

Data File : BE099706.D
Acq On : 22 May 2019 1:23
Operator : JU/SJ
Sample : K2906-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FESB-11(7-7.5)

Quant Time: May 22 08:19:26 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	1431	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5090	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3683	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10843	0.40	ng	0.00
27) Chrysene-d12	21.41	240	14434	0.40	ng	0.00
34) Perylene-d12	23.96	264	17299	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1443	0.40	ng	0.00
5) Phenol-d6	6.98	99	2064	0.43	ng	0.00
8) Nitrobenzene-d5	8.98	82	1723	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3239	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	799	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4964	0.36	ng	0.00
25) Fluoranthene-d10	19.26	212	49092	0.33	ng	0.00
29) Terphenyl-d14	19.86	244	10367	0.40	ng	-0.01

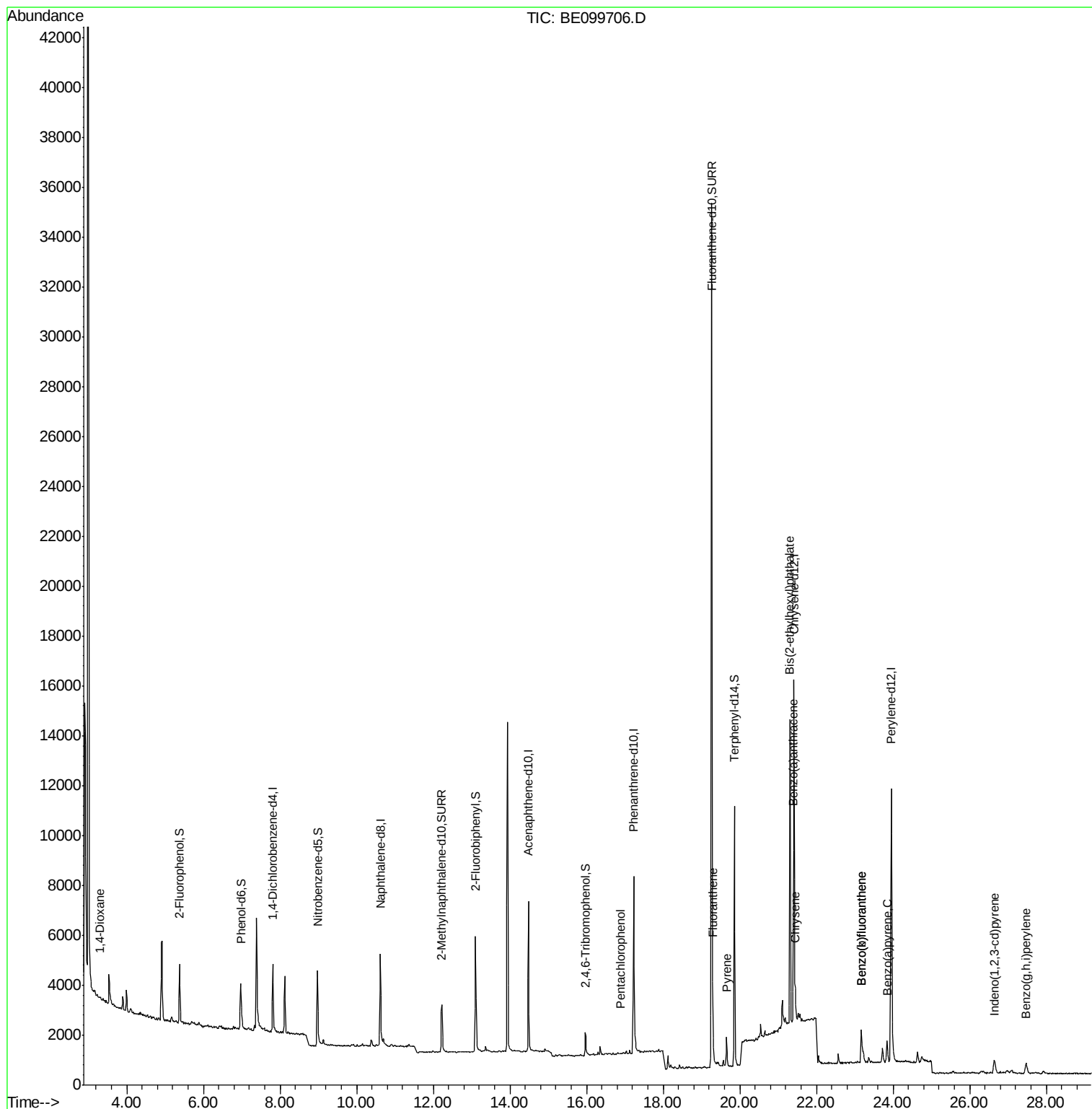
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	103	0.049	ng	# 1
22) Pentachlorophenol	16.88	266	13	0.187	ng	# 75
26) Fluoranthene	19.29	202	1218	0.029	ng	# 92
28) Pyrene	19.66	202	1173	0.032	ng	# 94
30) Benzo(a)anthracene	21.40	228	913	0.022	ng	# 64
31) Chrysene	21.45	228	926	0.021	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.31	149	17337	0.367	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.63	276	1080	0.020	ng	# 91
35) Benzo(b)fluoranthene	23.17	252	1920	0.041	ng	# 25
36) Benzo(k)fluoranthene	23.17	252	1920	0.039	ng	# 23
37) Benzo(a)pyrene	23.83	252	1155	0.025	ng	# 32
39) Benzo(g,h,i)perylene	27.48	276	1063	0.022	ng	# 64

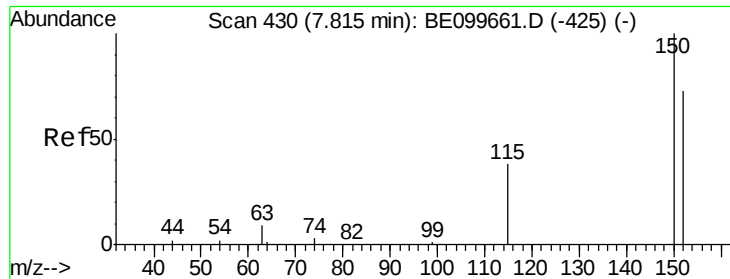
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

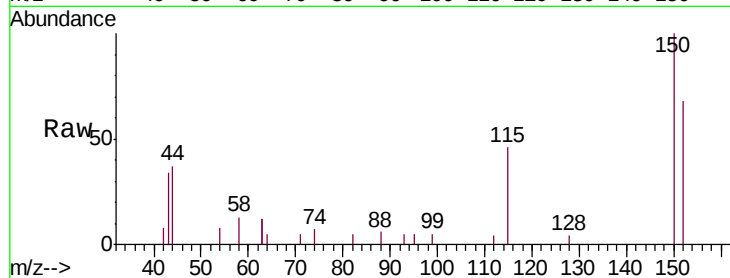
Tgt Ion:152 Resp: 1431

Ion Ratio Lower Upper

152 100

150 147.4 109.2 163.8

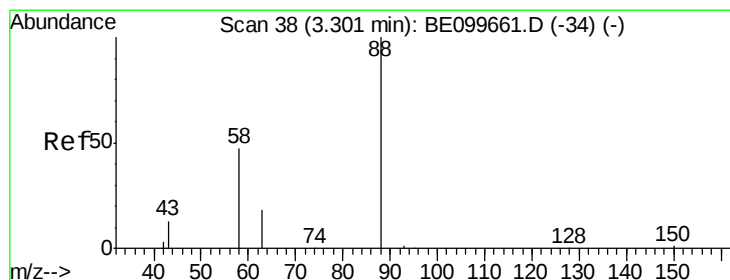
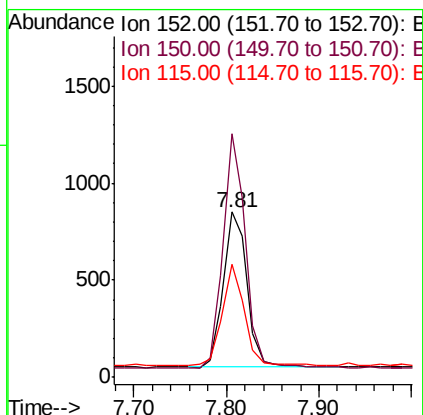
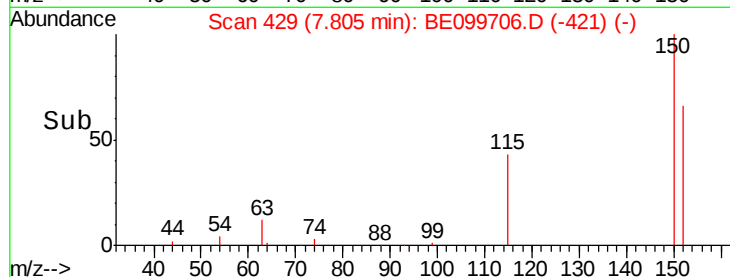
115 68.2 43.7 65.5#



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: 0.049 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

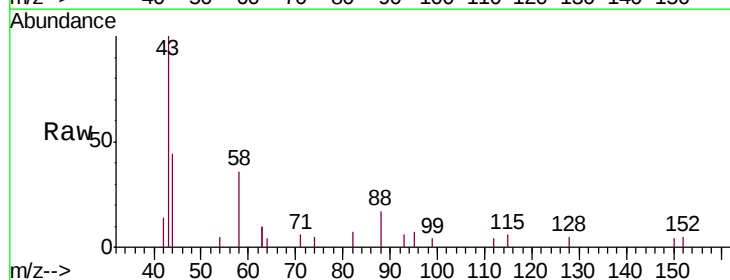
Tgt Ion: 88 Resp: 103

Ion Ratio Lower Upper

88 100

58 149.5 41.8 62.8#

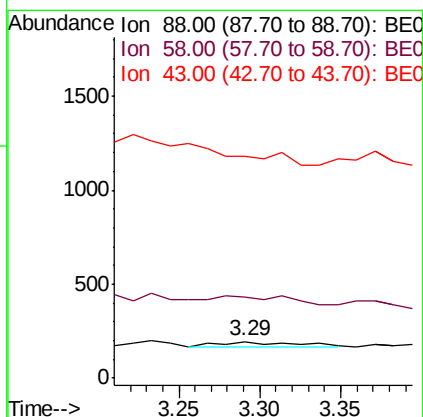
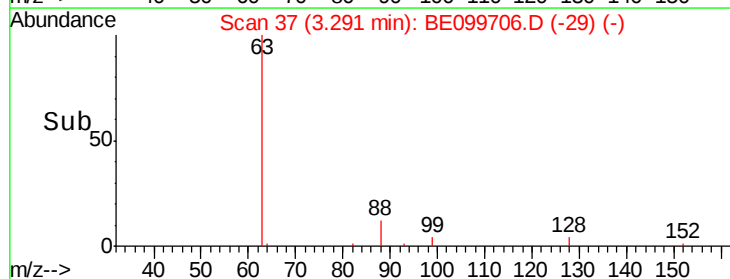
43 0.0 15.0 22.4#

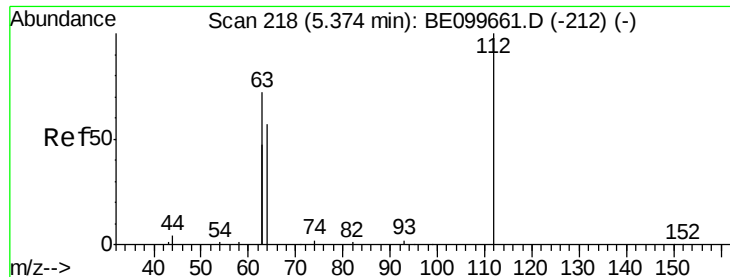


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.399 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

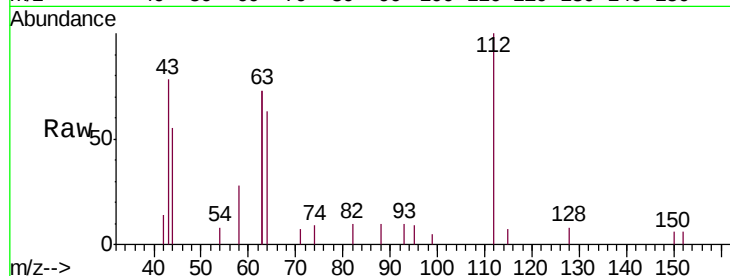
Tgt Ion:112 Resp: 1443

Ion Ratio Lower Upper

112 100

64 57.0 43.4 65.2

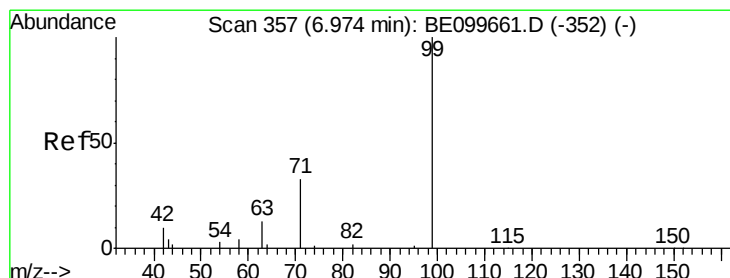
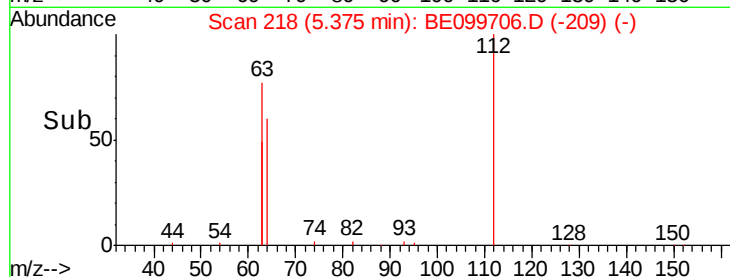
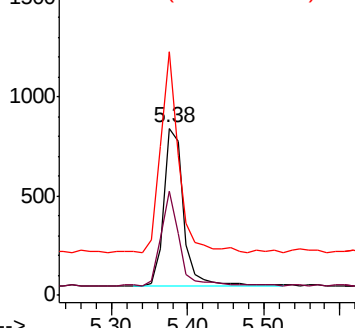
63 114.8 96.9 145.3



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: 0.431 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

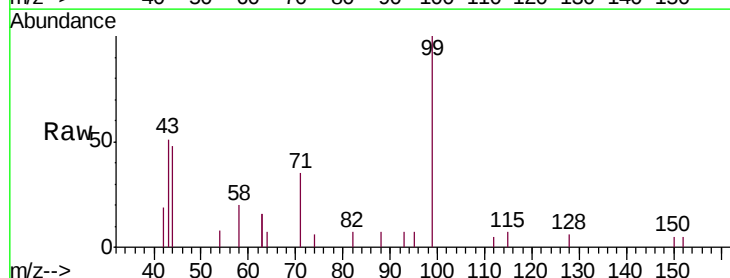
Tgt Ion: 99 Resp: 2064

Ion Ratio Lower Upper

99 100

42 18.1 12.2 18.2

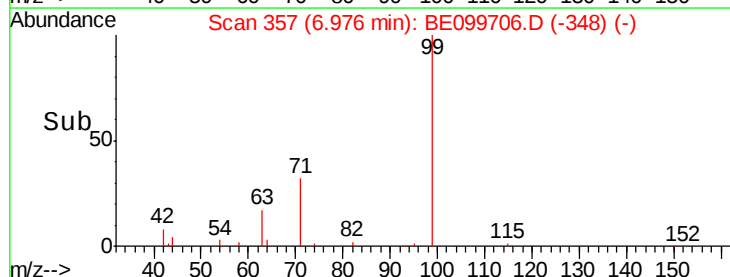
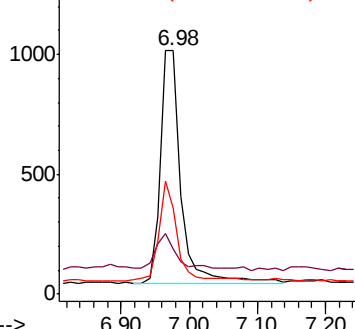
71 36.7 28.9 43.3

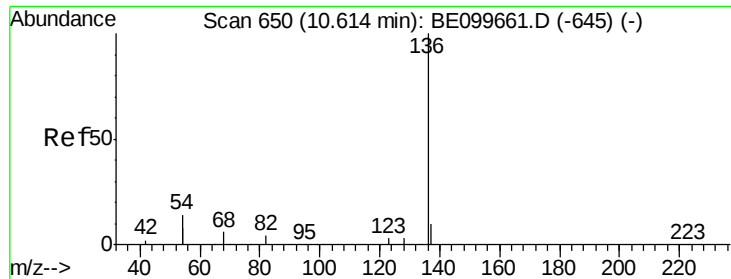


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

Tgt Ion:136 Resp: 5090

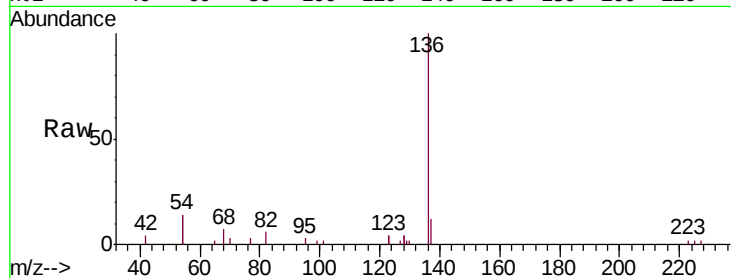
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 28.8 22.3 33.5

68 7.4 6.0 9.0

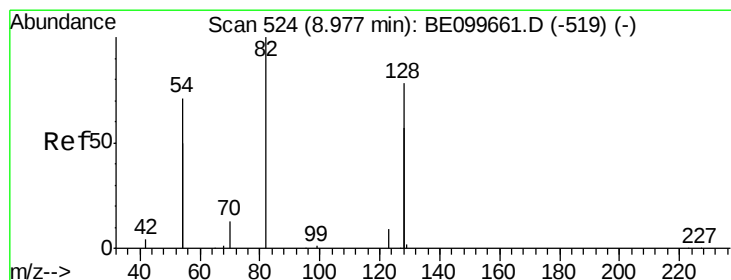
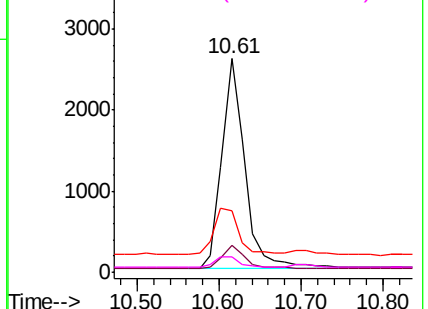
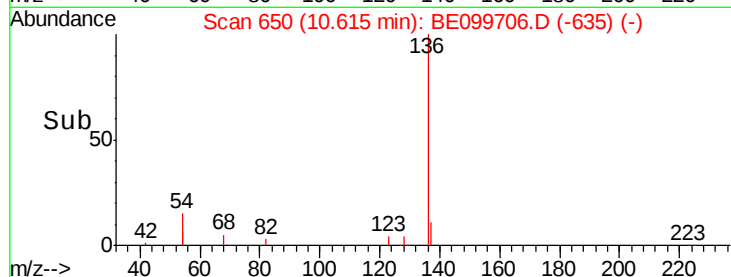


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.391 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

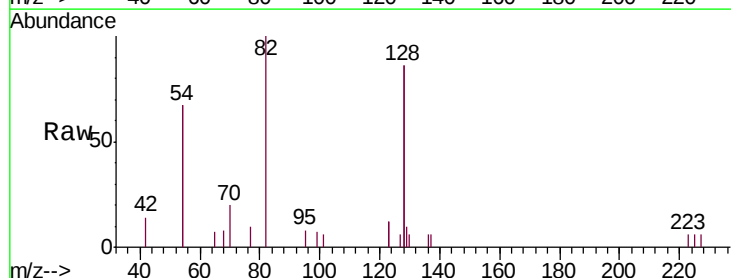
Tgt Ion: 82 Resp: 1723

Ion Ratio Lower Upper

82 100

128 171.6 117.7 176.5

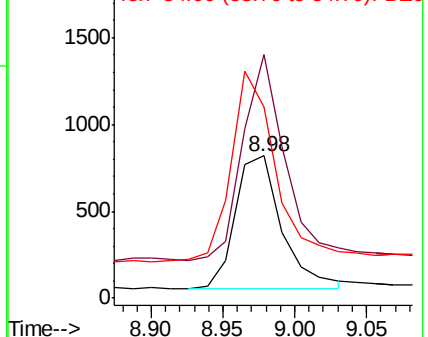
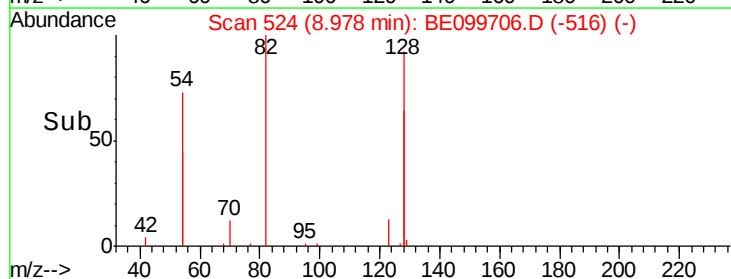
54 134.9 106.6 160.0

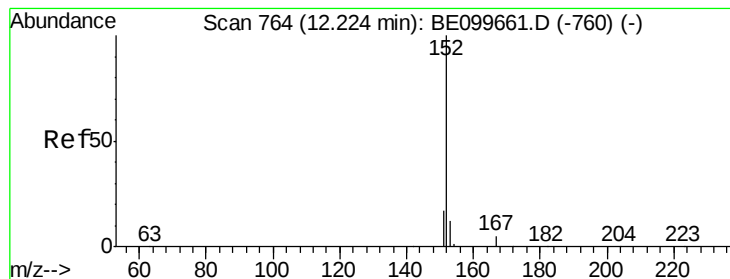


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.369 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

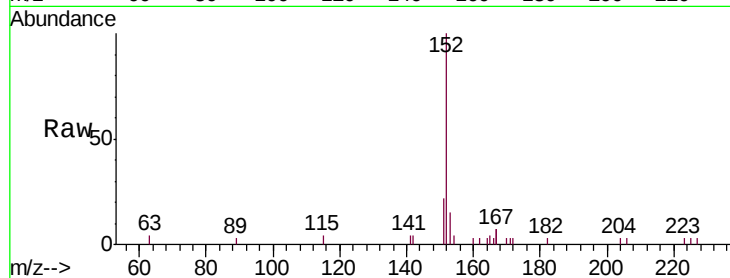
FESB-11(7-7.5)

Tgt Ion:152 Resp: 3239

Ion Ratio Lower Upper

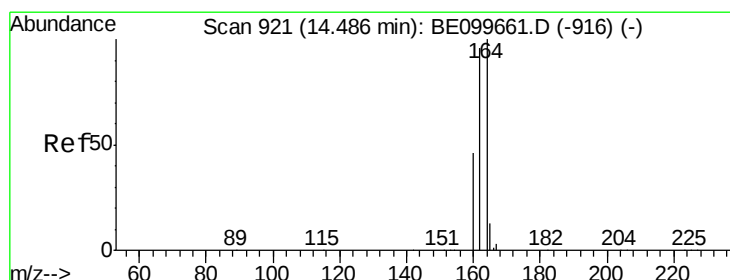
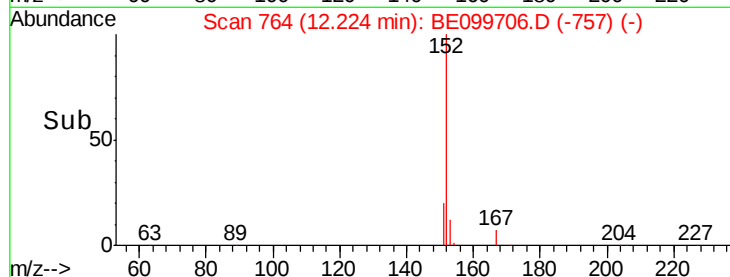
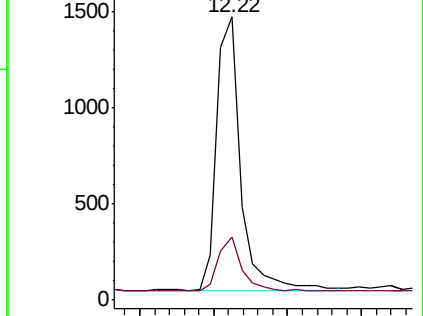
152 100

151 19.4 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: BE099706.D

Acq: 22 May 2019 1:23

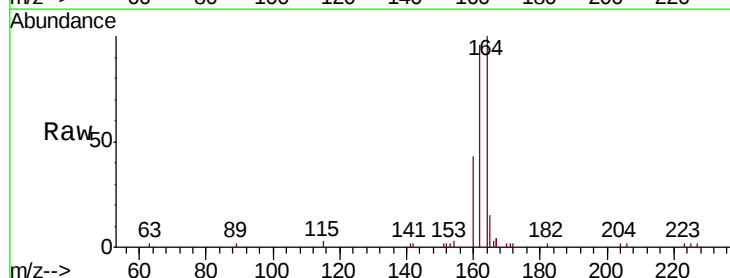
Tgt Ion:164 Resp: 3683

Ion Ratio Lower Upper

164 100

162 96.3 76.5 114.7

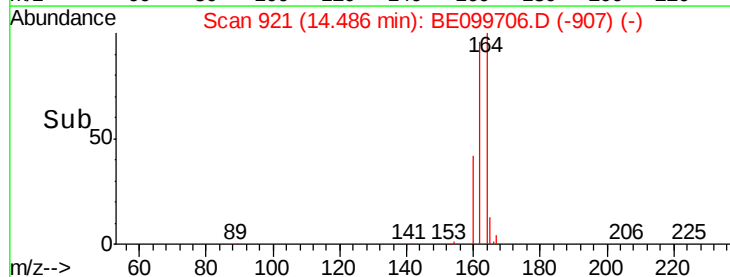
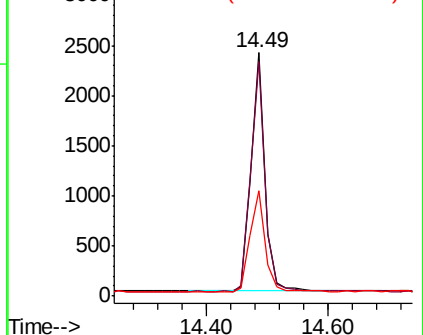
160 43.1 37.4 56.2

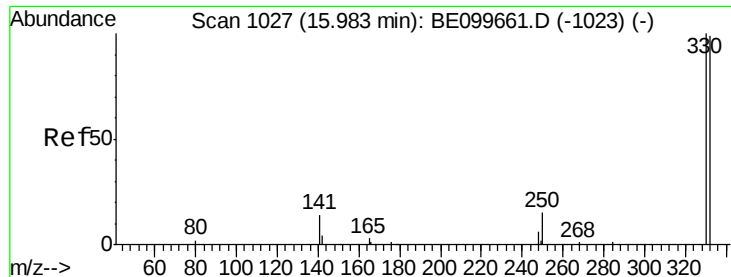


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

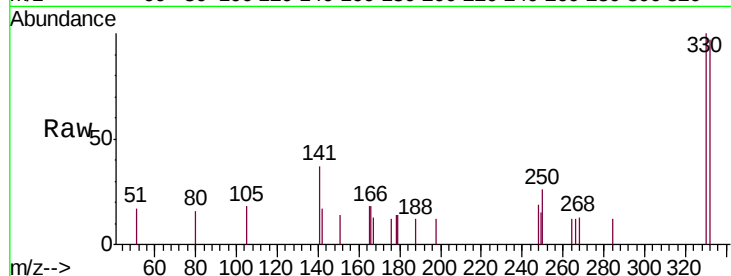




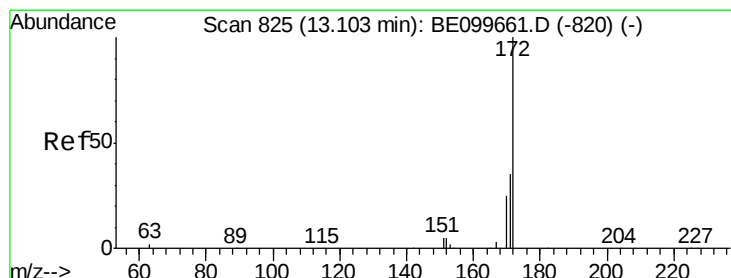
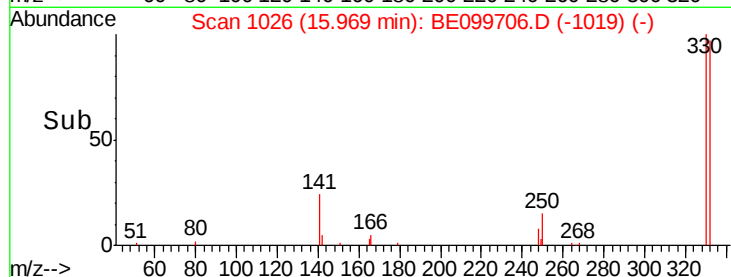
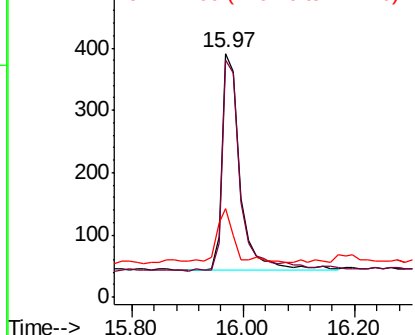
#14
 2,4,6-Tribromophenol
 Concen: 0.415 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099706.D
 Acq: 22 May 2019 1:23

Instrument :
 BNA_E
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 FESB-11(7-7.5)

Tgt Ion: 330 Resp: 799
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.3 115.9
 141 20.9 18.9 28.3

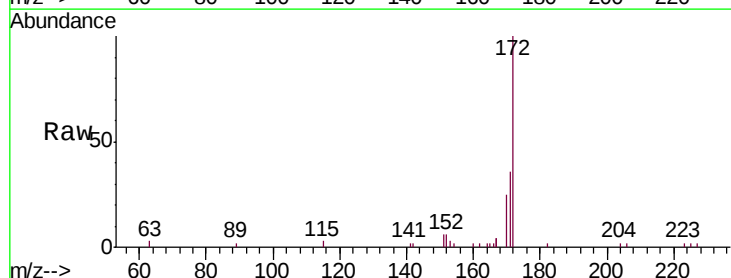


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

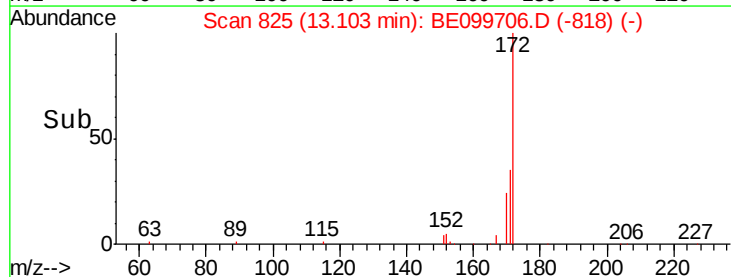
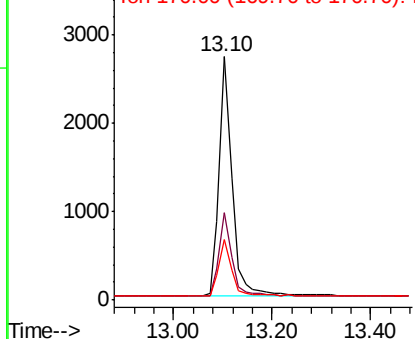


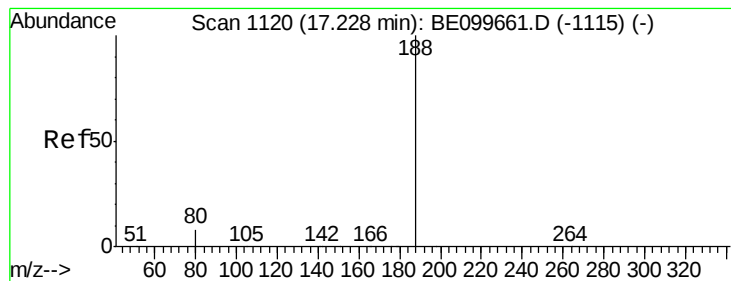
#15
 2-Fluorobiphenyl
 Concen: 0.355 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BE099706.D
 Acq: 22 May 2019 1:23

Tgt Ion: 172 Resp: 4964
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.7 43.1
 170 24.9 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

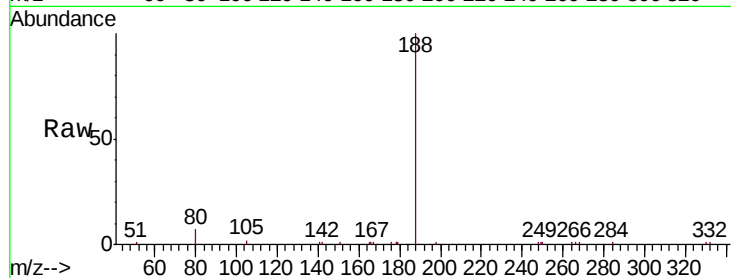
Tgt Ion:188 Resp: 10843

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

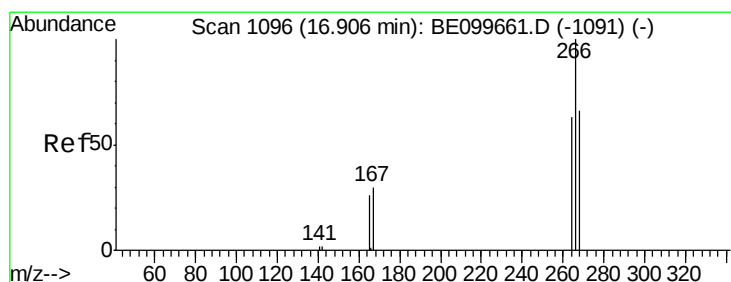
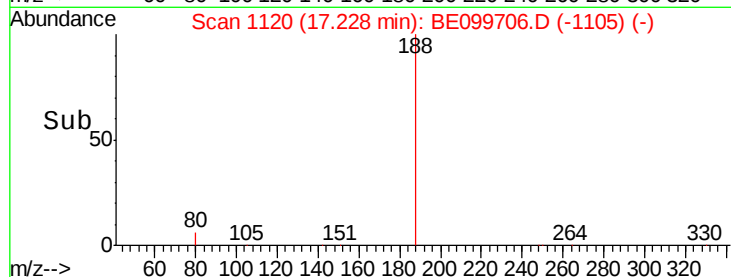
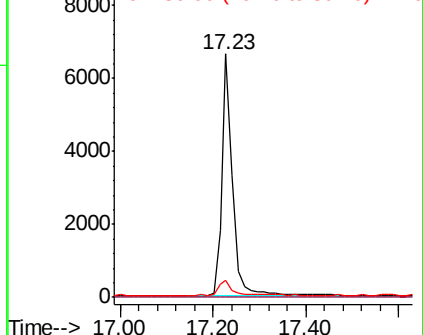
80 7.3 6.7 10.1



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: 0.187 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

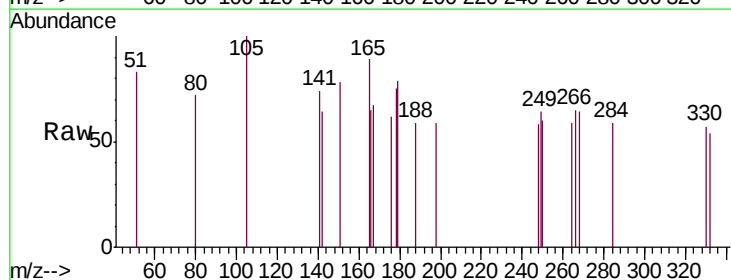
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 90.6 57.2 85.8#

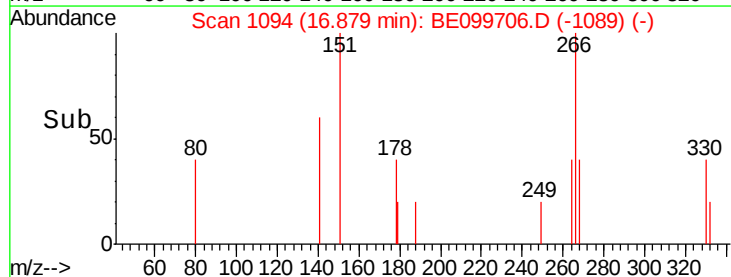
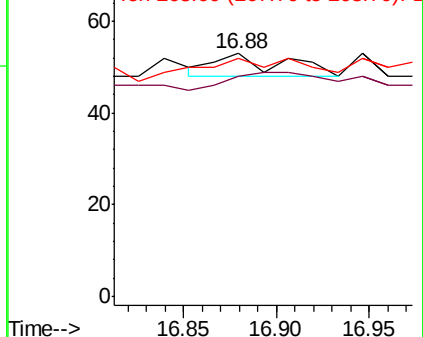
268 98.1 60.5 90.7#

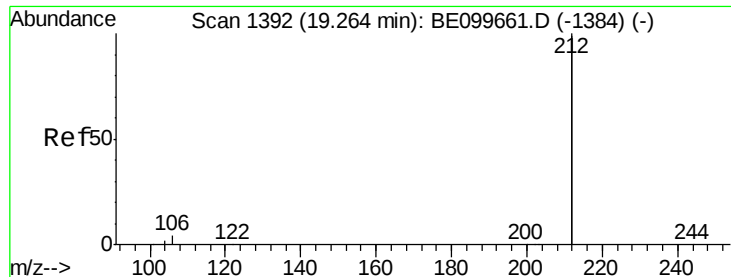


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.331 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099706.D

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FESB-11(7-7.5)

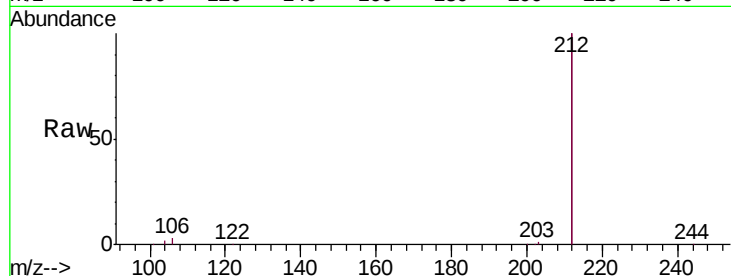
Tgt Ion:212 Resp: 49092

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

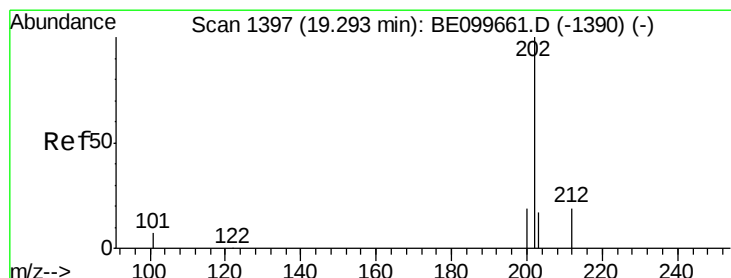
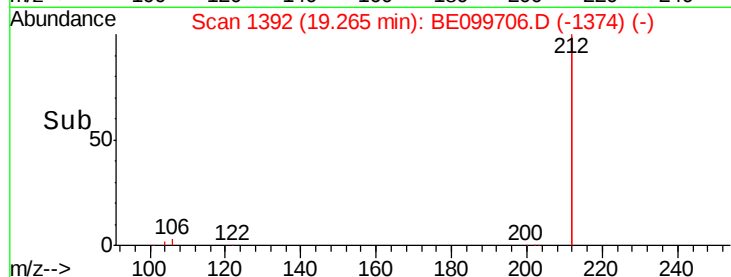
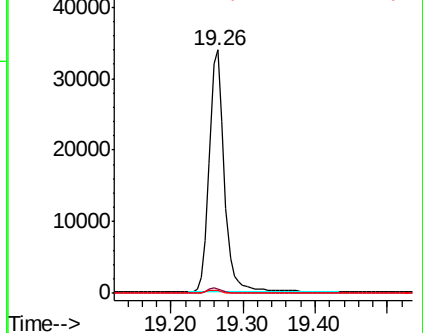
104 1.0 0.8 1.2



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: 0.029 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

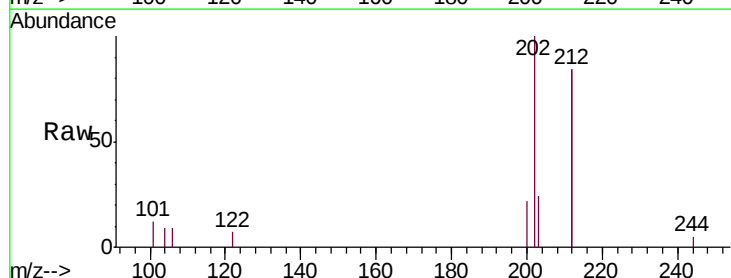
Tgt Ion:202 Resp: 1218

Ion Ratio Lower Upper

202 100

101 10.5 5.2 7.8#

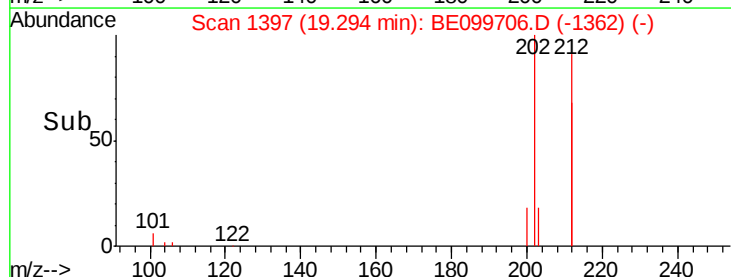
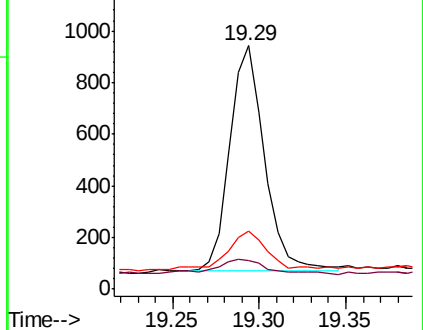
203 20.4 13.8 20.6

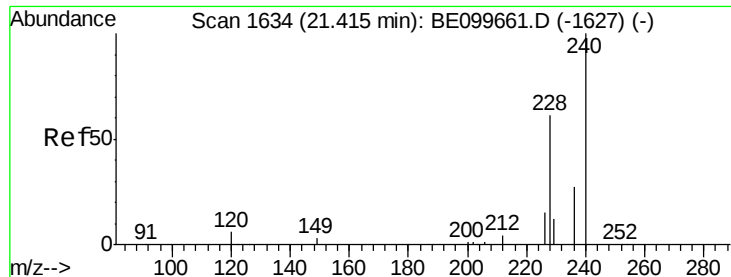


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

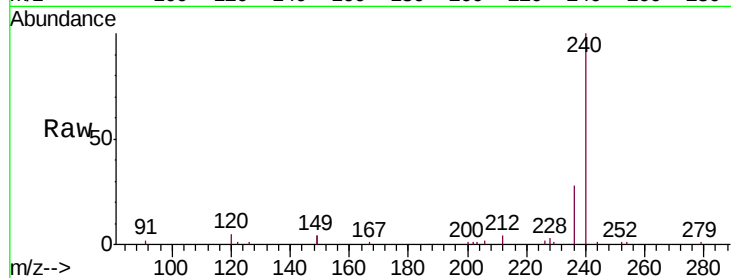
Tgt Ion:240 Resp: 14434

Ion Ratio Lower Upper

240 100

120 4.7 5.4 8.0#

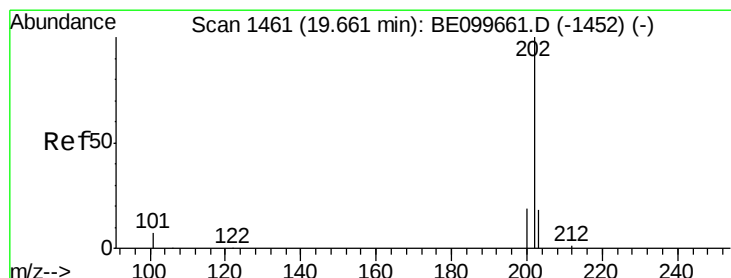
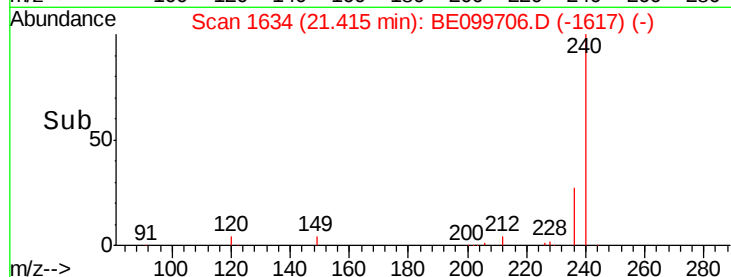
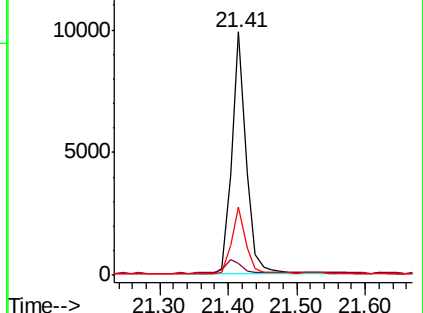
236 27.9 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.032 ng

RT: 19.66 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

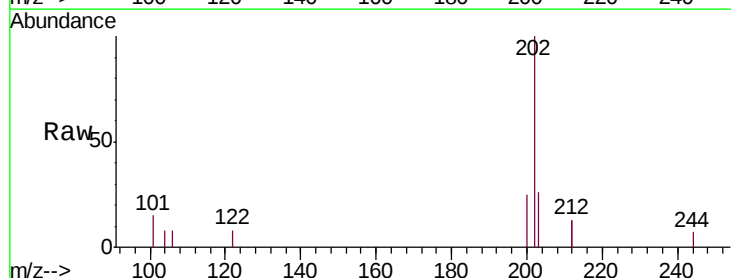
Tgt Ion:202 Resp: 1173

Ion Ratio Lower Upper

202 100

200 20.0 15.4 23.2

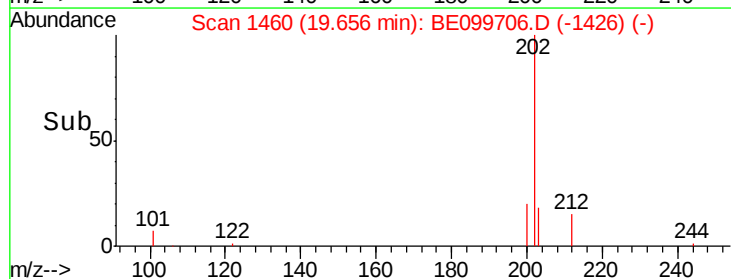
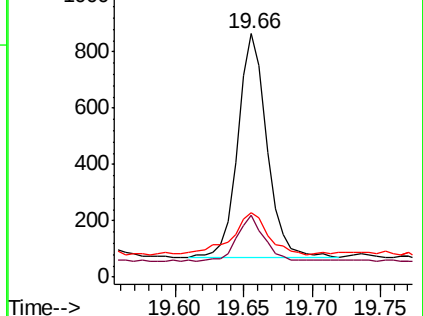
203 22.3 13.8 20.8#

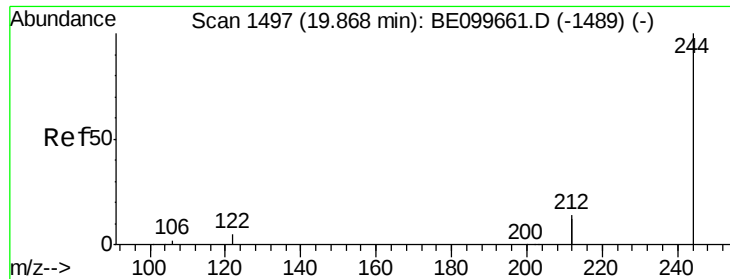


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.402 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

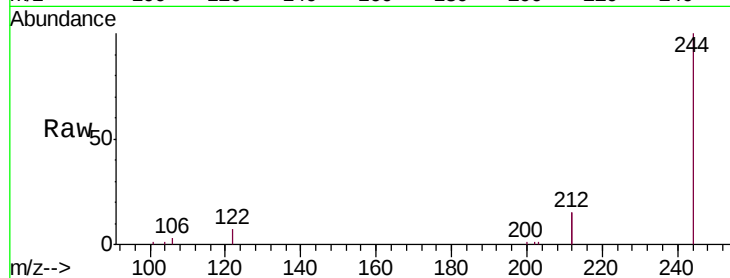
Tgt Ion:244 Resp: 10367

Ion Ratio Lower Upper

244 100

212 30.4 22.5 33.7

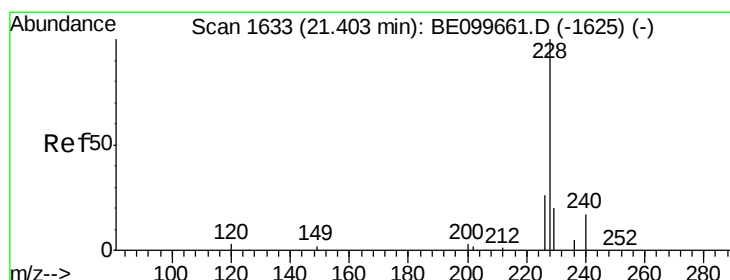
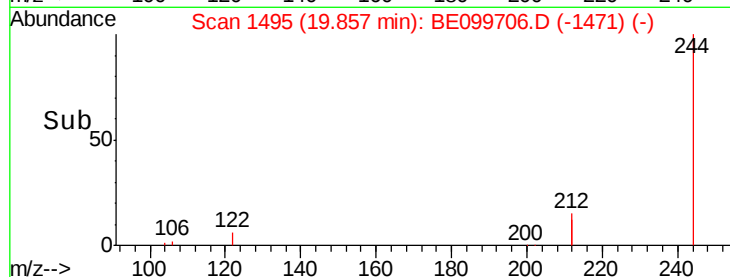
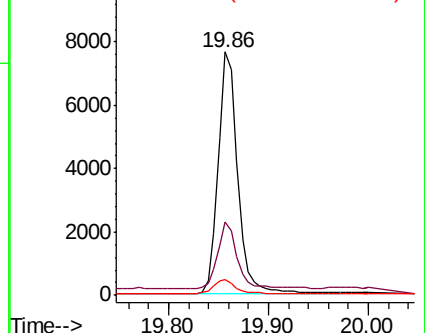
122 6.6 4.3 6.5#



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: 0.022 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

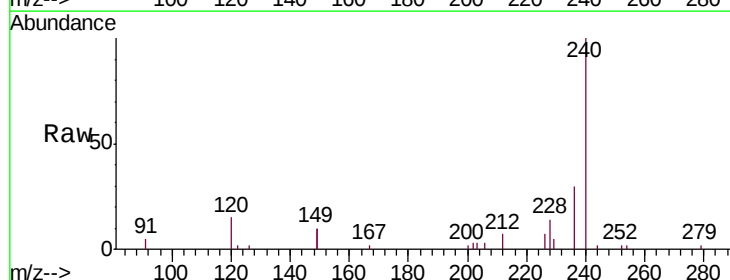
Tgt Ion:228 Resp: 913

Ion Ratio Lower Upper

228 100

226 47.4 21.3 31.9#

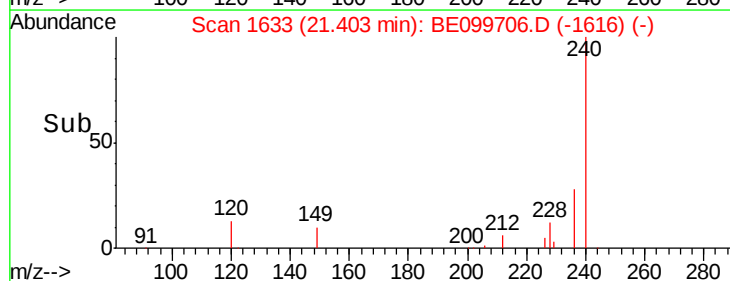
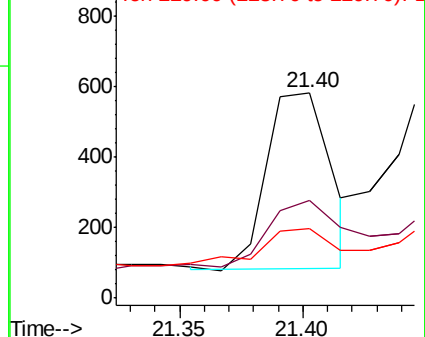
229 33.8 16.1 24.1#

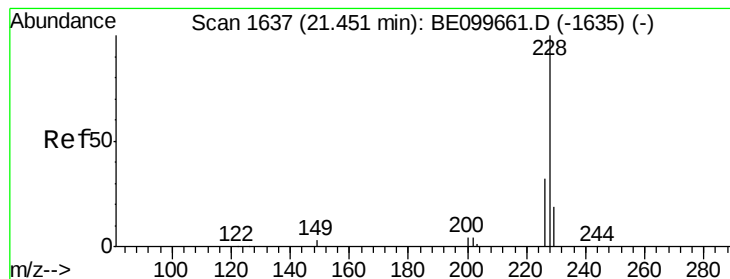


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.021 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

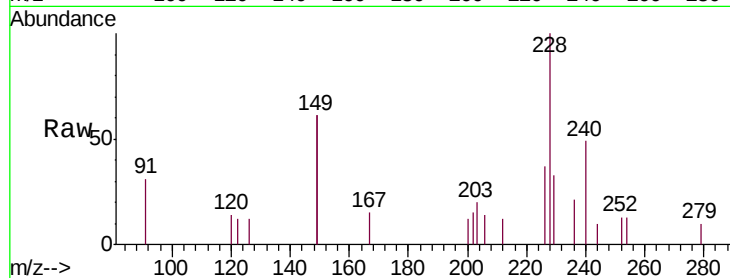
Tgt Ion:228 Resp: 926

Ion Ratio Lower Upper

228 100

226 36.7 24.7 37.1

229 32.7 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

21.45

600

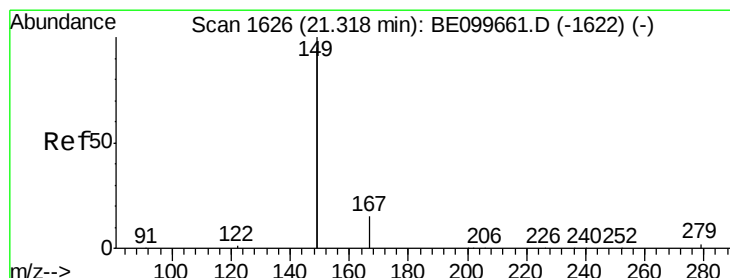
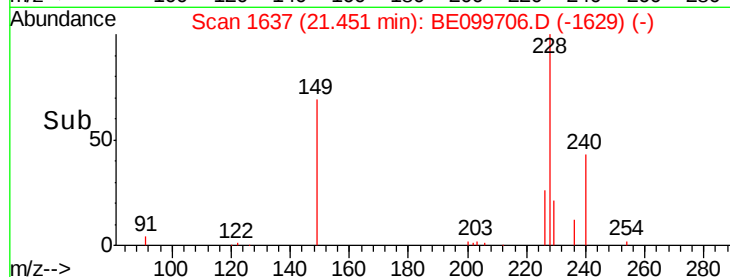
400

200

0

21.40 21.45 21.50

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.367 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

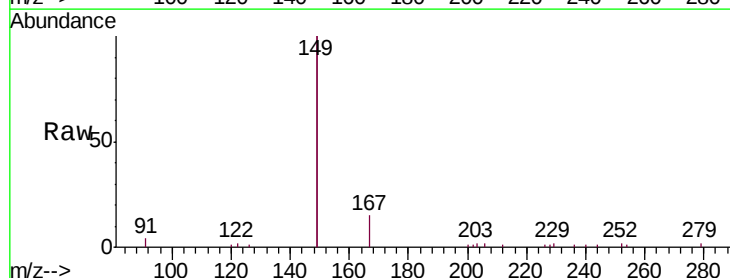
Tgt Ion:149 Resp: 17337

Ion Ratio Lower Upper

149 100

167 7.6 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

21.31

15000

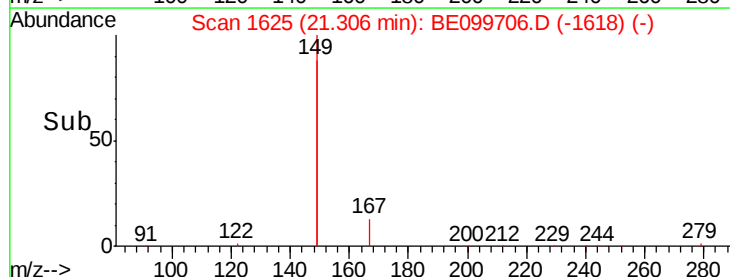
10000

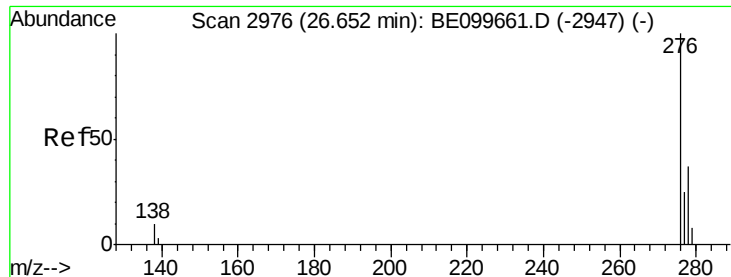
5000

0

21.25 21.30 21.35 21.40

Time-->

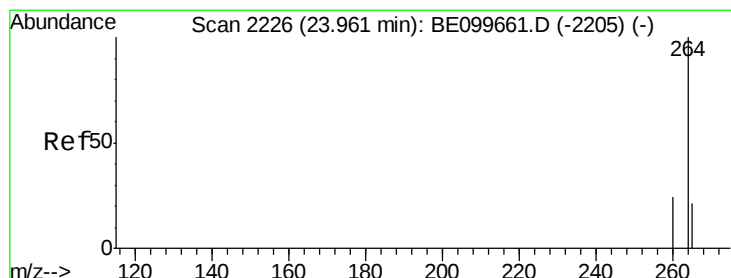
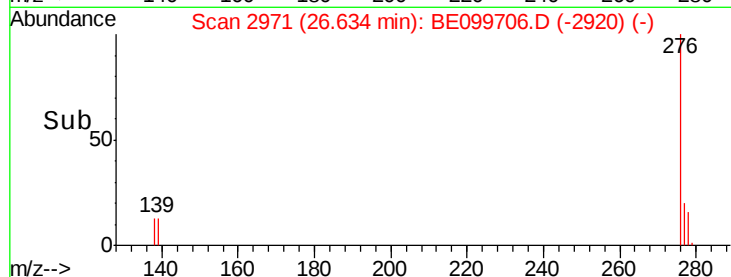
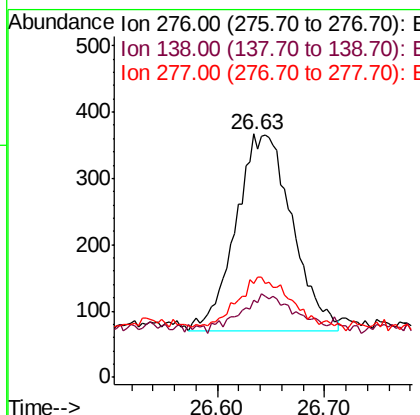
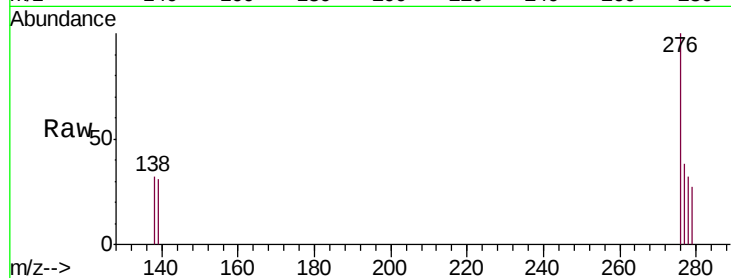




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.020 ng
 RT: 26.63 min Scan# 2971
 Delta R.T. -0.02 min
 Lab File: BE099706.D
 Acq: 22 May 2019 1:23

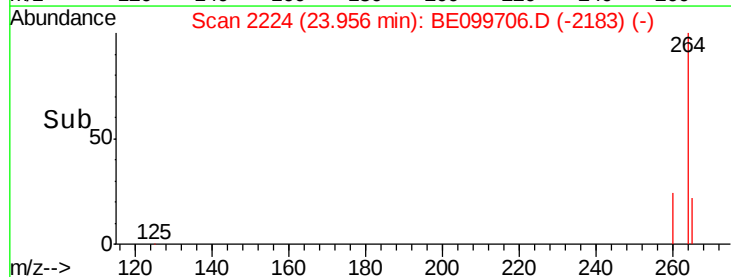
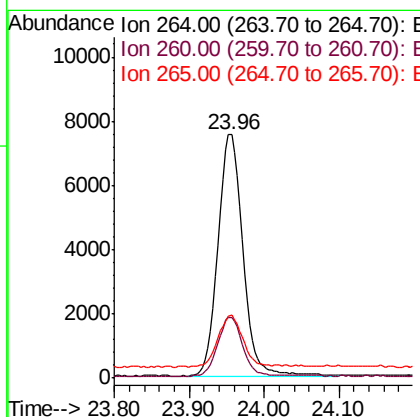
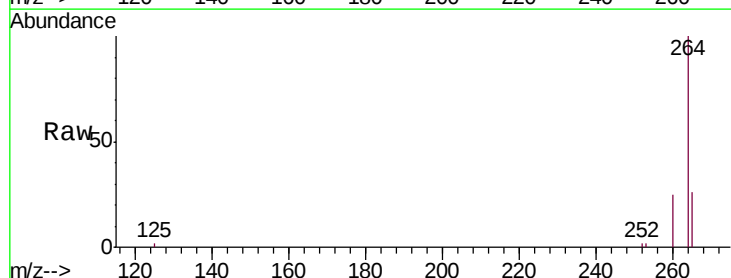
Instrument :
 BNA_E
 ClientSampleId :
 FESB-11(7-7.5)

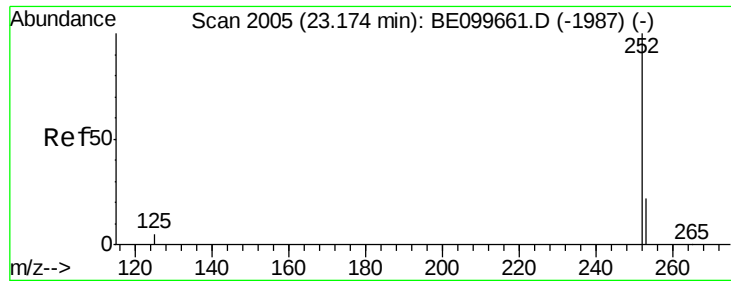
Tgt Ion: 276 Resp: 1080
 Ion Ratio Lower Upper
 276 100
 138 19.4 9.6 14.4#
 277 21.9 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BE099706.D
 Acq: 22 May 2019 1:23

Tgt Ion: 264 Resp: 17299
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.6 29.4
 265 26.0 19.1 28.7





#35

Benzo(b)fluoranthene

Concen: 0.041 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

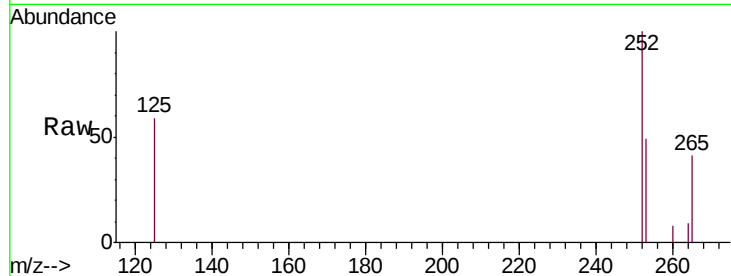
Tgt Ion:252 Resp: 1920

Ion Ratio Lower Upper

252 100

253 48.9 18.2 27.4#

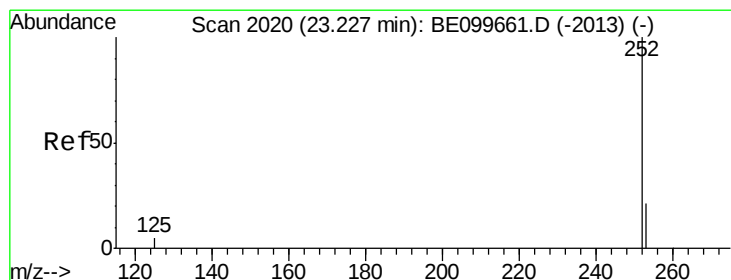
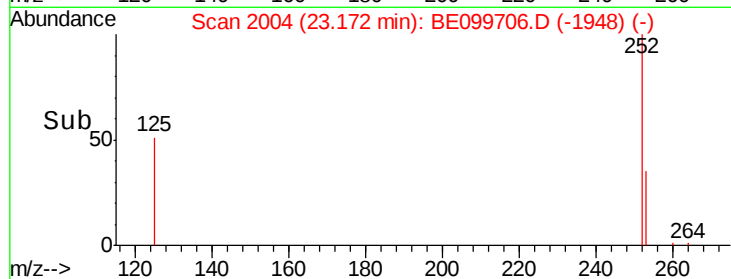
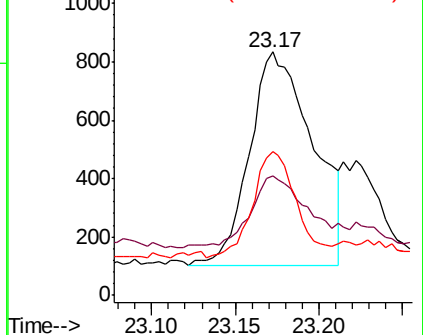
125 59.0 4.5 6.7#



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: 0.039 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.06 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

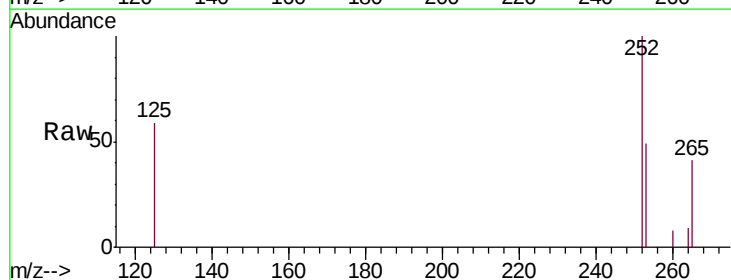
Tgt Ion:252 Resp: 1920

Ion Ratio Lower Upper

252 100

253 48.9 17.8 26.8#

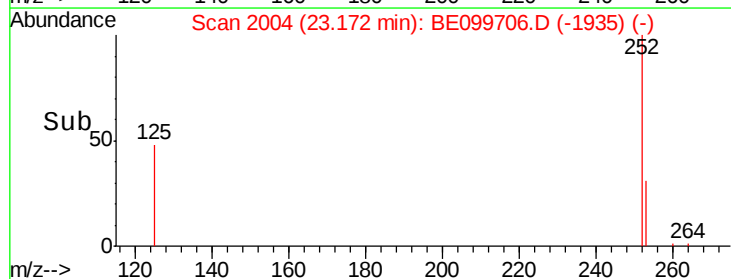
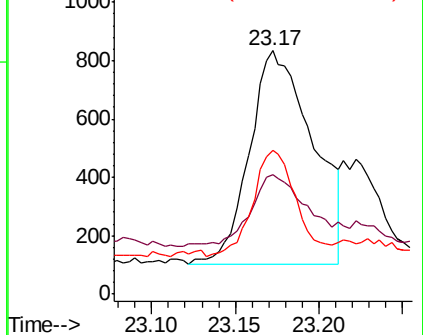
125 59.0 4.6 6.8#

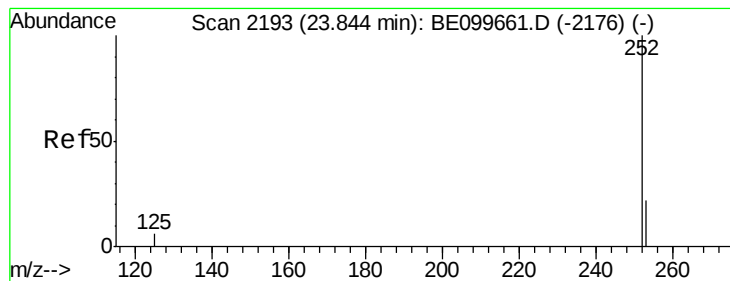


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.025 ng

RT: 23.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

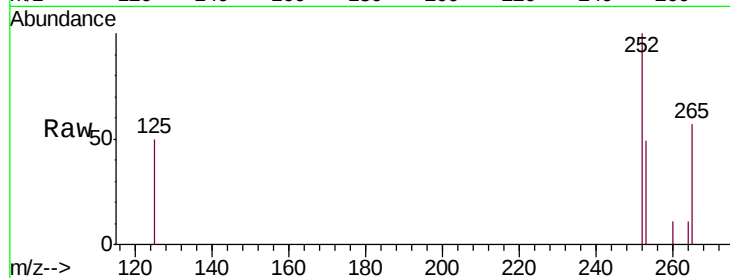
Tgt Ion: 252 Resp: 1155

Ion Ratio Lower Upper

252 100

253 48.7 18.9 28.3#

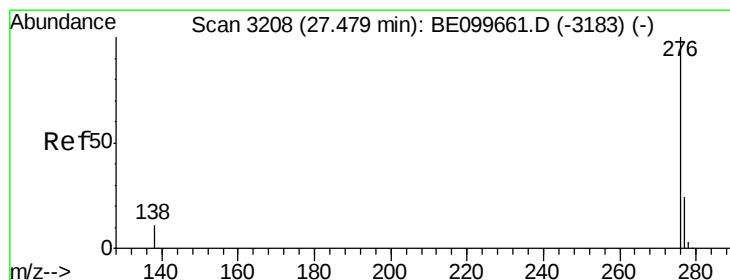
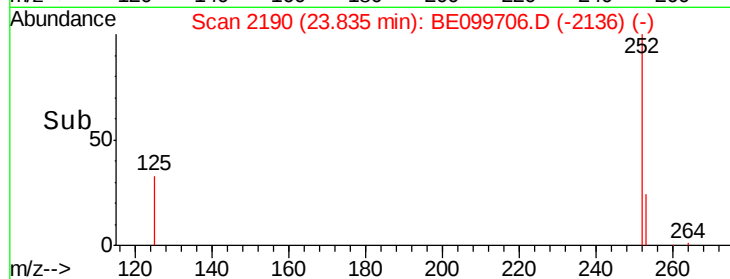
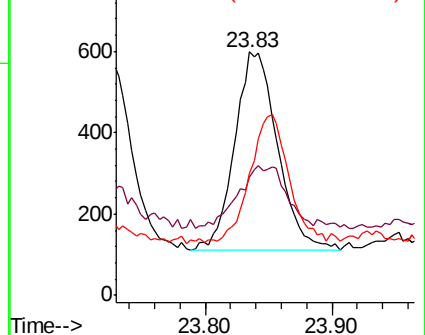
125 49.9 5.4 8.0#



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



#39

Benzo(g,h,i)perylene

Concen: 0.022 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE099706.D

Acq: 22 May 2019 1:23

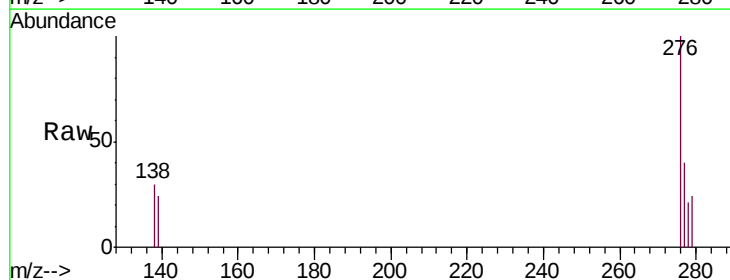
Tgt Ion: 276 Resp: 1063

Ion Ratio Lower Upper

276 100

277 39.6 19.8 29.6#

138 29.9 9.2 13.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

