

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052219\
 Data File : BE099725.D
 Acq On : 22 May 2019 18:09
 Operator : JU/SJ
 Sample : K2966-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-17(1.9-2.4)

Quant Time: May 23 07:59:50 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	7.81	152	1563	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5223	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3875	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11112	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16122	0.40	ng	0.00
34) Perylene-d12	23.95	264	19146	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1227	0.31	ng	0.00
5) Phenol-d6	6.97	99	1790	0.34	ng	0.00
8) Nitrobenzene-d5	8.98	82	1444	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2569	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	725	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	3723	0.25	ng	0.00
25) Fluoranthene-d10	19.26	212	35663	0.23	ng	0.00
29) Terphenyl-d14	19.86	244	6632	0.23	ng	0.00

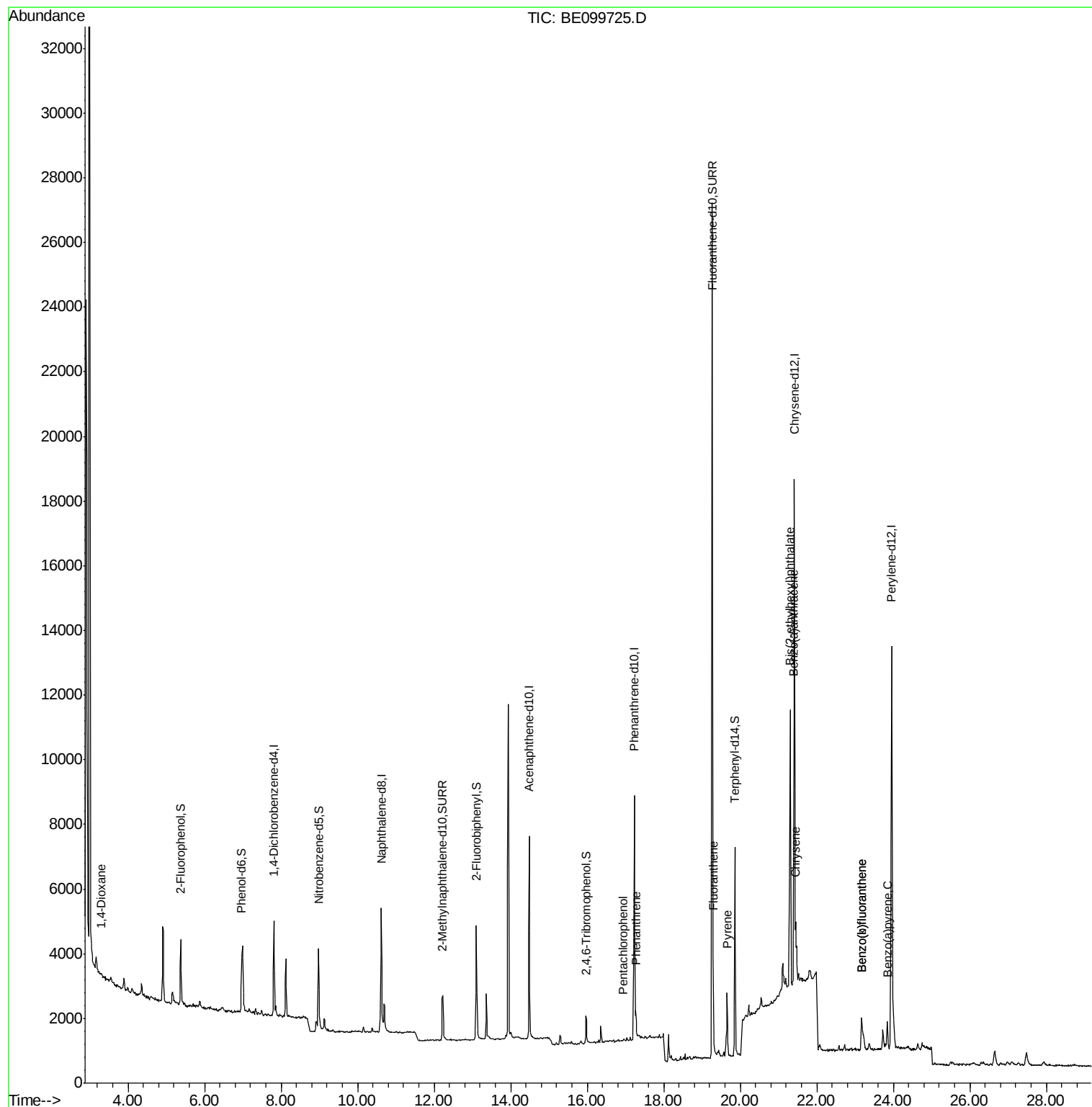
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	104	0.045	ng	# 1
22) Pentachlorophenol	16.95	266	9	0.185	ng	# 74
23) Phenanthrene	17.27	178	772	0.028	ng	# 87
26) Fluoranthene	19.29	202	1969	0.046	ng	# 96
28) Pyrene	19.66	202	1947	0.048	ng	# 94
30) Benzo(a)anthracene	21.40	228	1106	0.024	ng	# 56
31) Chrysene	21.45	228	1156	0.024	ng	# 79
32) Bis(2-ethylhexyl)phthalate	21.31	149	15256	0.289	ng	# 100
35) Benzo(b)fluoranthene	23.17	252	1686	0.032	ng	# 41
36) Benzo(k)fluoranthene	23.17	252	1686	0.031	ng	# 40
37) Benzo(a)pyrene	23.84	252	1229	0.024	ng	# 34

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

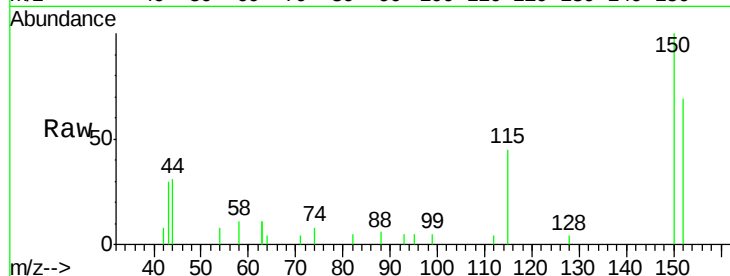
Tgt Ion:152 Resp: 1563

Ion Ratio Lower Upper

152 100

150 144.4 109.2 163.8

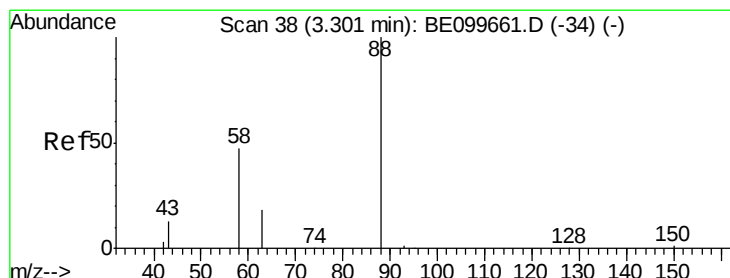
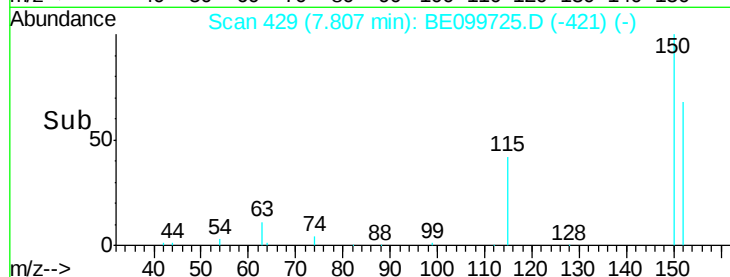
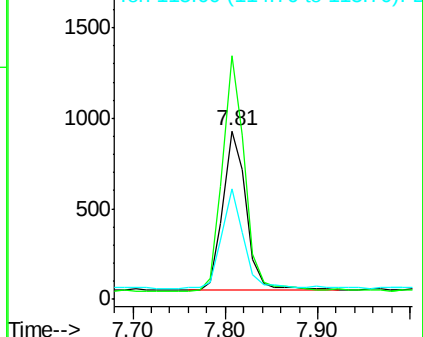
115 65.3 43.7 65.5



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



#2

1,4-Dioxane

Concen: 0.045 ng

RT: 3.30 min Scan# 38

Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

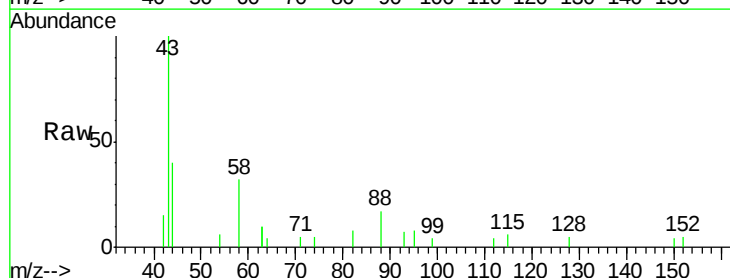
Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

58 0.0 41.8 62.8#

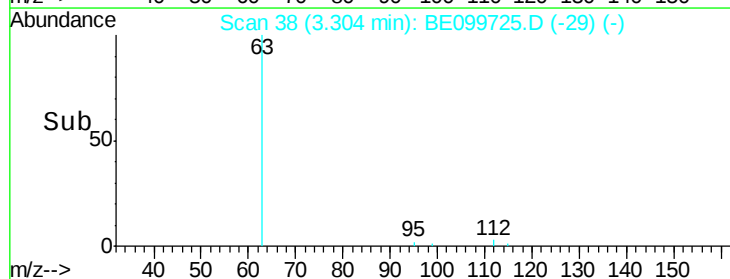
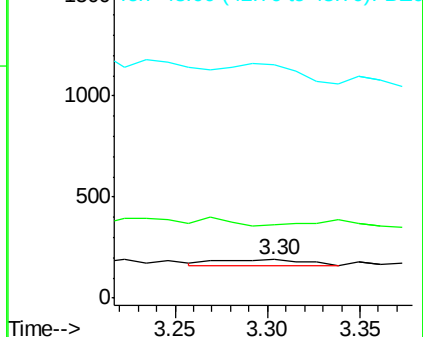
43 240.4 15.0 22.4#

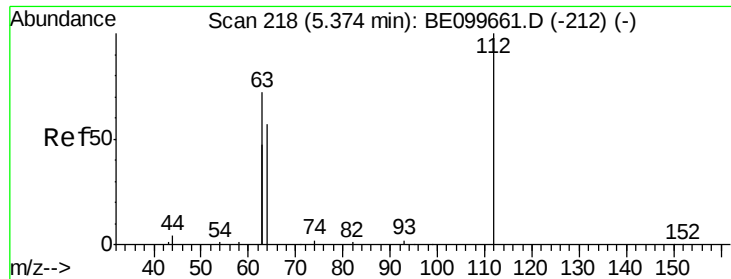


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.311 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

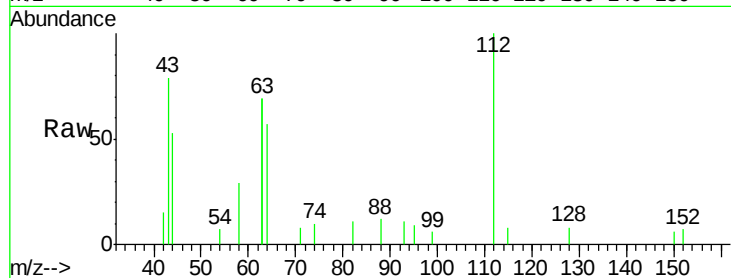
Tgt Ion:112 Resp: 1227

Ion Ratio Lower Upper

112 100

64 55.7 43.4 65.2

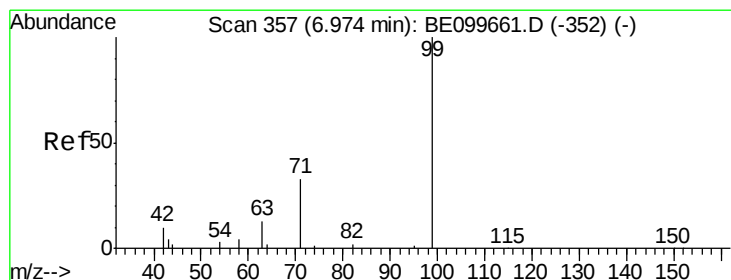
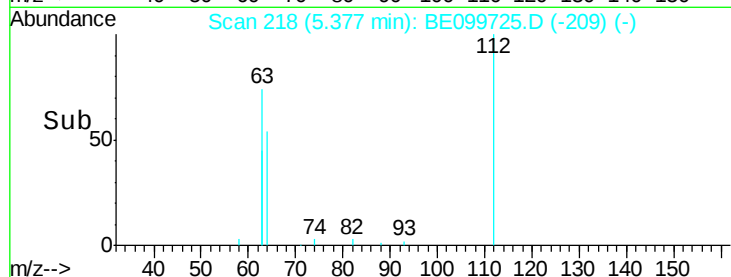
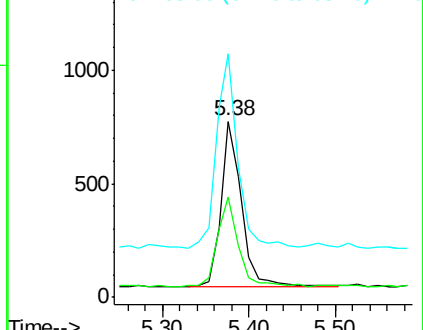
63 120.0 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): BE099725.D (-209) (-)

Ion 64.00 (63.70 to 64.70): BE099725.D (-209) (-)

Ion 63.00 (62.70 to 63.70): BE099725.D (-209) (-)



#5

Phenol-d6

Concen: 0.342 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

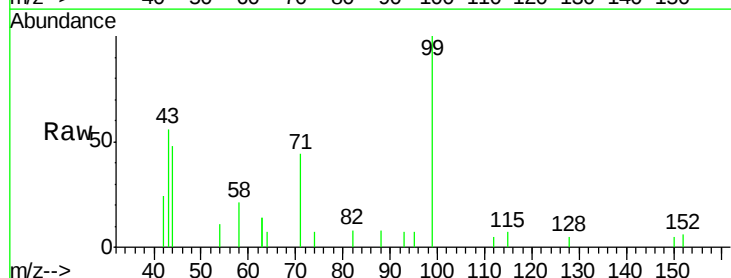
Tgt Ion: 99 Resp: 1790

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

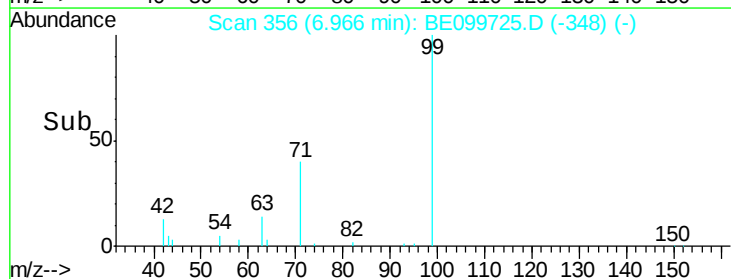
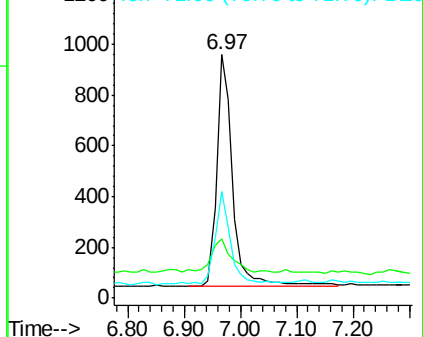
71 36.6 28.9 43.3

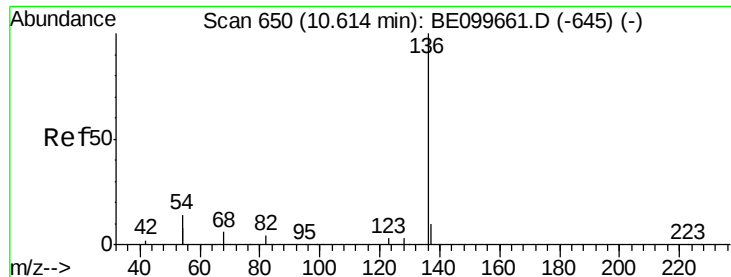


Abundance Ion 99.00 (98.70 to 99.70): BE099725.D (-348) (-)

Ion 42.00 (41.70 to 42.70): BE099725.D (-348) (-)

Ion 71.00 (70.70 to 71.70): BE099725.D (-348) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

Tgt Ion:136 Resp: 5223

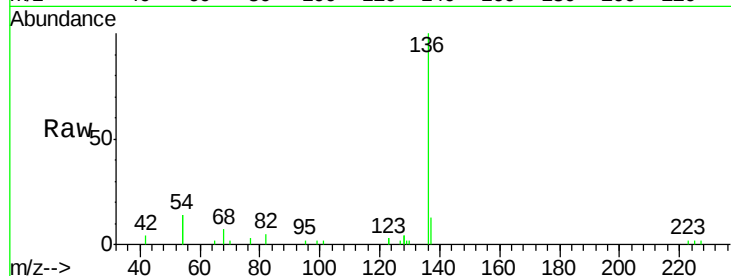
Ion Ratio Lower Upper

136 100

137 12.9 9.0 13.6

54 28.4 22.3 33.5

68 7.2 6.0 9.0

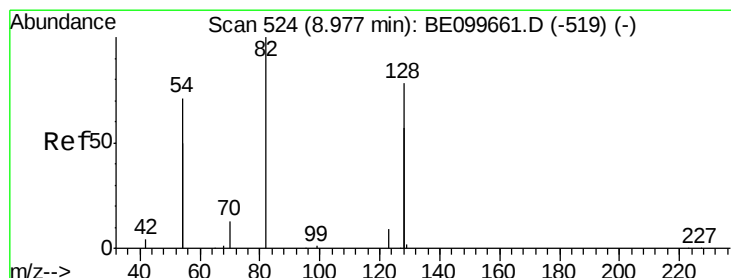
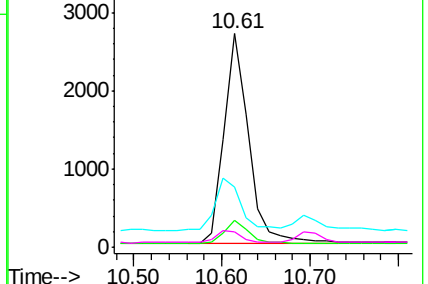
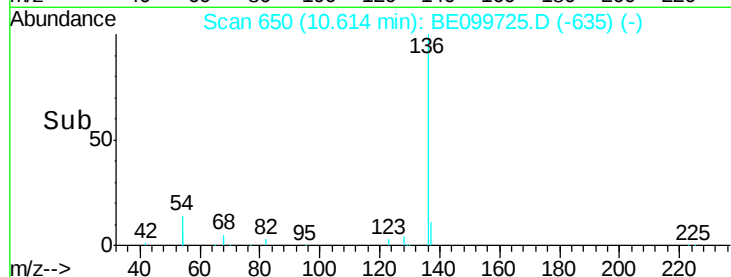


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.319 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

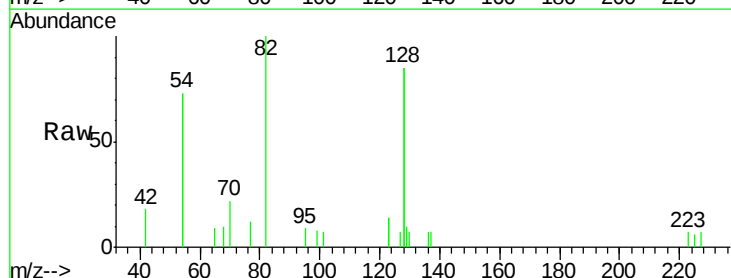
Tgt Ion: 82 Resp: 1444

Ion Ratio Lower Upper

82 100

128 170.2 117.7 176.5

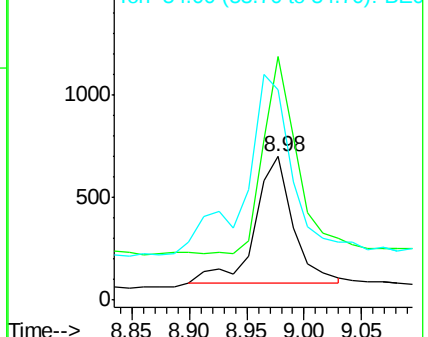
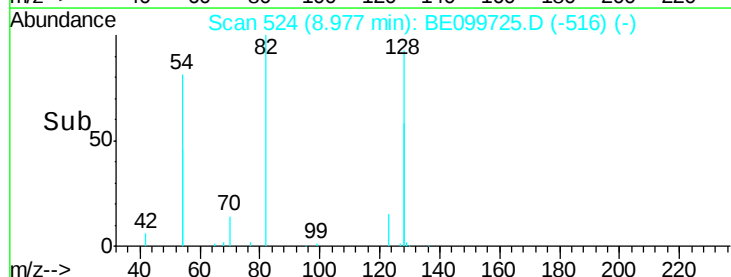
54 146.9 106.6 160.0

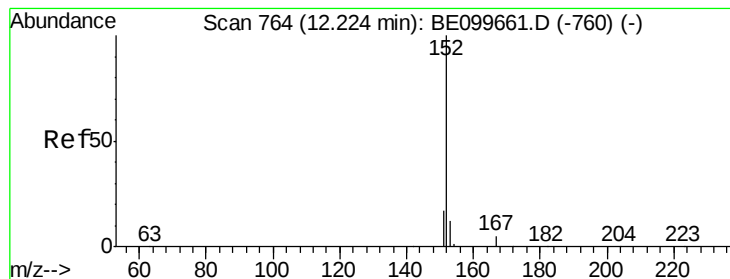


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.285 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

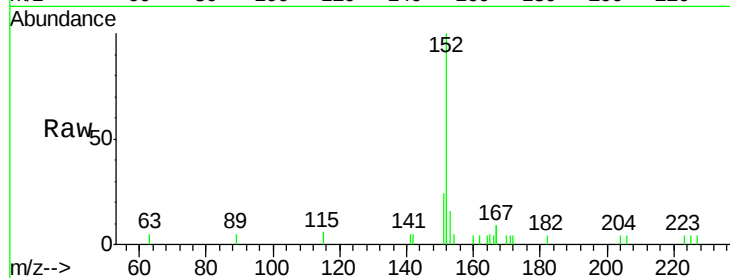
FESB-17(1.9-2.4)

Tgt Ion:152 Resp: 2569

Ion Ratio Lower Upper

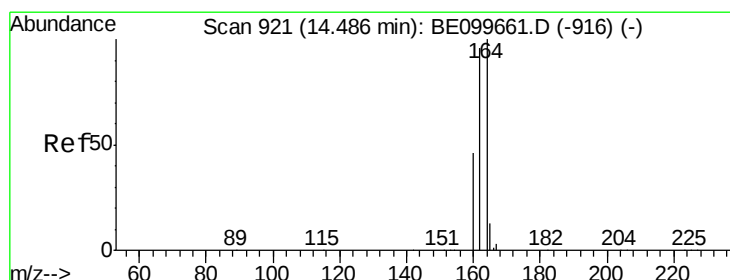
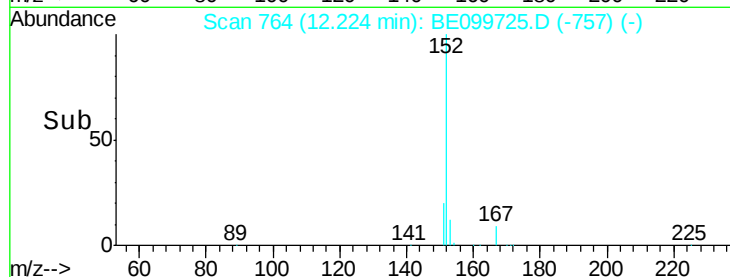
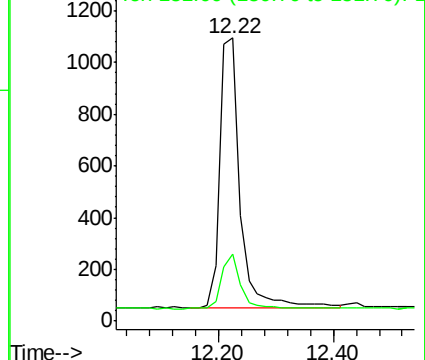
152 100

151 17.8 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

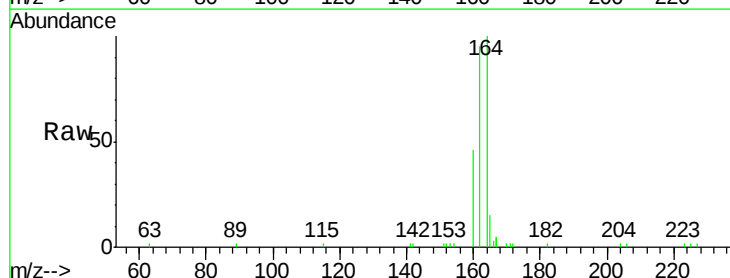
Tgt Ion:164 Resp: 3875

Ion Ratio Lower Upper

164 100

162 94.8 76.5 114.7

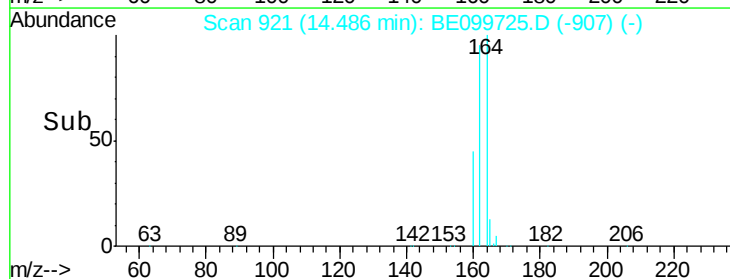
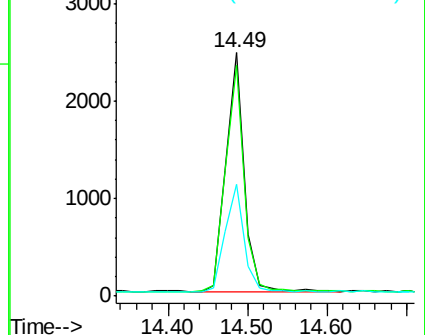
160 46.1 37.4 56.2

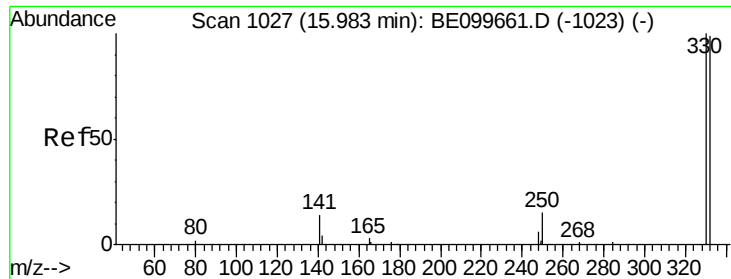


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

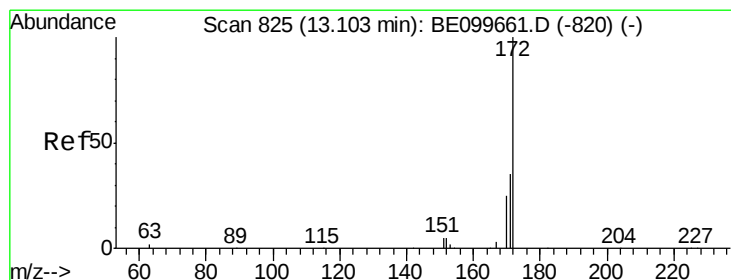
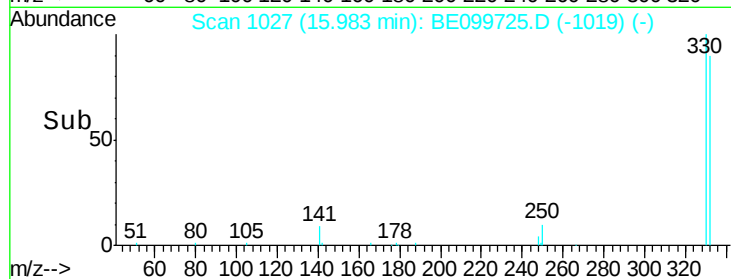
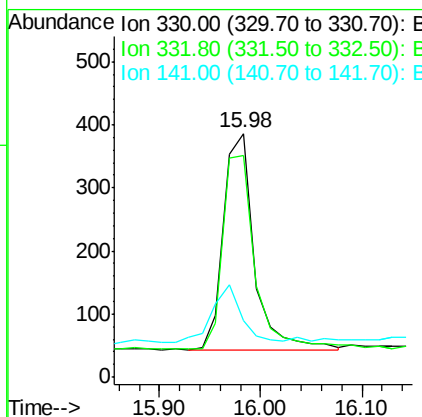
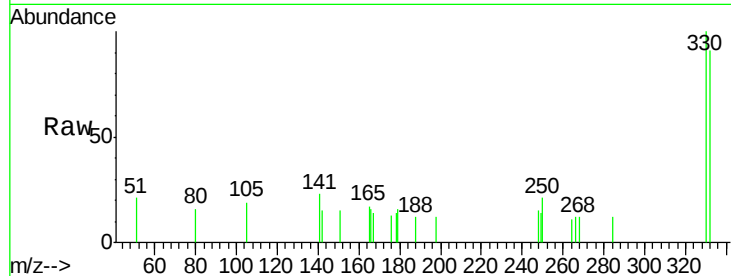




#14
 2,4,6-Tribromophenol
 Concen: 0.378 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099725.D
 Acq: 22 May 2019 18:09

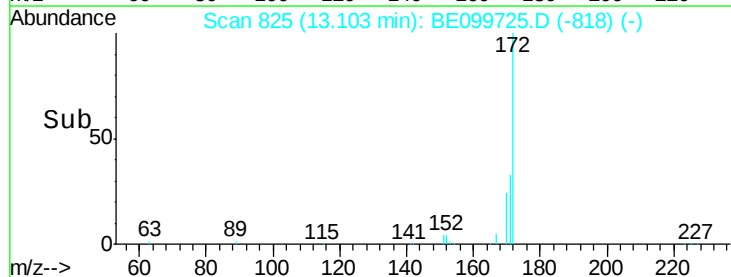
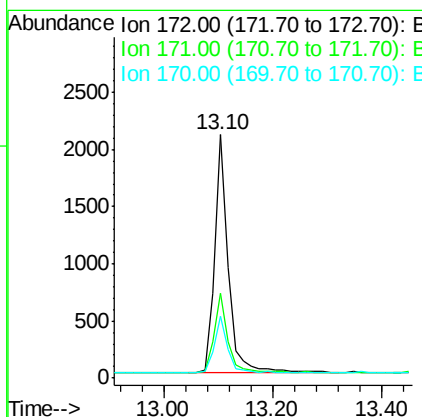
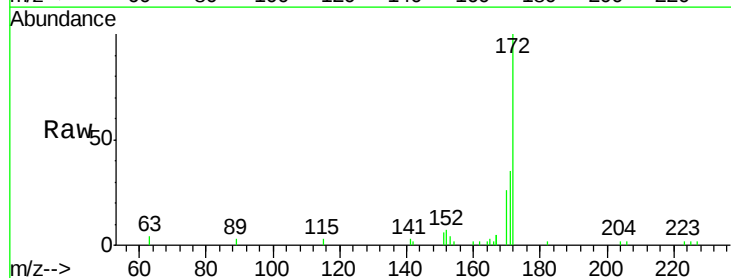
Instrument :
 BNA_E
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 FESB-17(1.9-2.4)

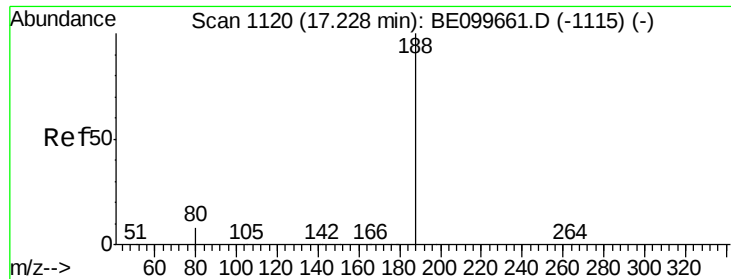
Tgt Ion: 330 Resp: 725
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.3 115.9
 141 24.3 18.9 28.3



#15
 2-Fluorobiphenyl
 Concen: 0.253 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BE099725.D
 Acq: 22 May 2019 18:09

Tgt Ion: 172 Resp: 3723
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.7 43.1
 170 25.6 20.9 31.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

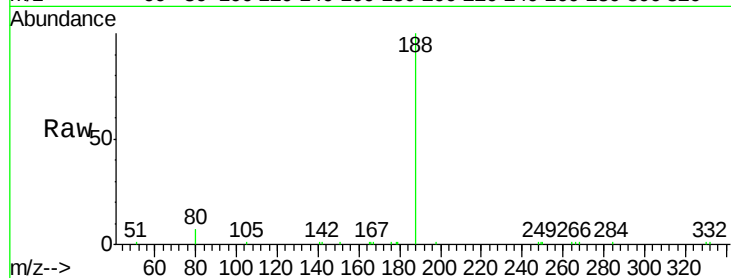
Tgt Ion:188 Resp: 11112

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

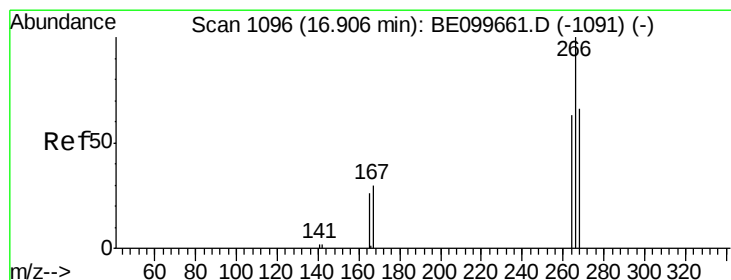
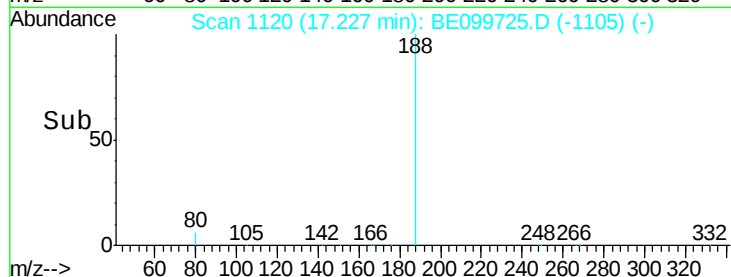
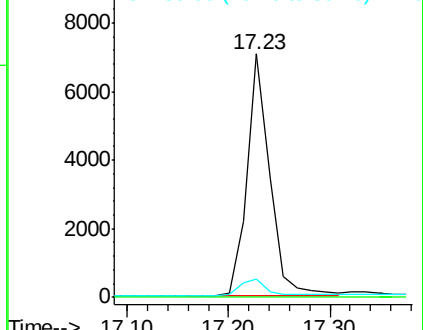
80 7.3 6.7 10.1



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: 0.185 ng

RT: 16.95 min Scan# 1099

Delta R.T. 0.04 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

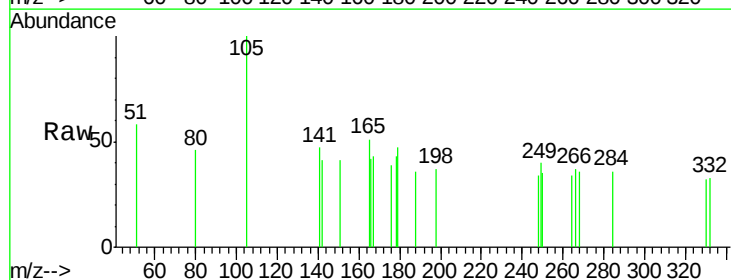
Tgt Ion:266 Resp: 9

Ion Ratio Lower Upper

266 100

264 92.2 57.2 85.8#

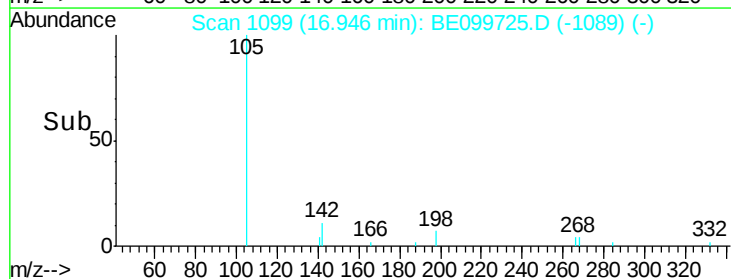
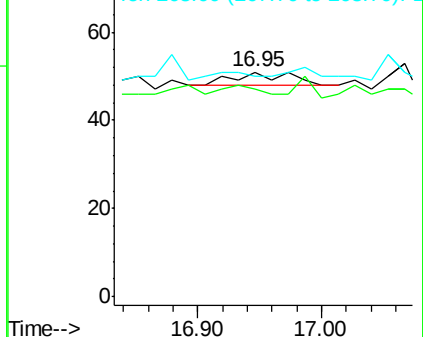
268 98.0 60.5 90.7#

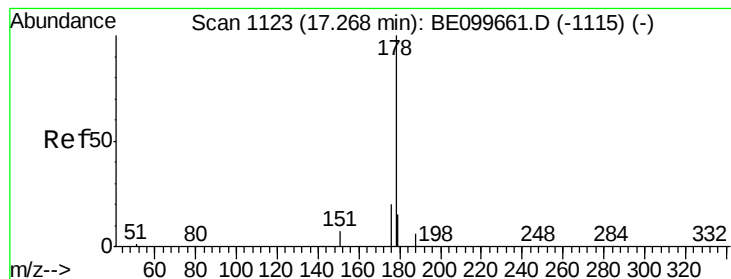


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.028 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

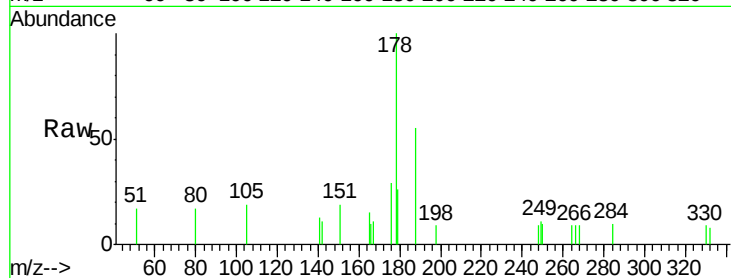
Tgt Ion:178 Resp: 772

Ion Ratio Lower Upper

178 100

176 17.4 15.6 23.4

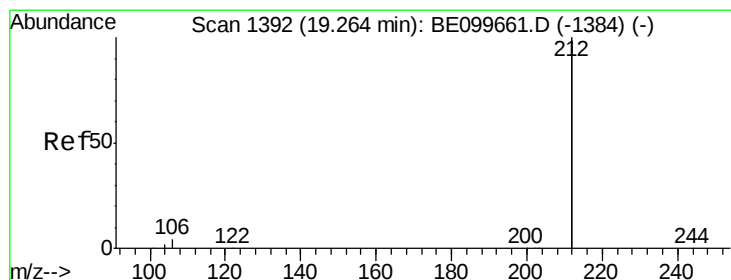
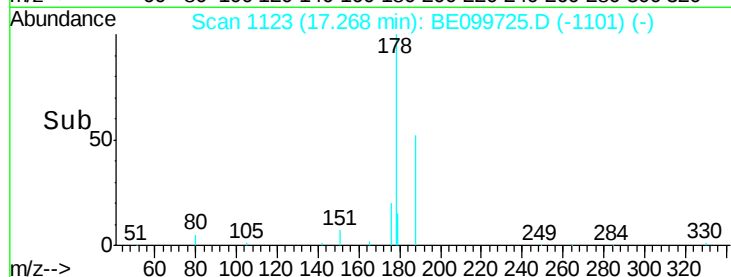
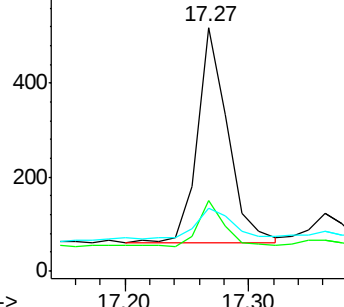
179 25.0 12.2 18.4#



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



#25

Fluoranthene-d10

Concen: 0.235 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

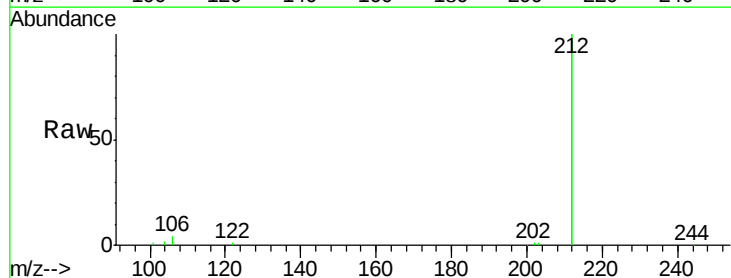
Tgt Ion:212 Resp: 35663

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

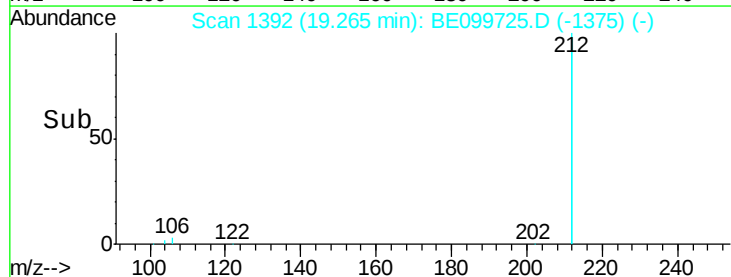
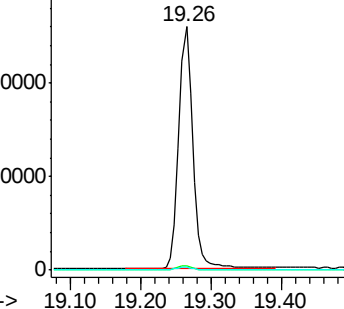
104 1.1 0.8 1.2

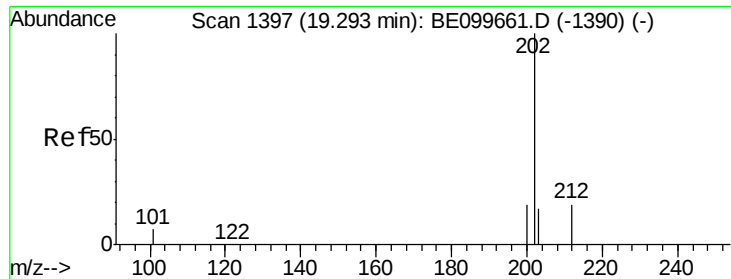


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

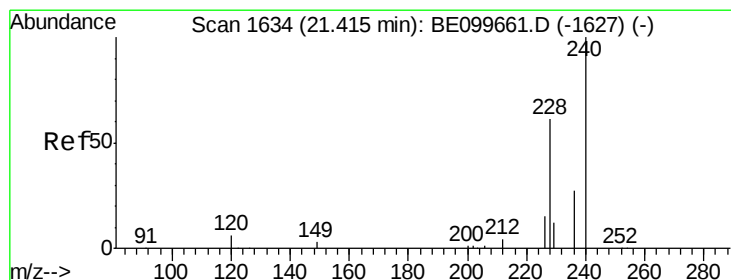
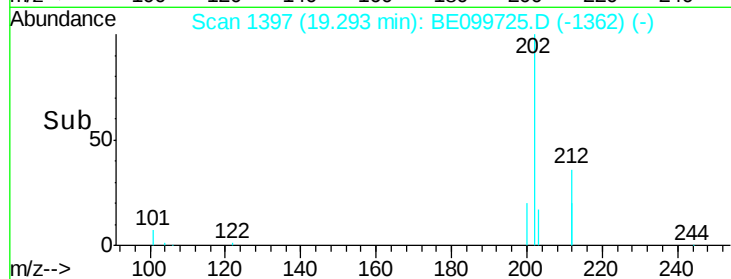
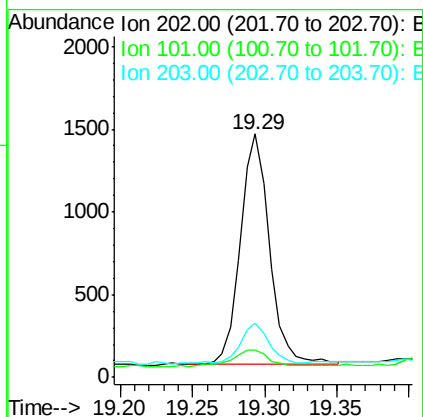
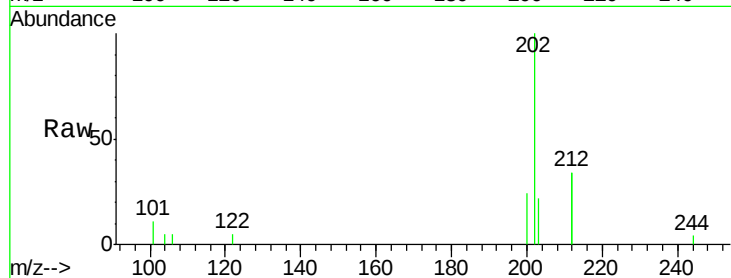




#26
Fluoranthene
Concen: 0.046 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

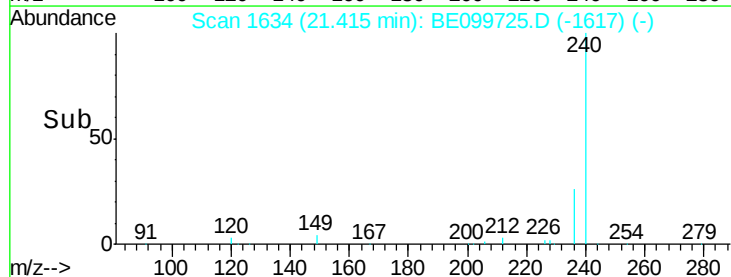
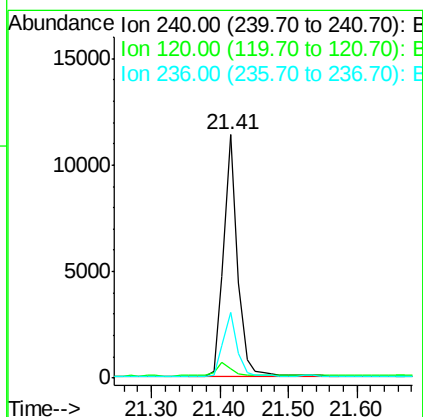
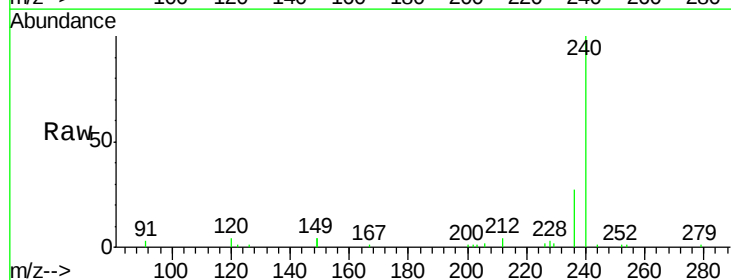
Instrument :
BNA_E
ClientSampleId :
FESB-17(1.9-2.4)

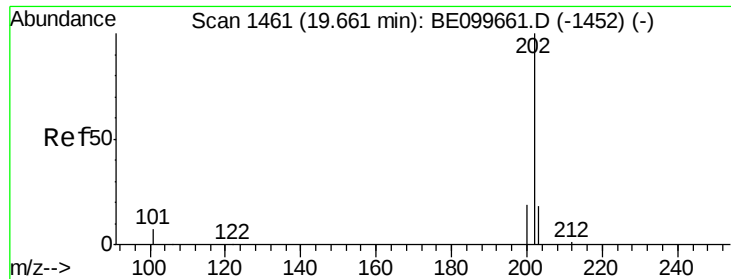
Tgt Ion: 202 Resp: 1969
Ion Ratio Lower Upper
202 100
101 9.3 5.2 7.8#
203 18.2 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Tgt Ion: 240 Resp: 16122
Ion Ratio Lower Upper
240 100
120 4.1 5.4 8.0#
236 26.9 21.7 32.5

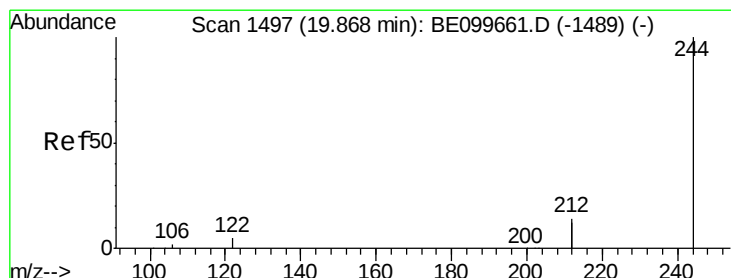
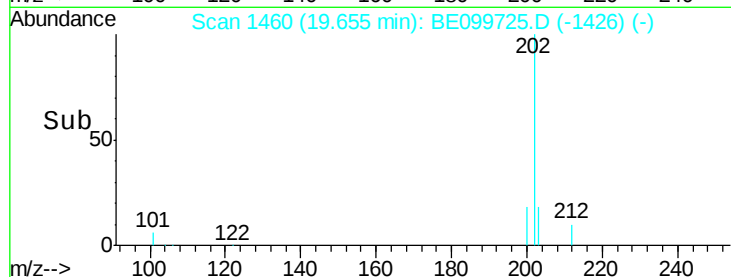
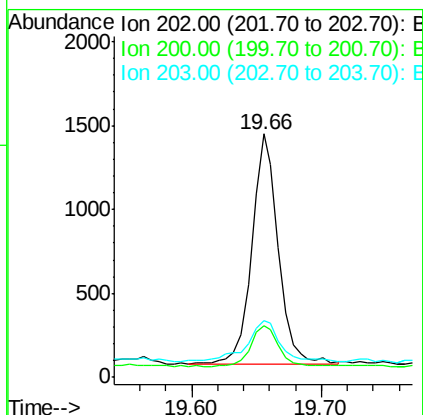
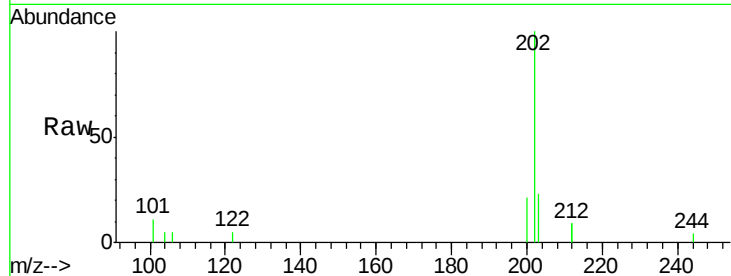




#28
 Pyrene
 Concen: 0.048 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099725.D
 Acq: 22 May 2019 18:09

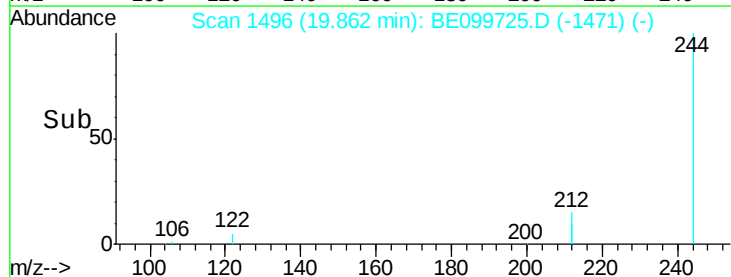
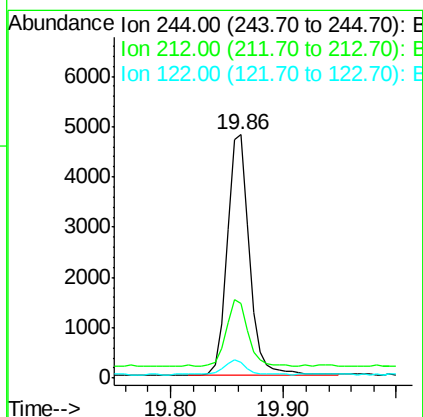
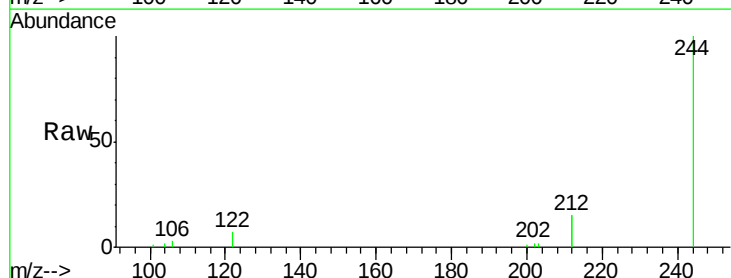
Instrument :
 BNA_E
 ClientSampleId :
 FESB-17(1.9-2.4)

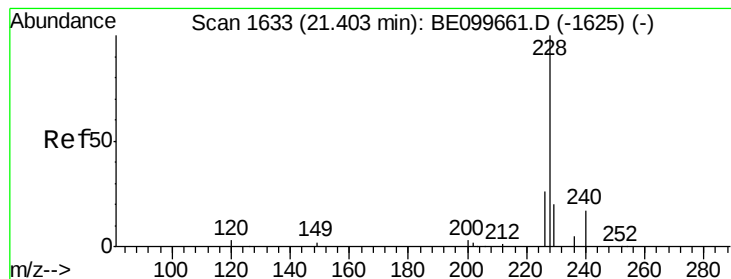
Tgt Ion: 202 Resp: 1947
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.4 23.2
 203 23.0 13.8 20.8#



#29
 Terphenyl-d14
 Concen: 0.230 ng
 RT: 19.86 min Scan# 1496
 Delta R.T. -0.01 min
 Lab File: BE099725.D
 Acq: 22 May 2019 18:09

Tgt Ion: 244 Resp: 6632
 Ion Ratio Lower Upper
 244 100
 212 30.6 22.5 33.7
 122 6.6 4.3 6.5#

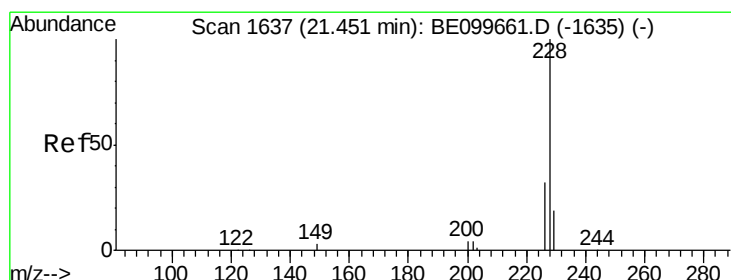
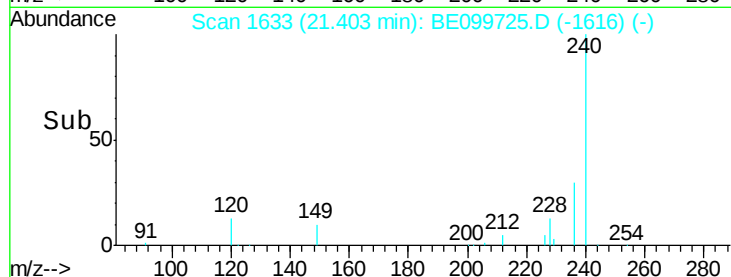
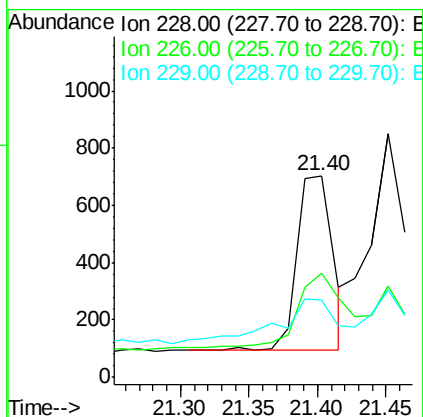
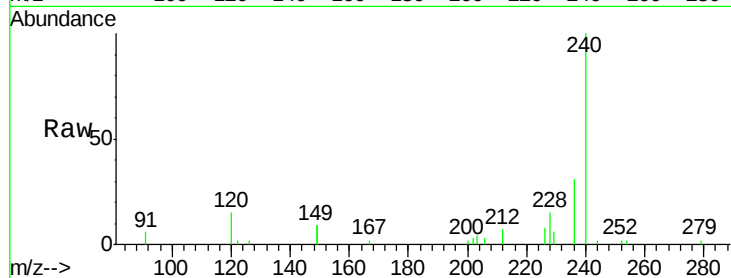




#30
Benzo(a)anthracene
Concen: 0.024 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

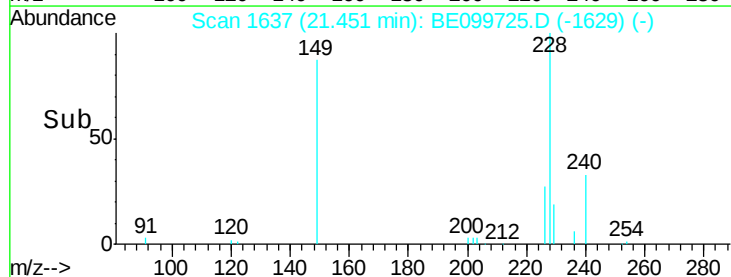
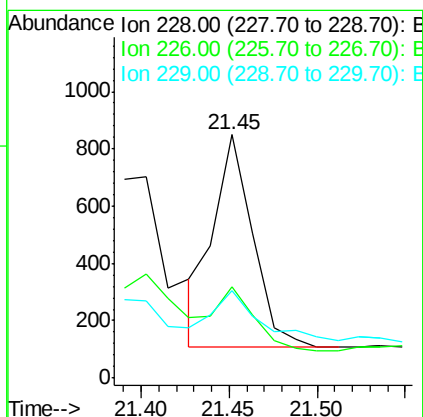
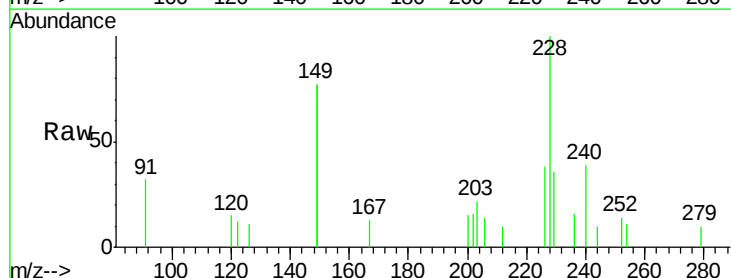
Instrument :
BNA_E
ClientSampleId :
FESB-17(1.9-2.4)

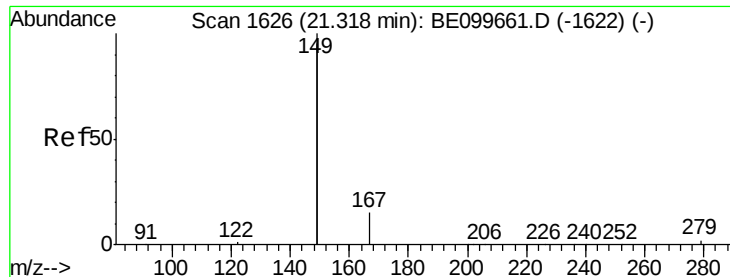
Tgt Ion:228 Resp: 1106
Ion Ratio Lower Upper
228 100
226 51.5 21.3 31.9#
229 38.0 16.1 24.1#



#31
Chrysene
Concen: 0.024 ng
RT: 21.45 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Tgt Ion:228 Resp: 1156
Ion Ratio Lower Upper
228 100
226 37.6 24.7 37.1#
229 35.6 15.8 23.6#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.289 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

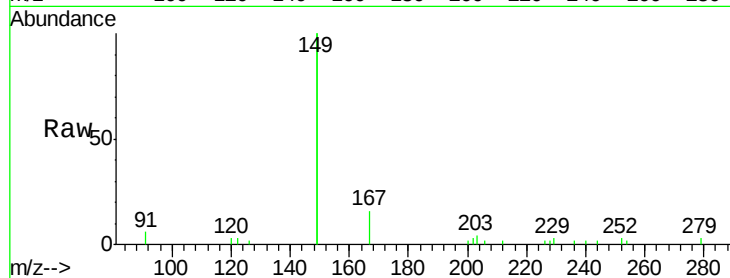
Tgt Ion:149 Resp: 15256

Ion Ratio Lower Upper

149 100

167 7.8 6.2 9.4

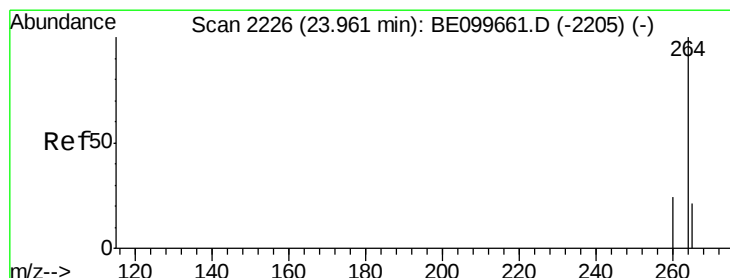
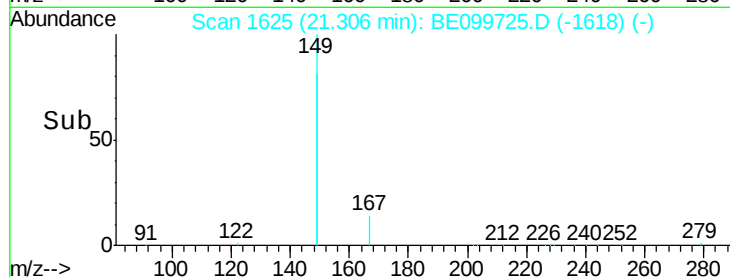
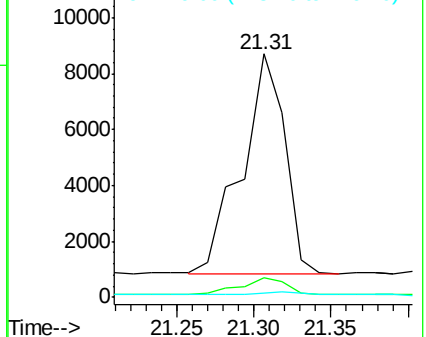
279 1.7 1.2 1.8



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

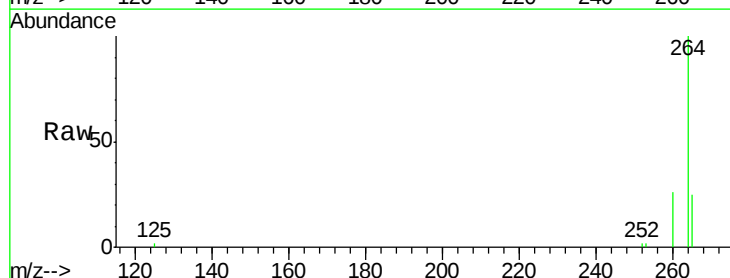
Tgt Ion:264 Resp: 19146

Ion Ratio Lower Upper

264 100

260 25.8 19.6 29.4

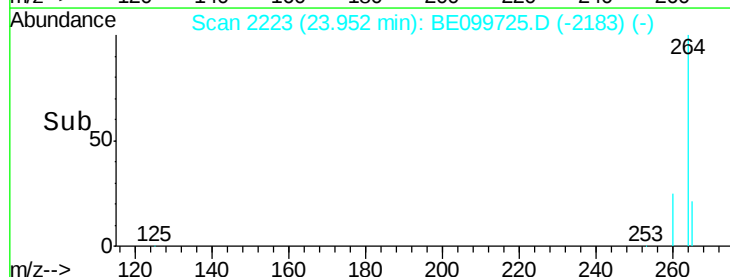
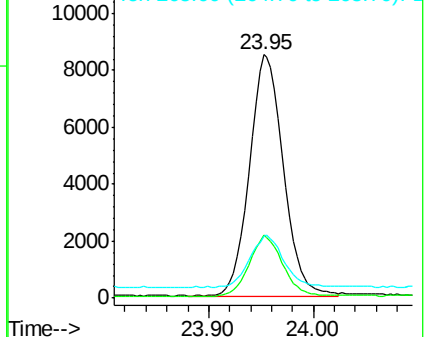
265 25.5 19.1 28.7

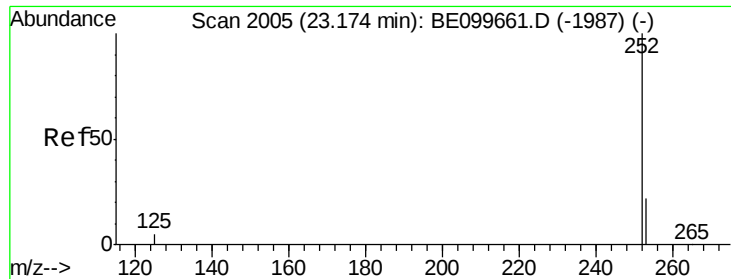


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.032 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

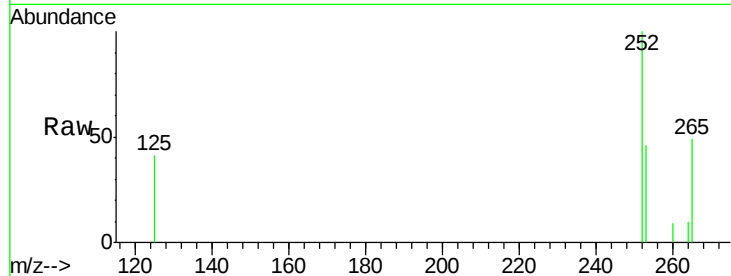
Tgt Ion:252 Resp: 1686

Ion Ratio Lower Upper

252 100

253 45.8 18.2 27.4#

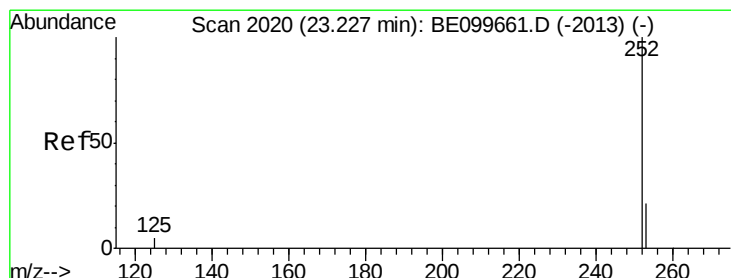
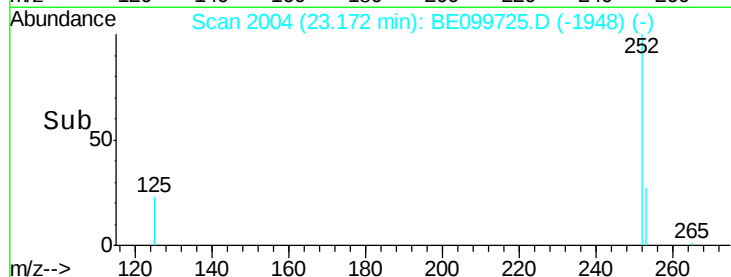
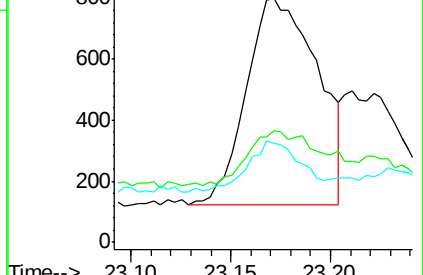
125 40.9 4.5 6.7#



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: 0.031 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.06 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

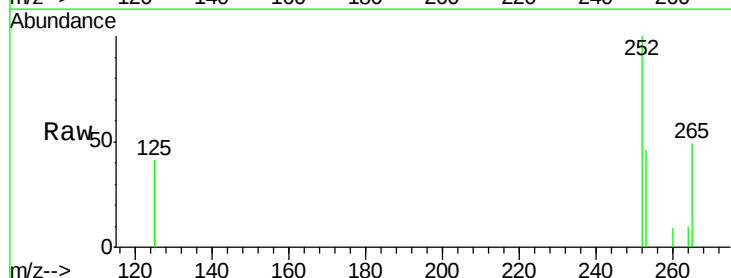
Tgt Ion:252 Resp: 1686

Ion Ratio Lower Upper

252 100

253 45.8 17.8 26.8#

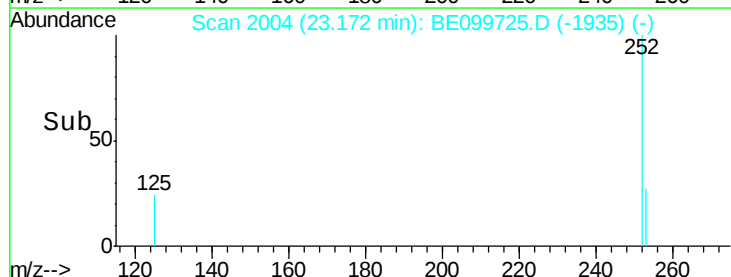
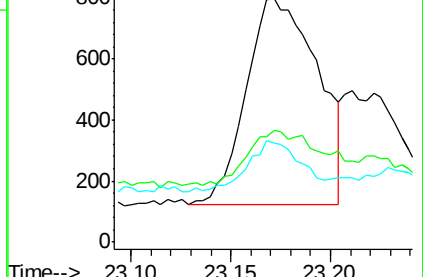
125 40.9 4.6 6.8#

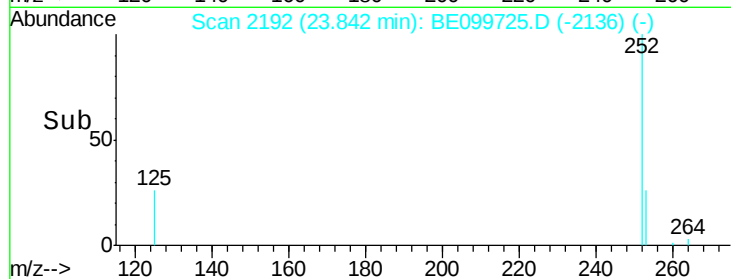
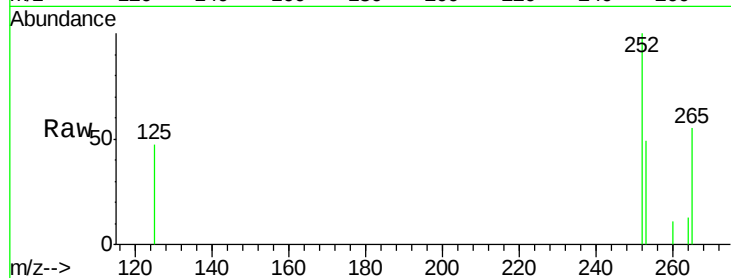
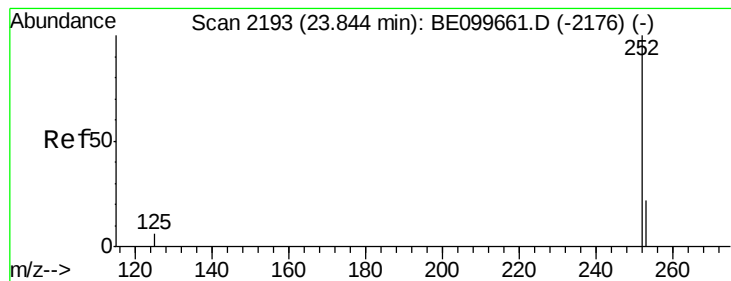


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

Tgt Ion: 252 Resp: 1229

Ion Ratio Lower Upper

252 100

253 48.7 18.9 28.3#

125 47.0 5.4 8.0#

