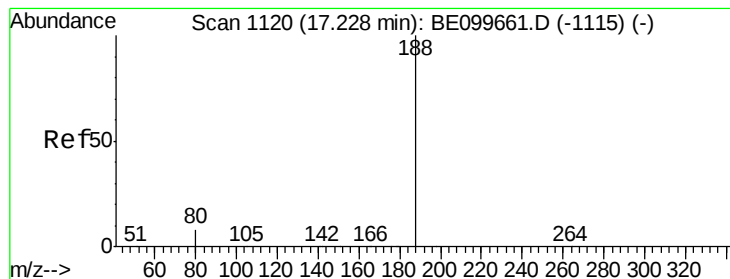


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

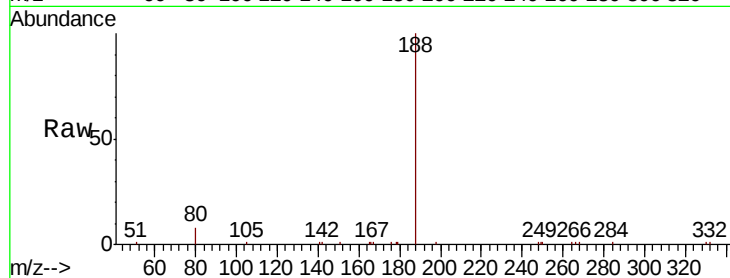
Tgt Ion:188 Resp: 11206

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

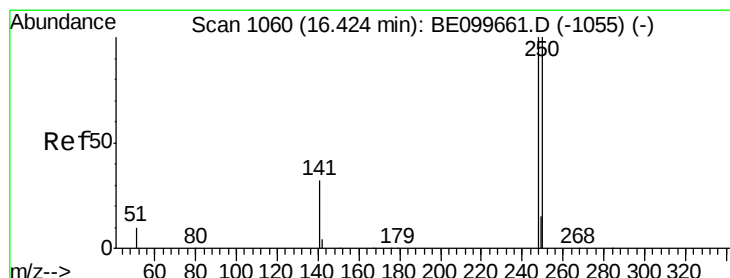
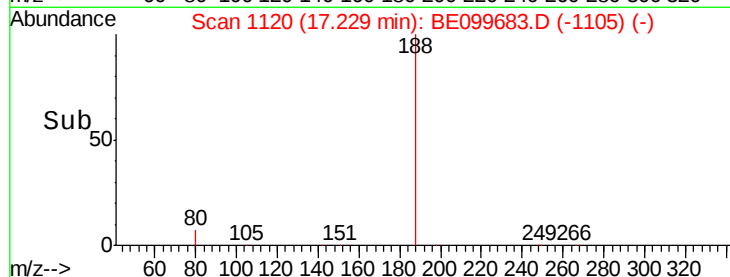
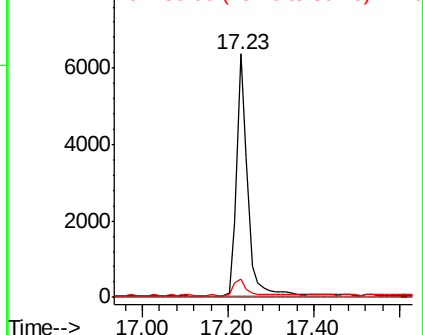
80 7.6 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.000 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

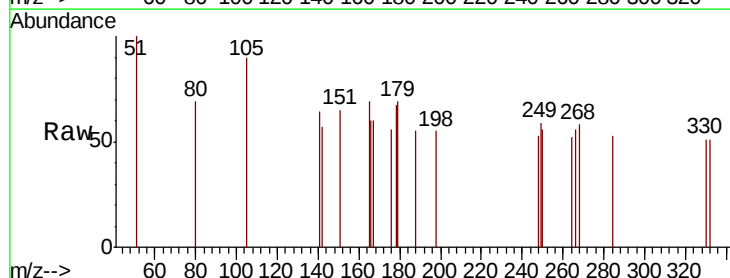
Tgt Ion:248 Resp: 2

Ion Ratio Lower Upper

248 100

250 104.3 79.8 119.8

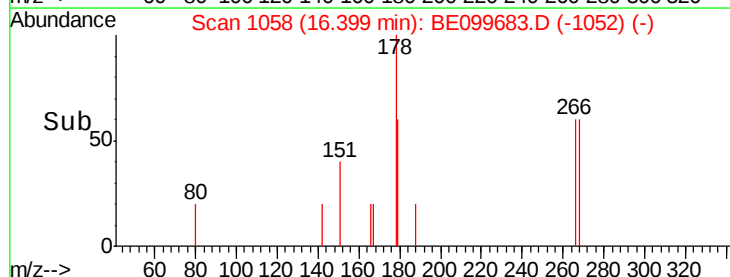
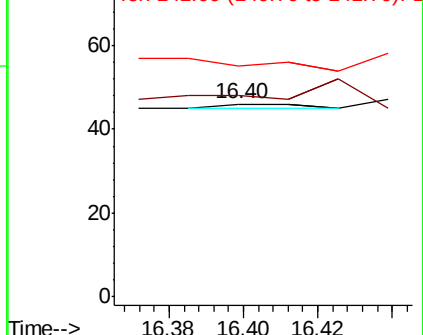
141 119.6 27.0 40.6#

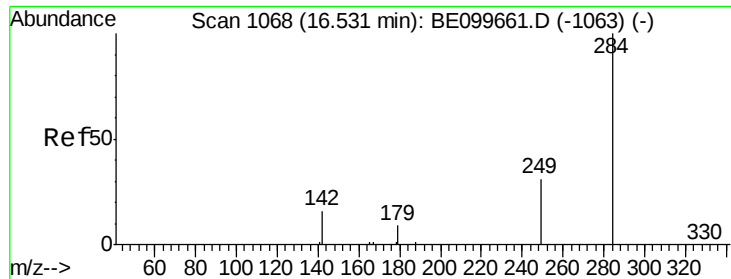


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.002 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

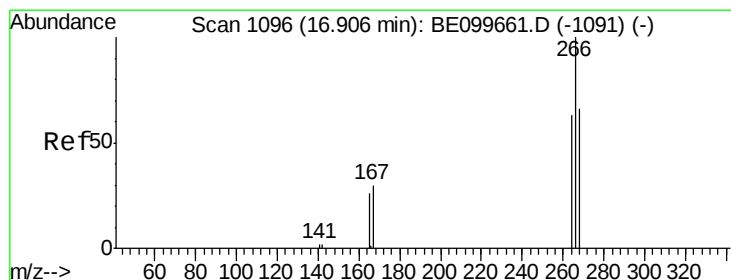
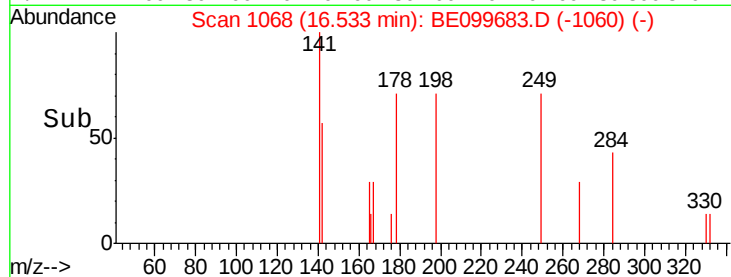
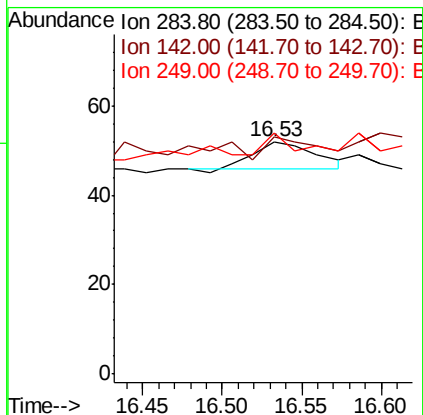
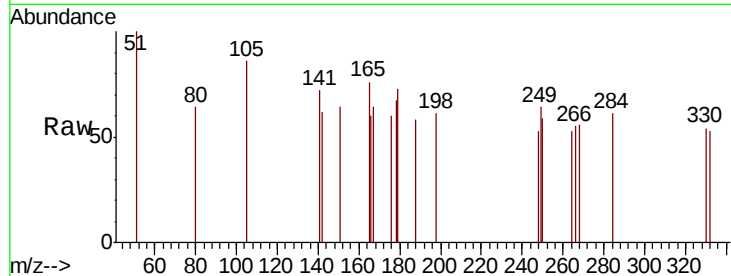
Tgt Ion:284 Resp: 15

Ion Ratio Lower Upper

284 100

142 73.3 17.8 26.6#

249 60.0 24.8 37.2#



#22

Pentachlorophenol

Concen: 0.185 ng

RT: 16.93 min Scan# 1098

Delta R.T. 0.03 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

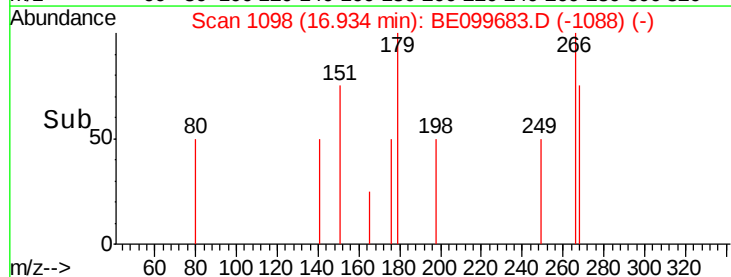
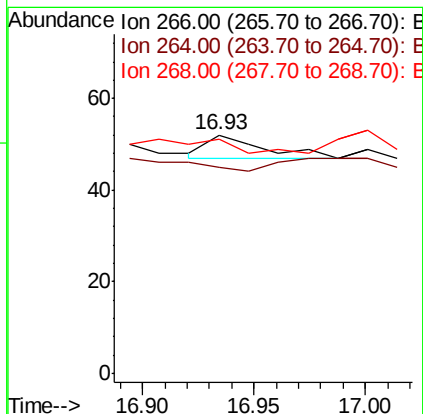
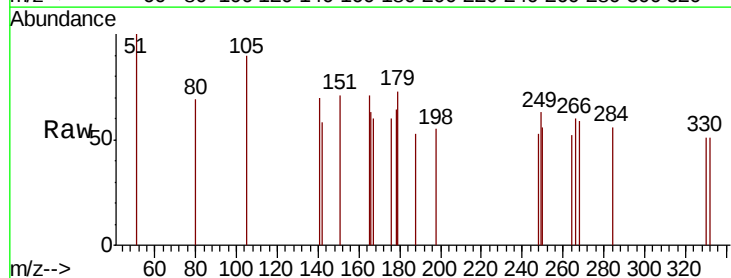
Tgt Ion:266 Resp: 9

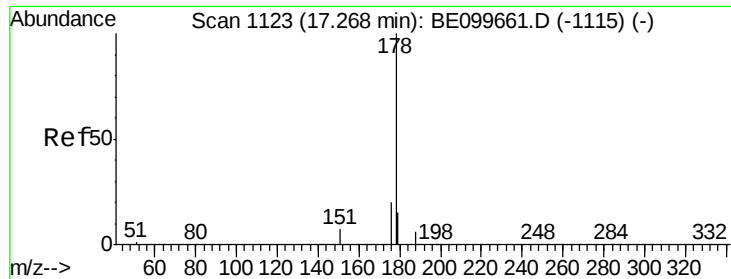
Ion Ratio Lower Upper

266 100

264 86.5 57.2 85.8#

268 98.1 60.5 90.7#





#23

Phenanthrene

Concen: 0.007 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

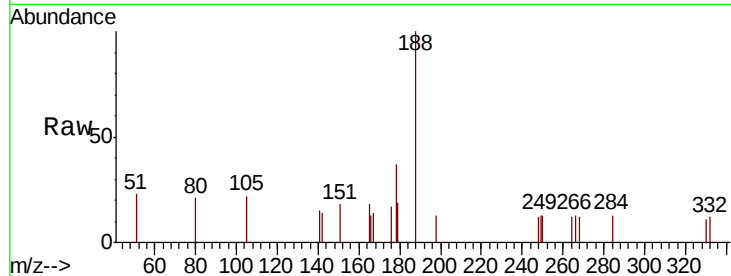
Tgt Ion:178 Resp: 178

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

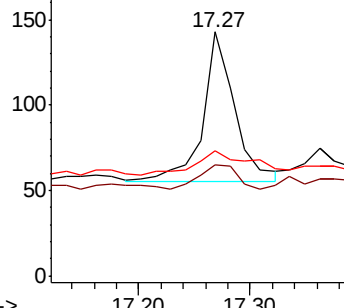
179 28.1 12.2 18.4#



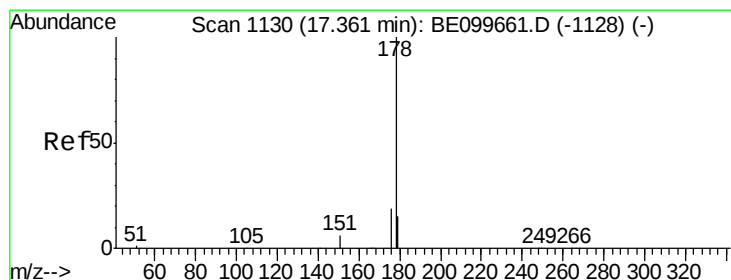
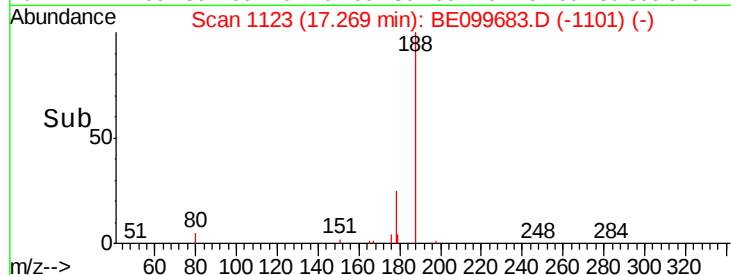
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.001 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

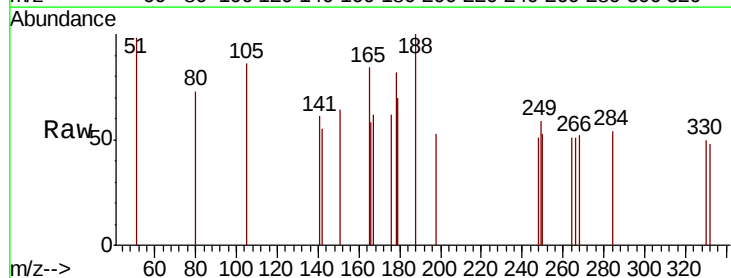
Tgt Ion:178 Resp: 28

Ion Ratio Lower Upper

178 100

176 60.7 14.7 22.1#

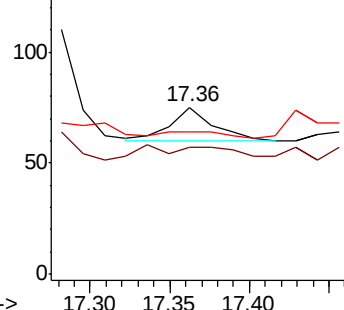
179 28.6 12.0 18.0#



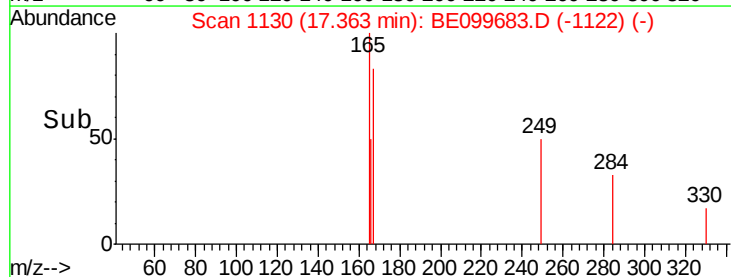
Abundance Ion 178.00 (177.70 to 178.70): E

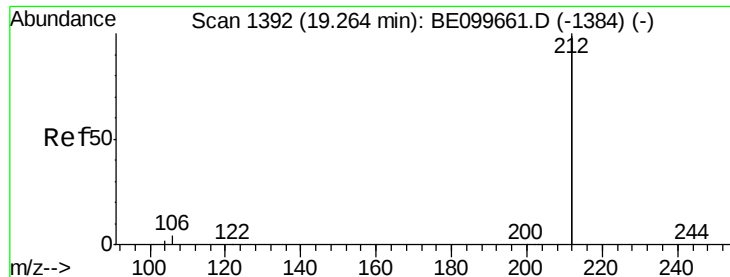
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.270 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

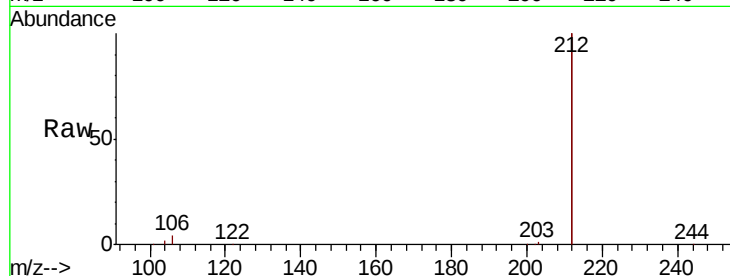
Tgt Ion:212 Resp: 41281

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

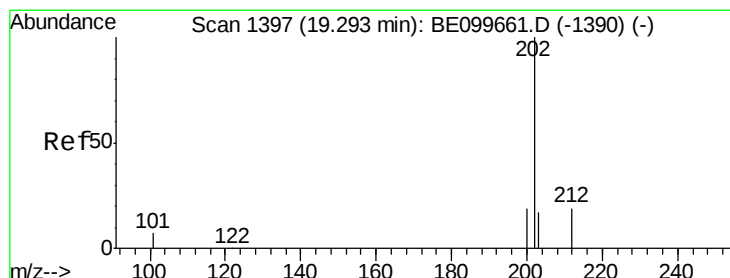
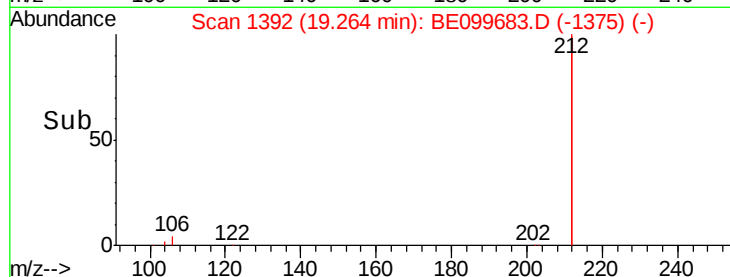
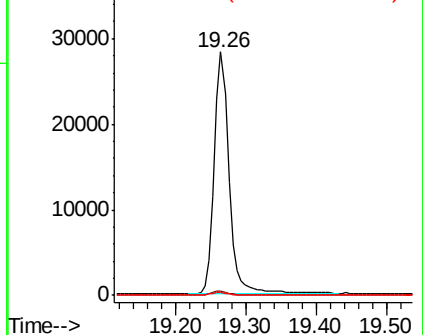
104 1.1 0.8 1.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.003 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

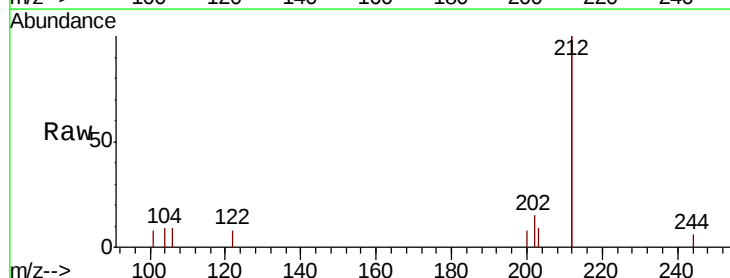
Tgt Ion:202 Resp: 121

Ion Ratio Lower Upper

202 100

101 27.3 5.2 7.8#

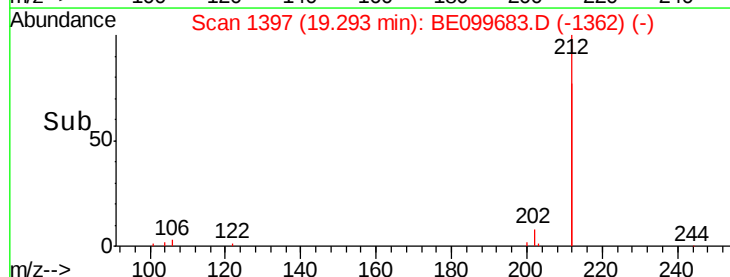
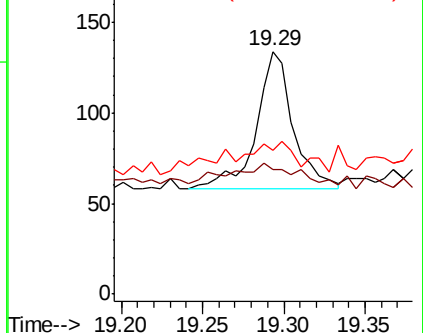
203 17.4 13.8 20.6

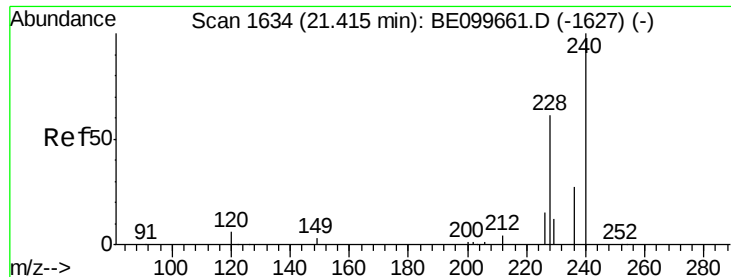


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

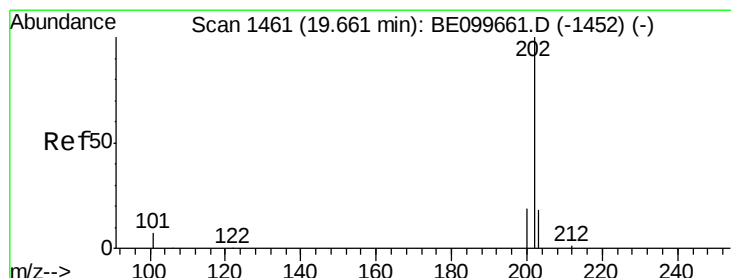
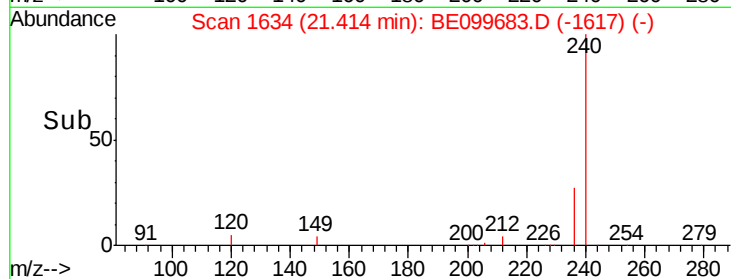
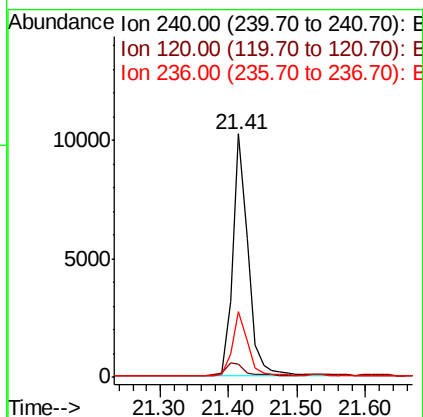
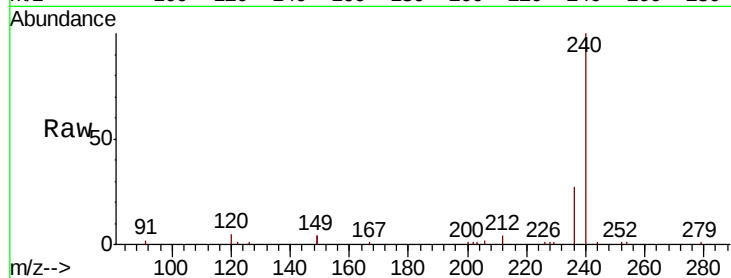




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099683.D
 Acq: 21 May 2019 4:55

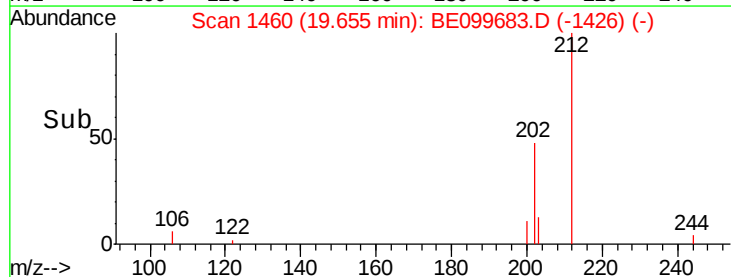
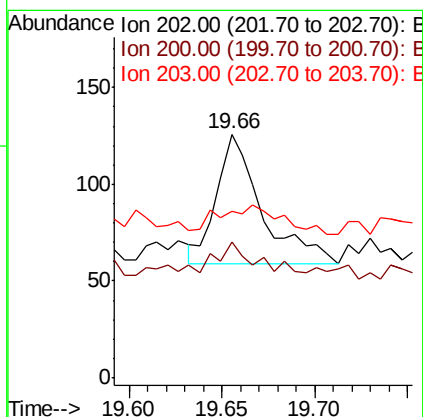
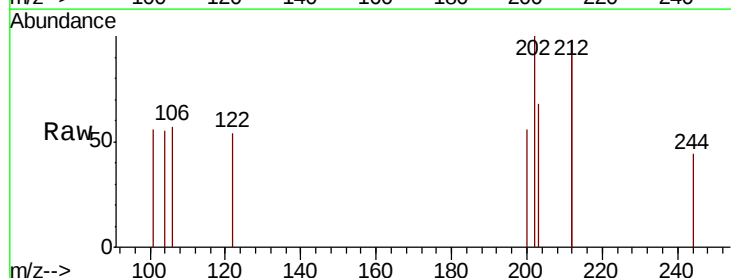
Instrument :
 BNA_E
 ClientSampleId :
 FESB-09(4-4.5)

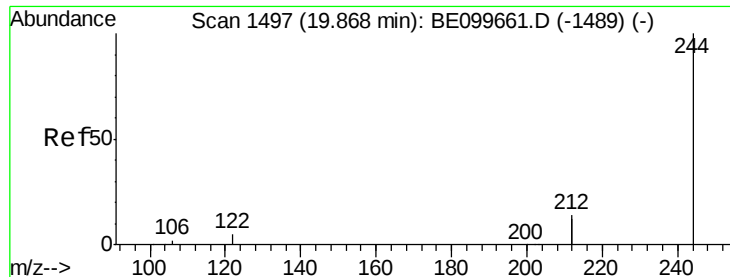
Tgt Ion:240 Resp: 15863
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.4 8.0
 236 27.1 21.7 32.5



#28
 Pyrene
 Concen: 0.003 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099683.D
 Acq: 21 May 2019 4:55

Tgt Ion:202 Resp: 112
 Ion Ratio Lower Upper
 202 100
 200 21.4 15.4 23.2
 203 32.1 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.299 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

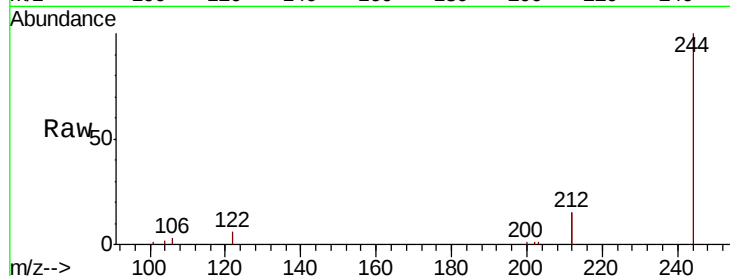
Tgt Ion:244 Resp: 8466

Ion Ratio Lower Upper

244 100

212 29.1 22.5 33.7

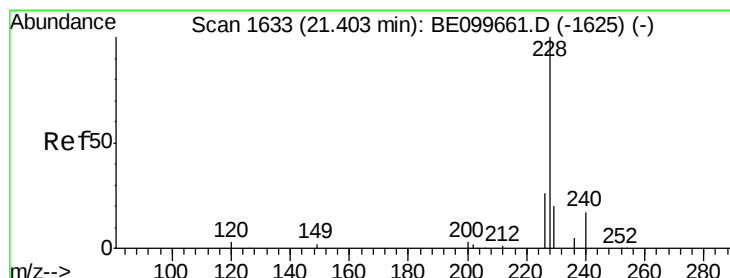
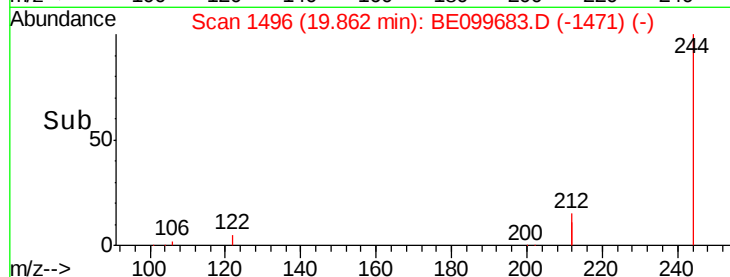
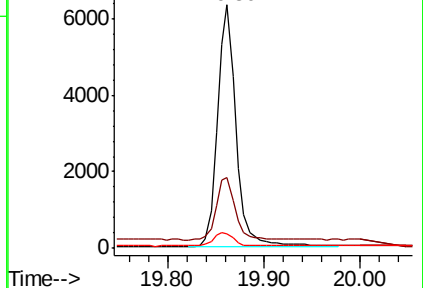
122 6.2 4.3 6.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.004 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

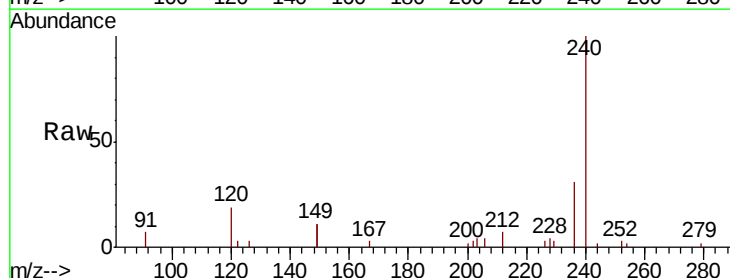
Tgt Ion:228 Resp: 200

Ion Ratio Lower Upper

228 100

226 85.0 21.3 31.9#

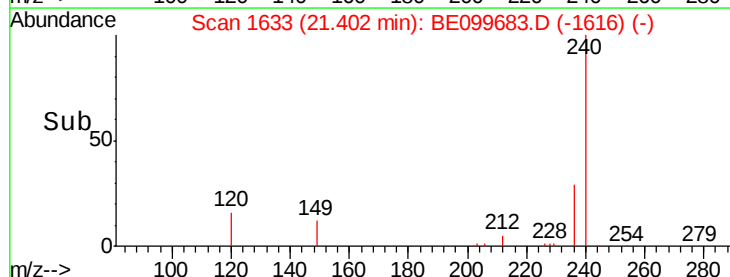
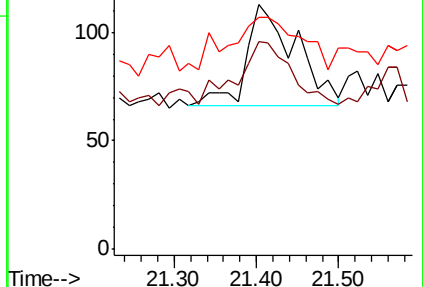
229 94.7 16.1 24.1#

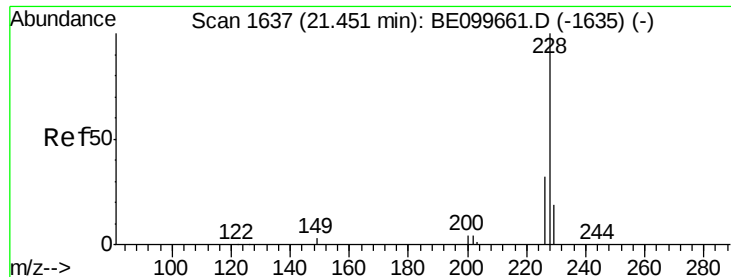


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.004 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.05 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

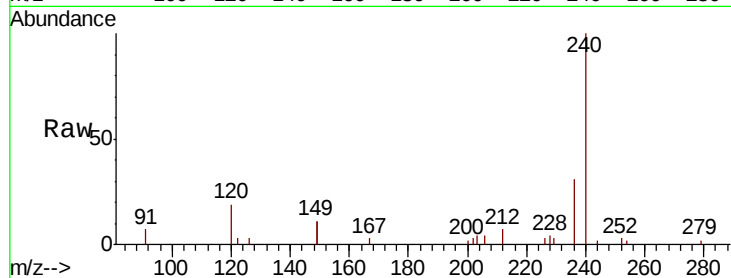
Tgt Ion:228 Resp: 170

Ion Ratio Lower Upper

228 100

226 85.0 24.7 37.1#

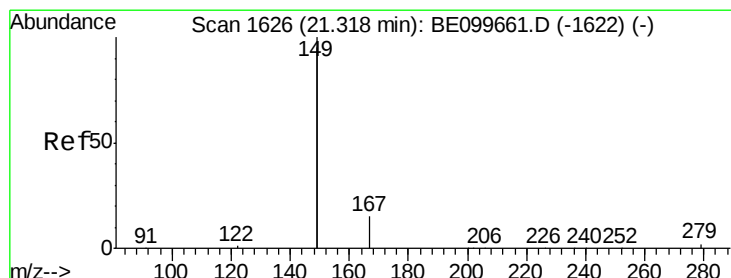
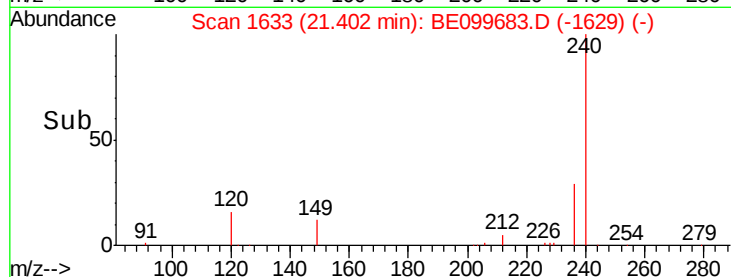
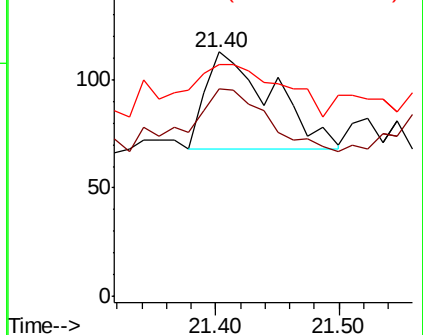
229 94.7 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.385 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

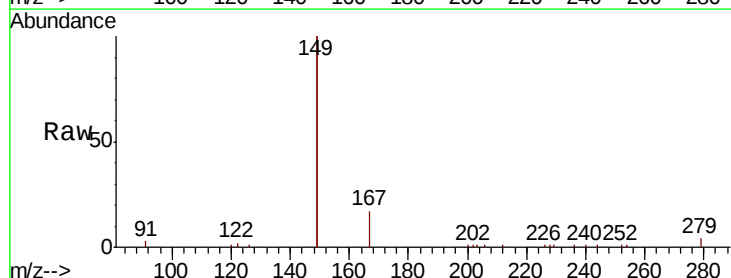
Tgt Ion:149 Resp: 19979

Ion Ratio Lower Upper

149 100

167 7.8 6.2 9.4

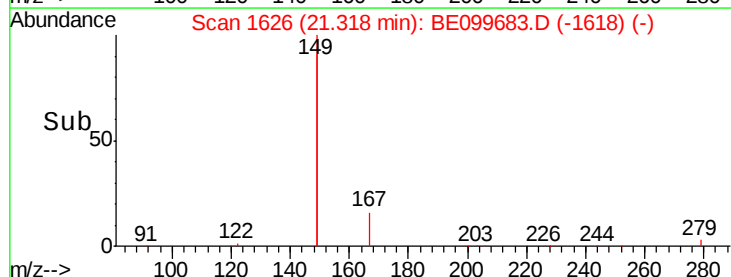
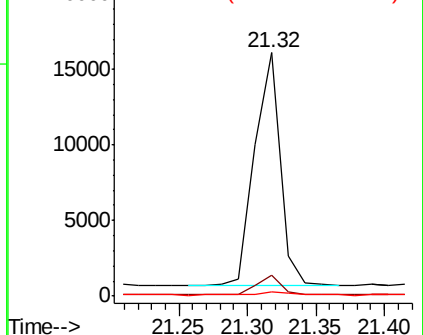
279 1.6 1.2 1.8

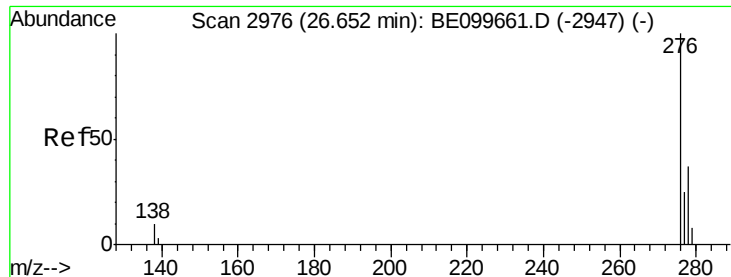


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.000 ng

RT: 26.65 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

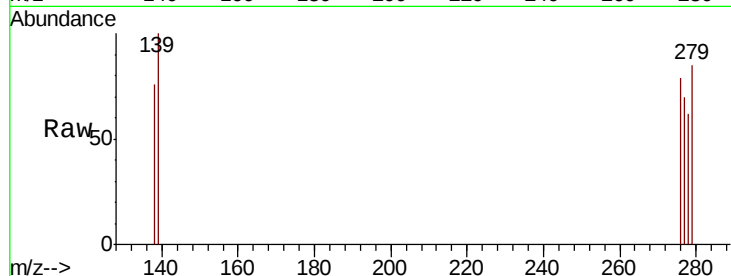
Tgt Ion:276 Resp: 10

Ion Ratio Lower Upper

276 100

138 50.0 9.6 14.4#

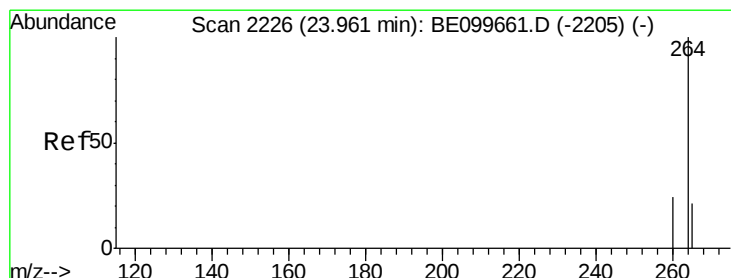
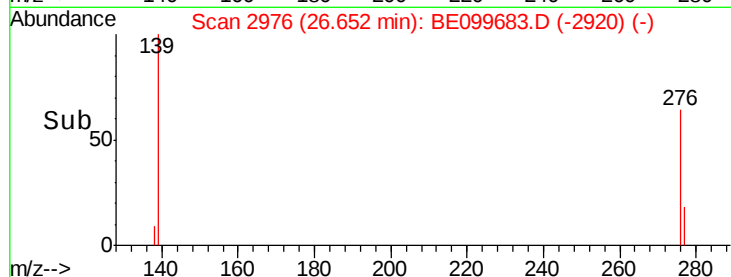
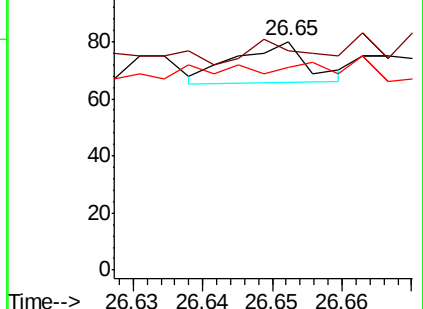
277 0.0 19.2 28.8#



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# 2225

Delta R.T. -0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

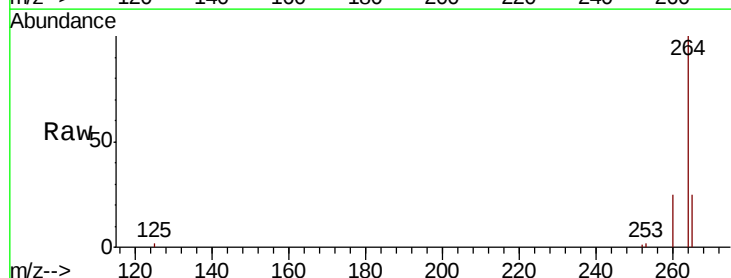
Tgt Ion:264 Resp: 19407

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

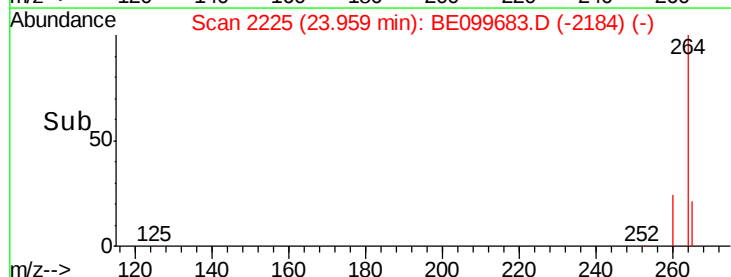
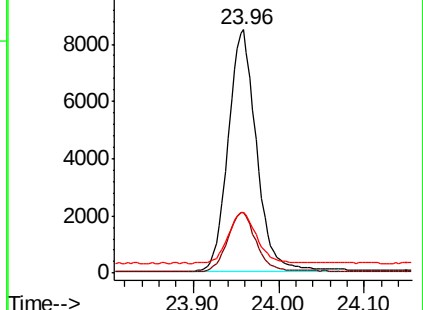
265 24.9 19.1 28.7

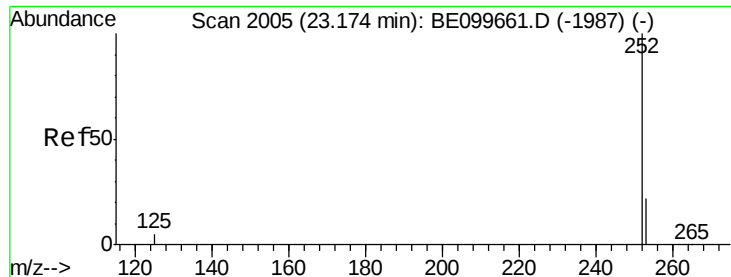


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.002 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

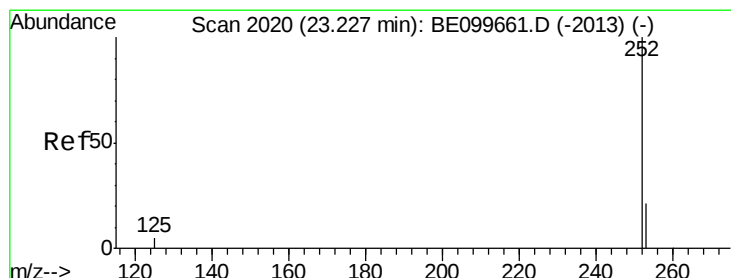
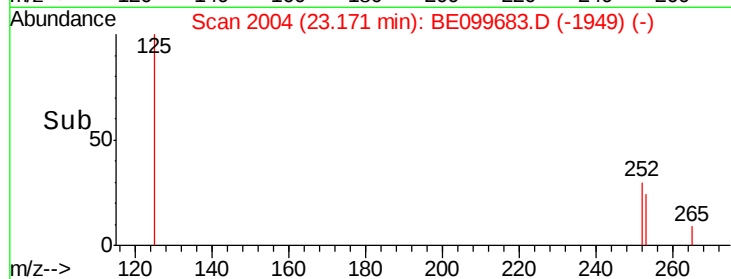
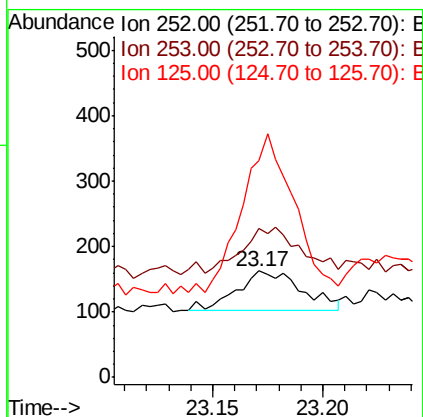
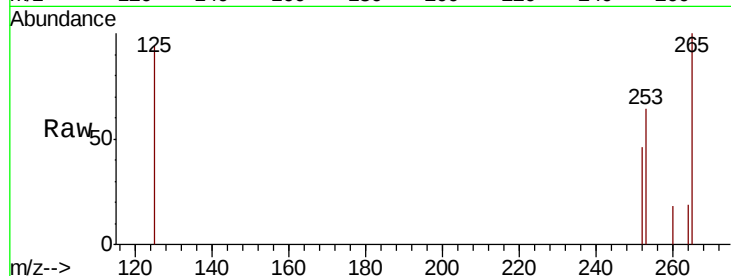
BNA_E

ClientSampleId :

FESB-09(4-4.5)

Tgt Ion:252 Resp: 121

Ion	Ratio	Lower	Upper
252	100		
253	139.3	18.2	27.4#
125	203.1	4.5	6.7#



#36

Benzo(k)fluoranthene

Concen: 0.001 ng

RT: 23.22 min Scan# 2018

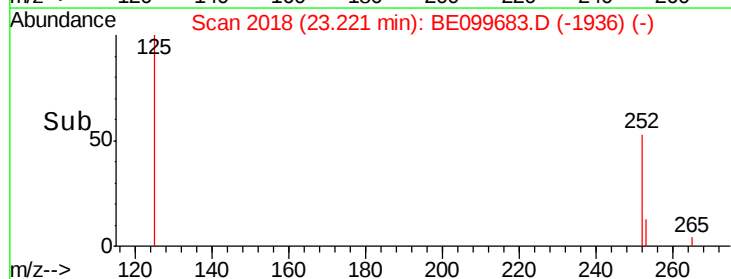
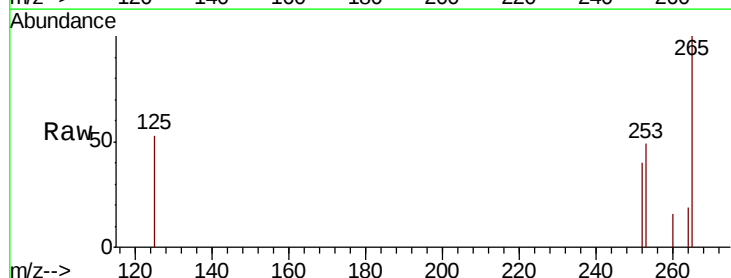
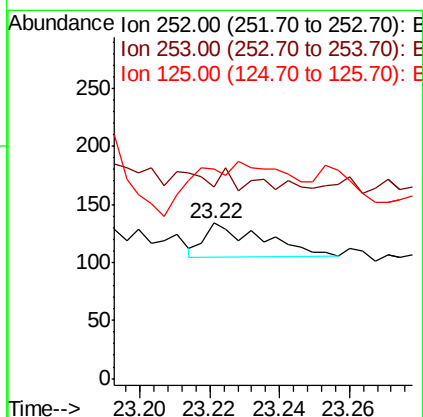
Delta R.T. -0.01 min

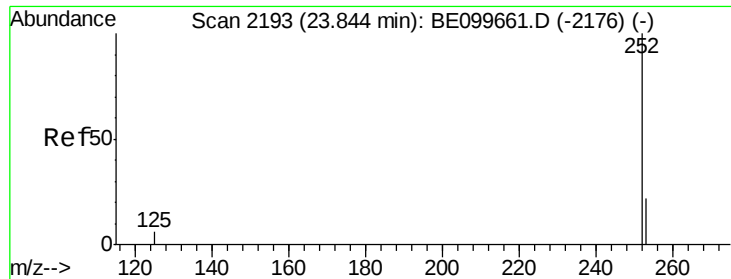
Lab File: BE099683.D

Acq: 21 May 2019 4:55

Tgt Ion:252 Resp: 35

Ion	Ratio	Lower	Upper
252	100		
253	123.1	17.8	26.8#
125	134.3	4.6	6.8#





#37

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)

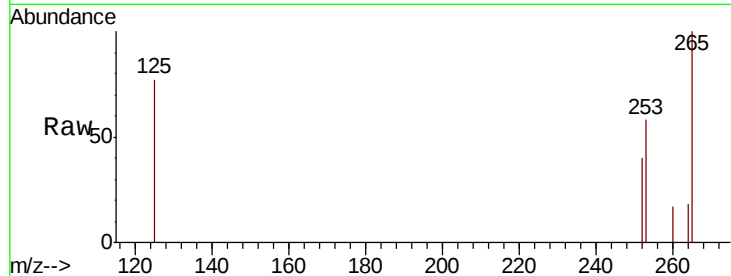
Tgt Ion: 252 Resp: 39

Ion Ratio Lower Upper

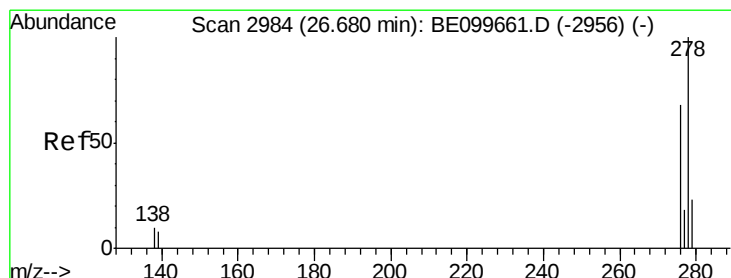
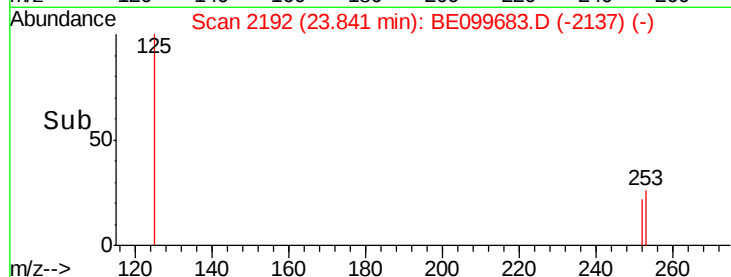
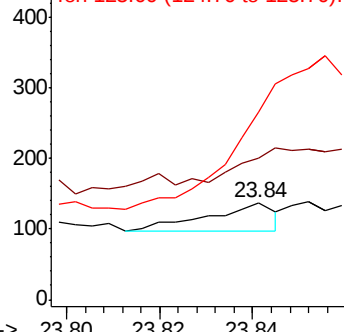
252 100

253 146.0 18.9 28.3#

125 193.4 5.4 8.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 26.68 min Scan# 2984

Delta R.T. 0.00 min

Lab File: BE099683.D

Acq: 21 May 2019 4:55

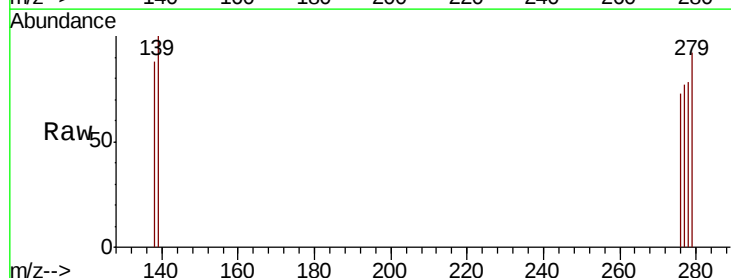
Tgt Ion: 278 Resp: 12

Ion Ratio Lower Upper

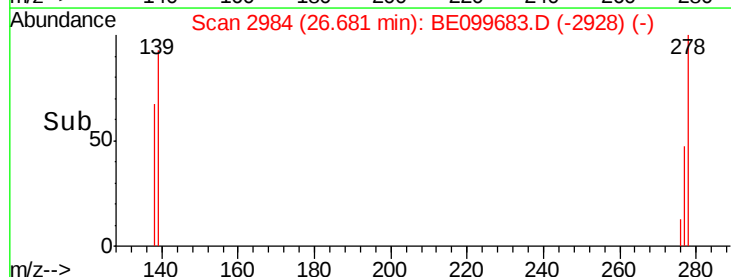
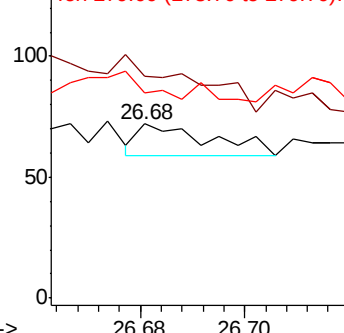
278 100

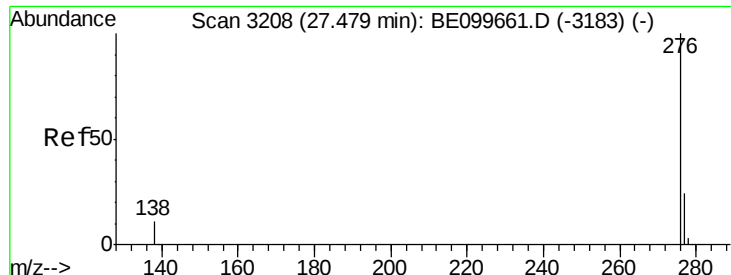
139 127.8 6.9 10.3#

279 118.1 19.2 28.8#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.000 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE099683.D

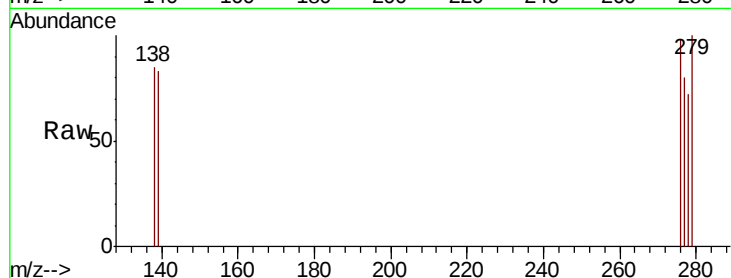
Acq: 21 May 2019 4:55

Instrument :

BNA_E

ClientSampleId :

FESB-09(4-4.5)



Tgt Ion: 276 Resp: 9

Ion Ratio Lower Upper

276 100

277 82.1 19.8 29.6#

138 86.9 9.2 13.8#

