

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
 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 28 02:45:05 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

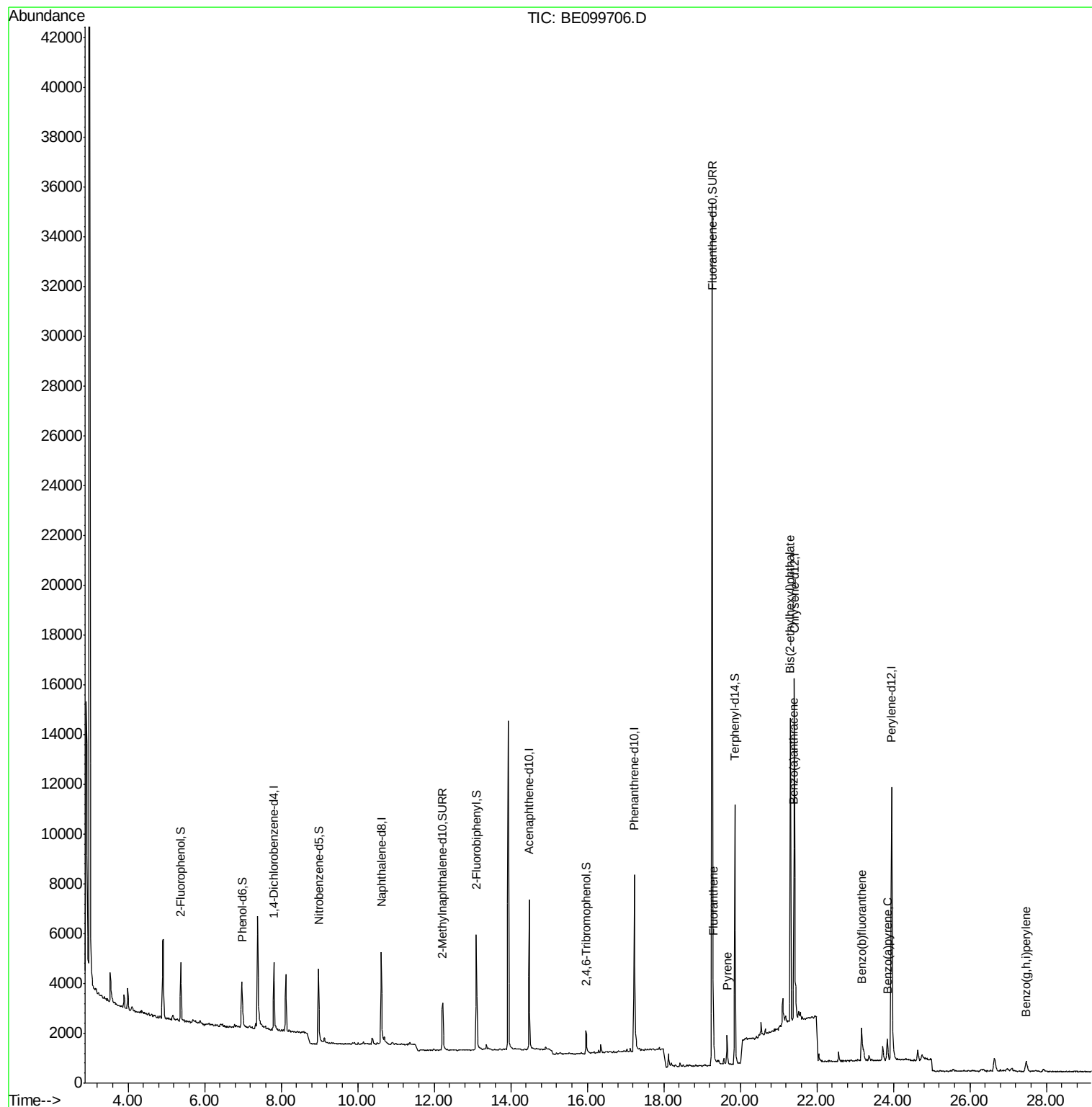
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) Fluoranthene	19.29	202	1218	0.029	ng	# 92
28) Pyrene	19.66	202	1173	0.032	ng	# 94
30) Benzo(a)anthracene	21.40	228	913	0.022	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.31	149	17337	0.367	ng	# 99
35) Benzo(b)fluoranthene	23.17	252	1920	0.041	ng	# 25
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

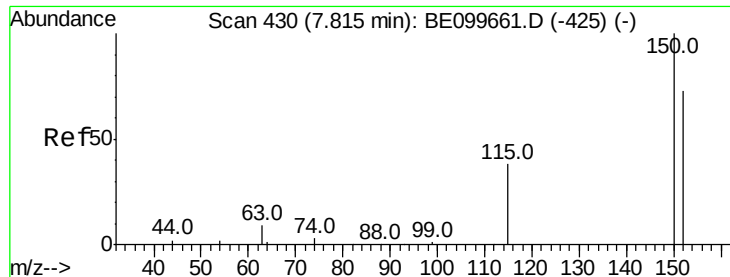
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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)

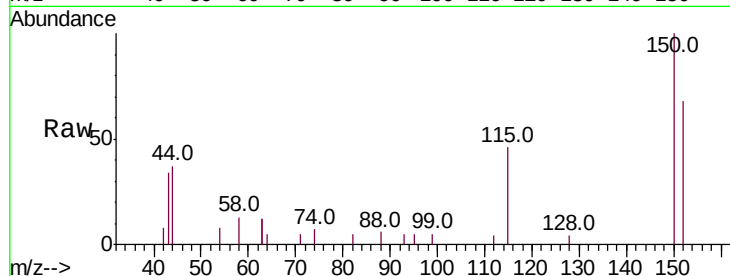
Tot Ion:152 Resp: 1431

Ion Ratio Lower Upper

152 100

150 147.4 109.2 163.8

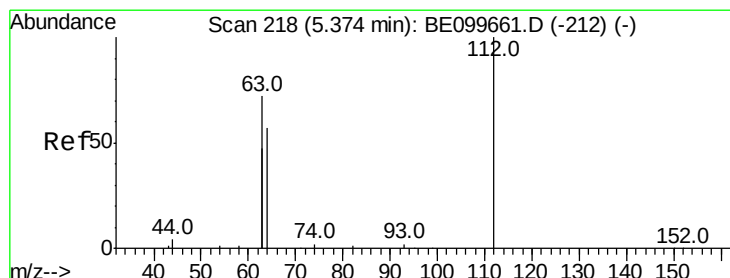
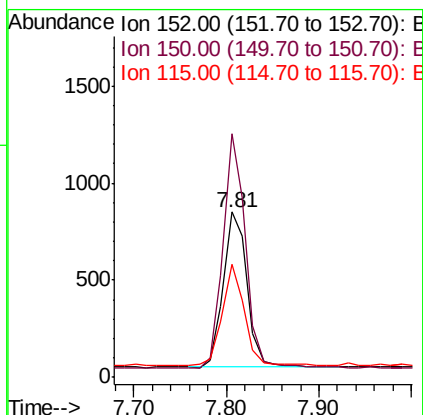
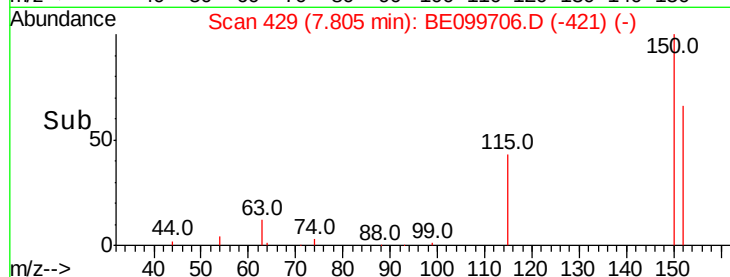
115 68.2 43.7 65.5#



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



#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

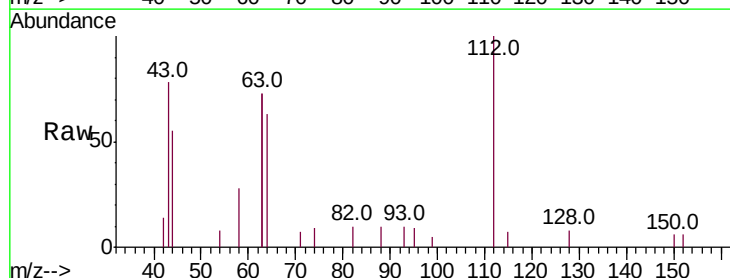
Tgt Ion:112 Resp: 1443

Ion Ratio Lower Upper

112 100

64 57.0 43.4 65.2

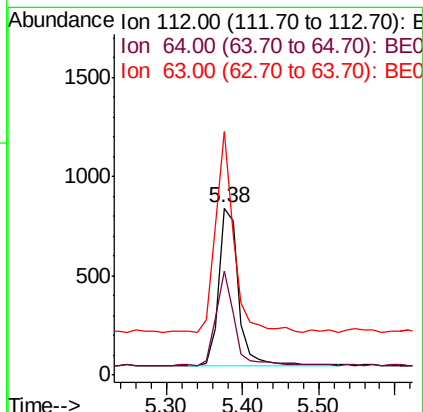
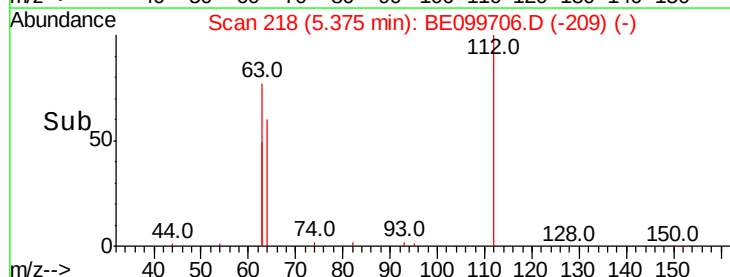
63 114.8 96.9 145.3

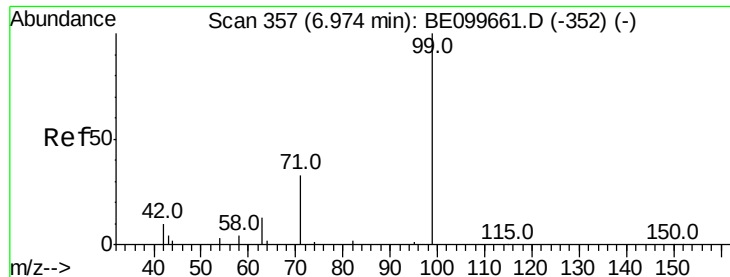


Abundance Ion 112.00 (111.70 to 112.70): E

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

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

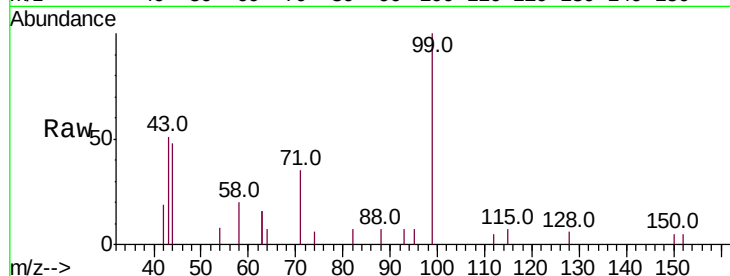
Tot Ion: 99 Resp: 2064

Ion Ratio Lower Upper

99 100

42 18.1 12.2 18.2

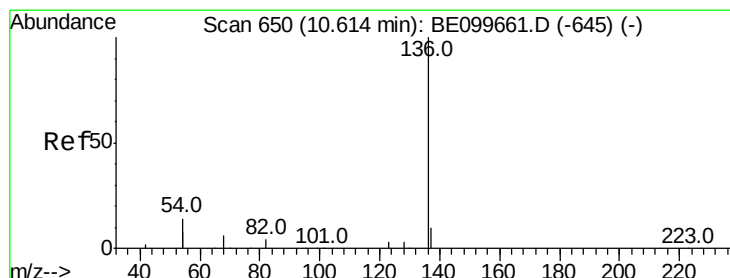
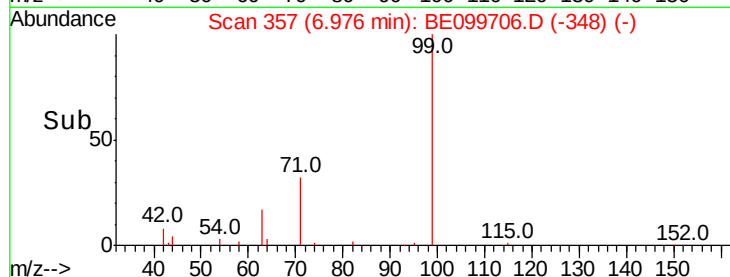
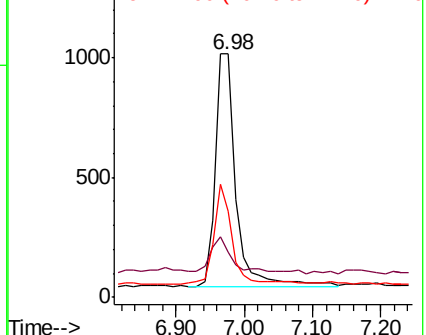
71 36.7 28.9 43.3



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

Tgt Ion: 136 Resp: 5090

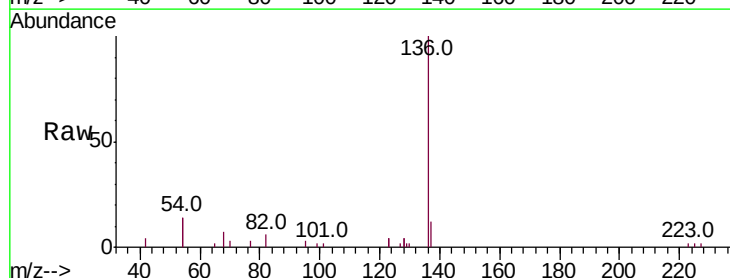
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 28.8 22.3 33.5

68 7.4 6.0 9.0

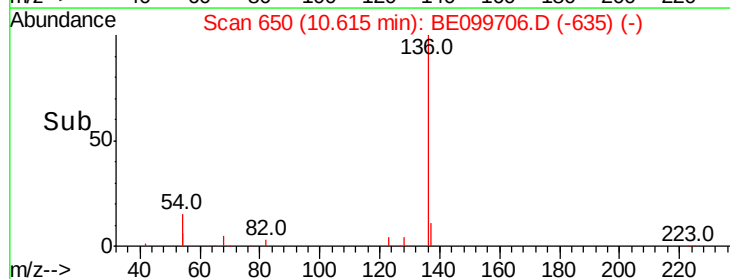
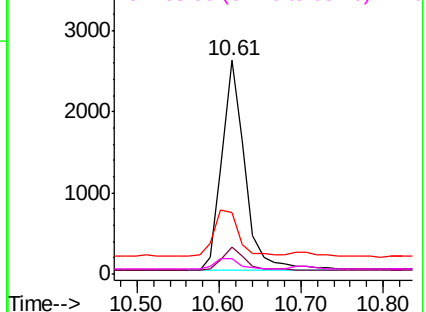


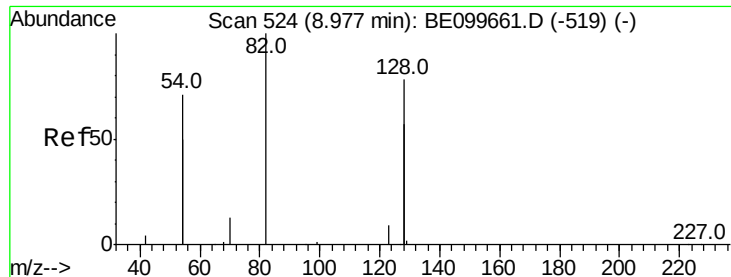
Abundance Ion 136.00 (135.70 to 136.70): E

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

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

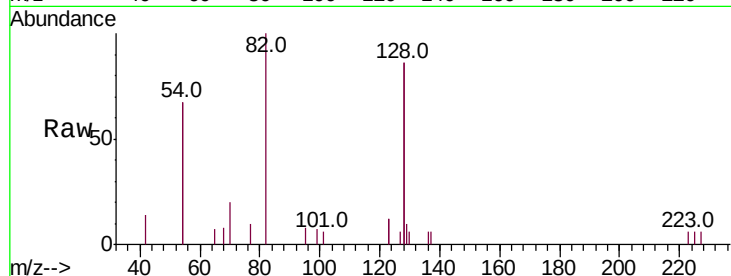
Tot Ion: 82 Resp: 1723

Ion Ratio Lower Upper

82 100

128 171.6 117.7 176.5

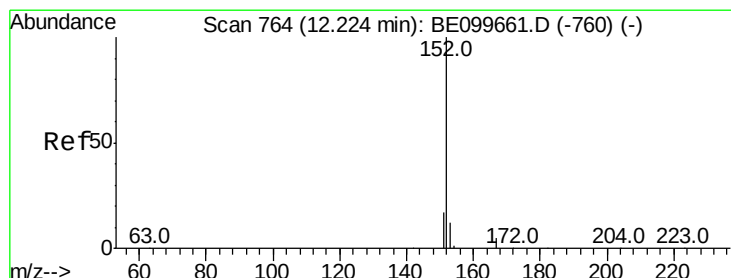
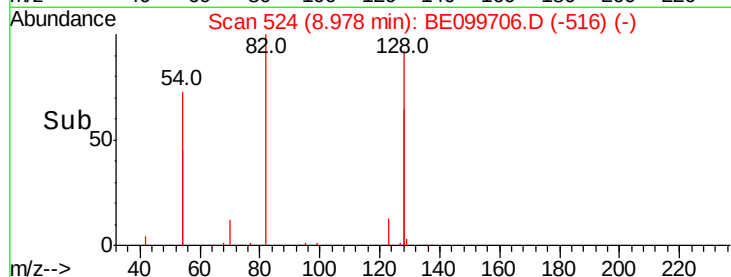
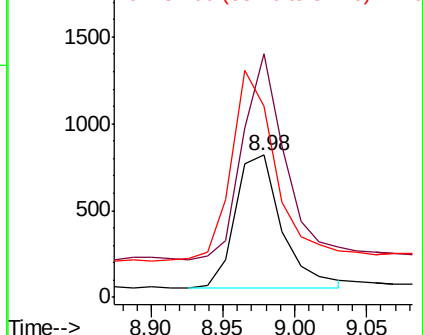
54 134.9 106.6 160.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

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

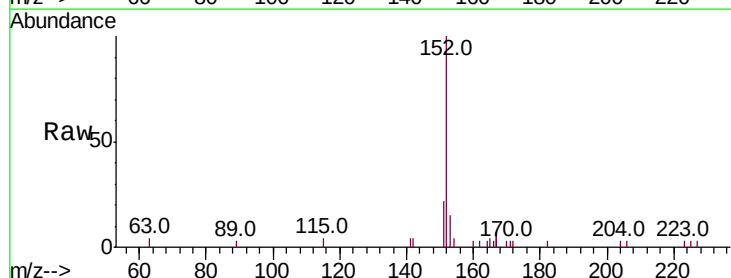
Acq: 22 May 2019 1:23

Tgt Ion: 152 Resp: 3239

Ion Ratio Lower Upper

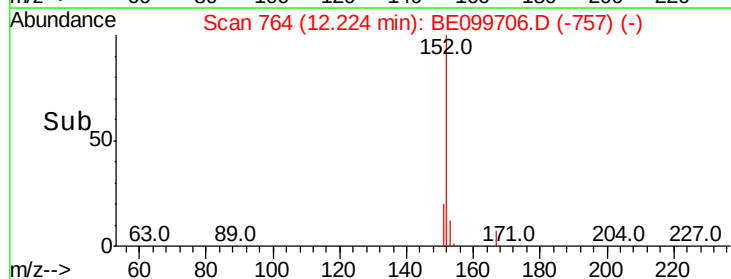
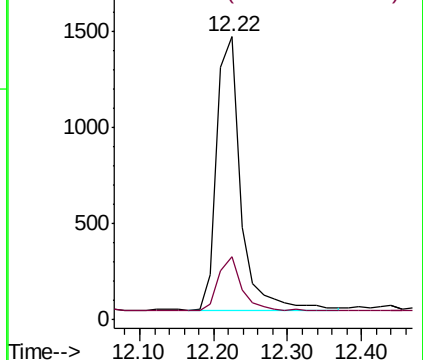
152 100

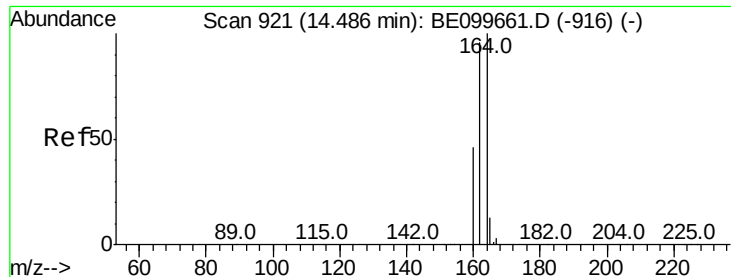
151 19.4 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

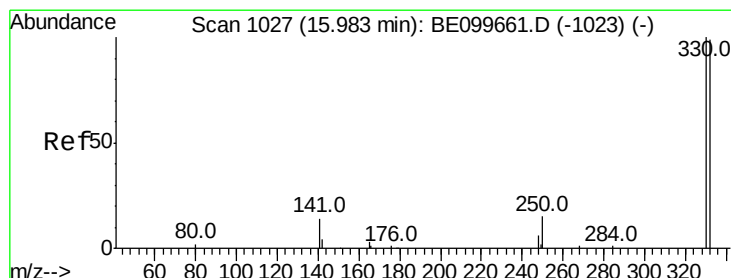
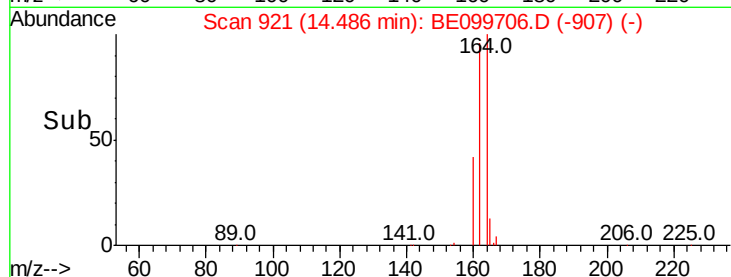
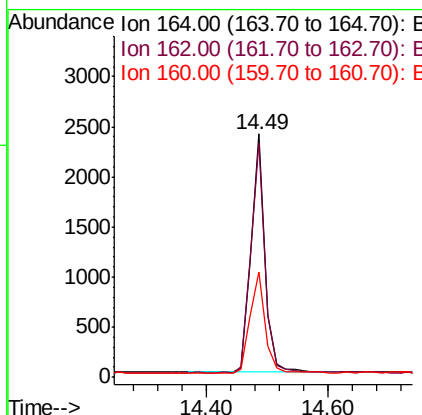
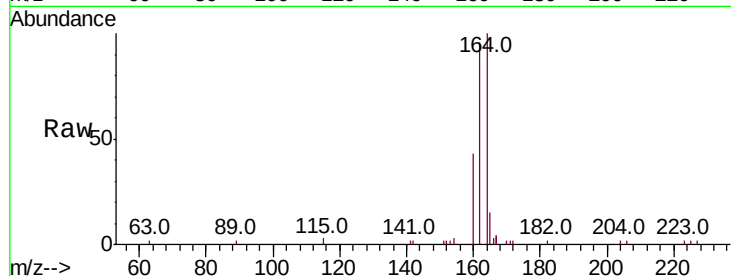




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099706.D
Acq: 22 May 2019 1:23

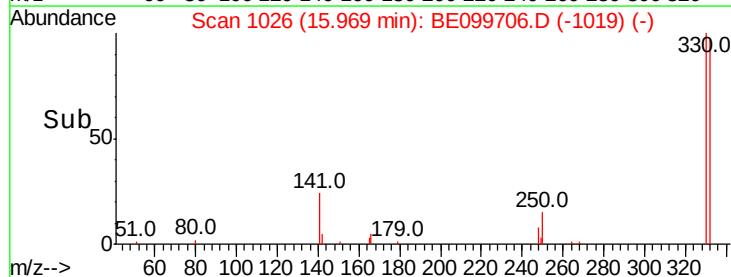
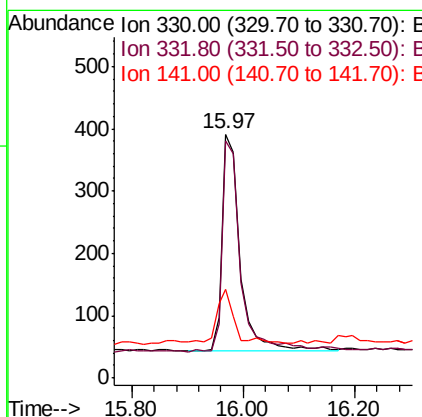
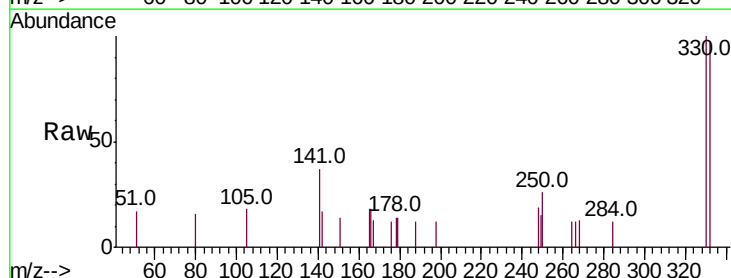
Instrument :
BNA_E
ClientSampleId :
FESB-11(7-7.5)

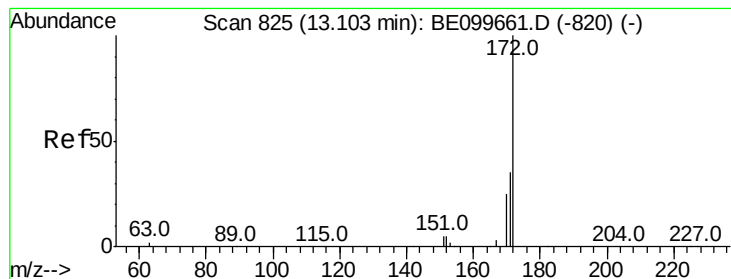
Tot Ion:164 Resp: 3683
Ion Ratio Lower Upper
164 100
162 96.3 76.5 114.7
160 43.1 37.4 56.2



#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

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

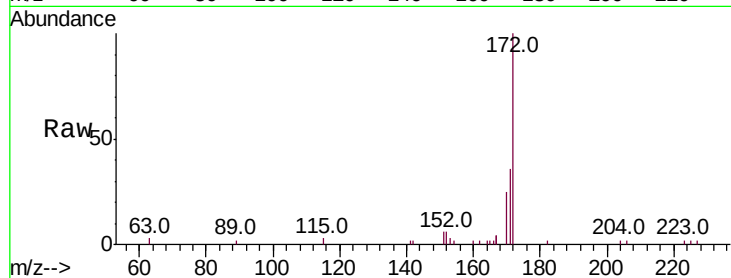




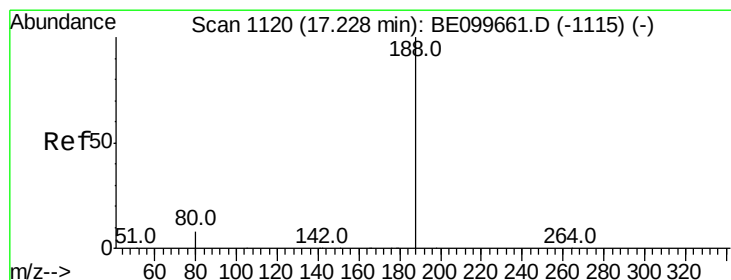
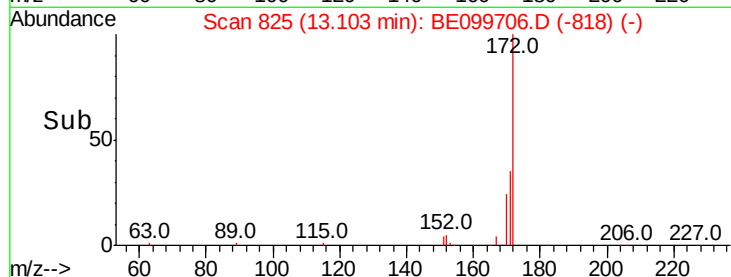
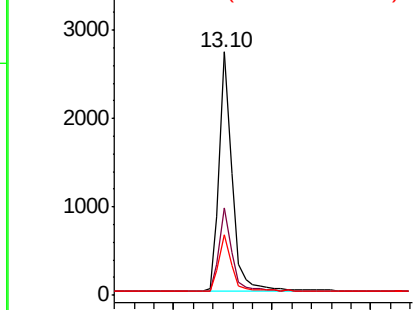
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099706.D
Acq: 22 May 2019 1:23

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

Tot Ion:172 Resp: 4964
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 24.9 20.9 31.3

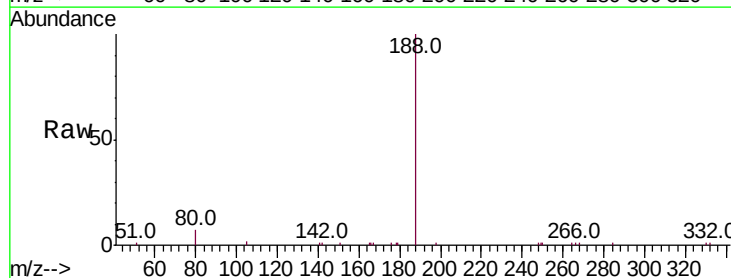


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

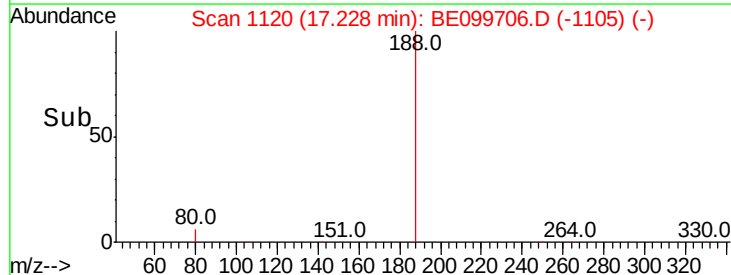
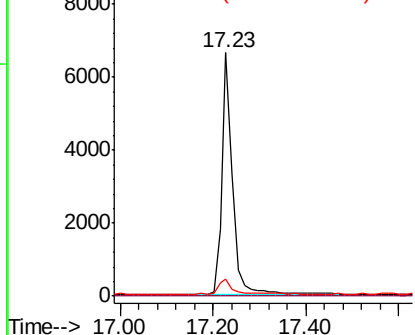


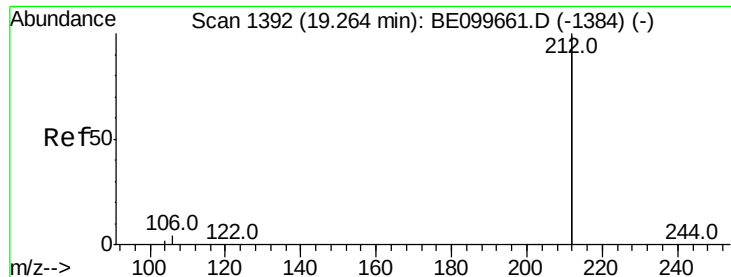
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099706.D
Acq: 22 May 2019 1:23

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





#25

Fluoranthene-d10

Concen: 0.331 ng

RT: 19.26 min Scan# 1392

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)

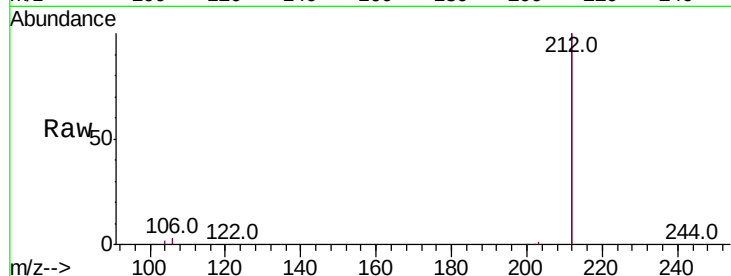
Tot Ion:212 Resp: 49092

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

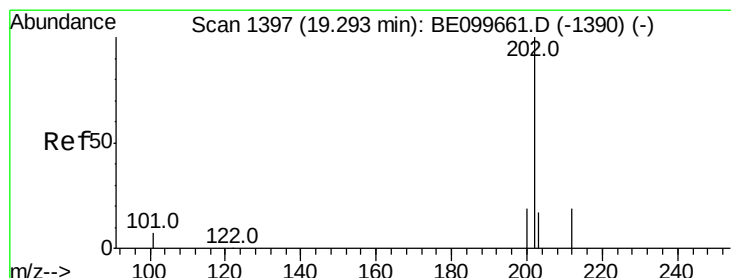
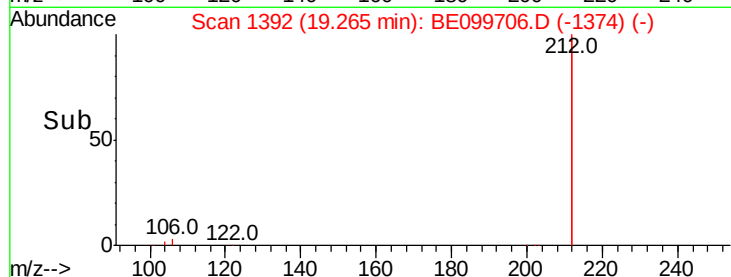
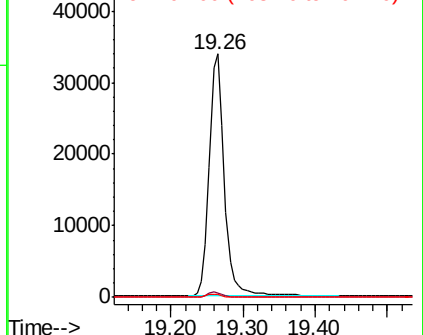
104 1.0 0.8 1.2



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

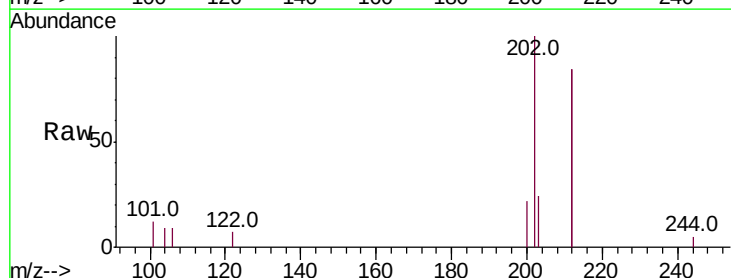
Tgt Ion:202 Resp: 1218

Ion Ratio Lower Upper

202 100

101 10.5 5.2 7.8#

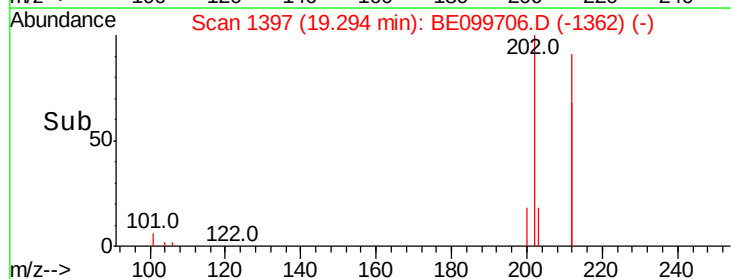
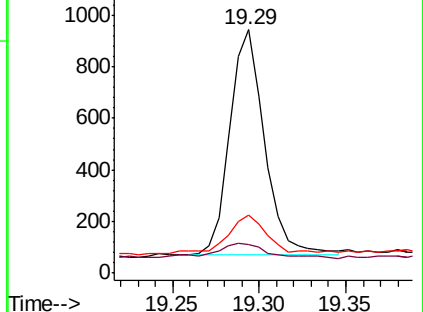
203 20.4 13.8 20.6

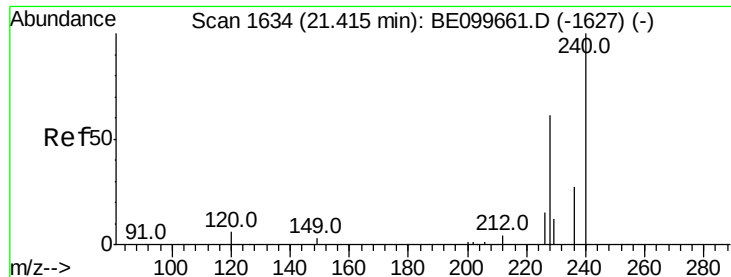


Abundance Ion 202.00 (201.70 to 202.70): E

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 :

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FESB-11(7-7.5)

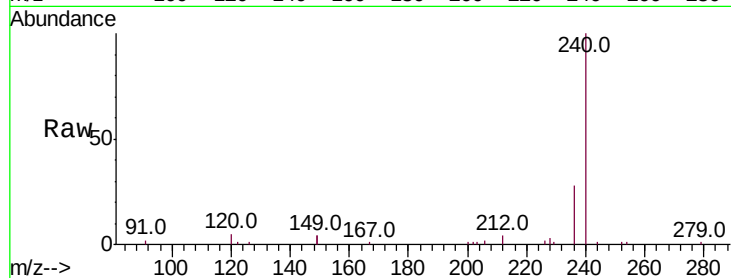
Tot Ion:240 Resp: 14434

Ion Ratio Lower Upper

240 100

120 4.7 5.4 8.0#

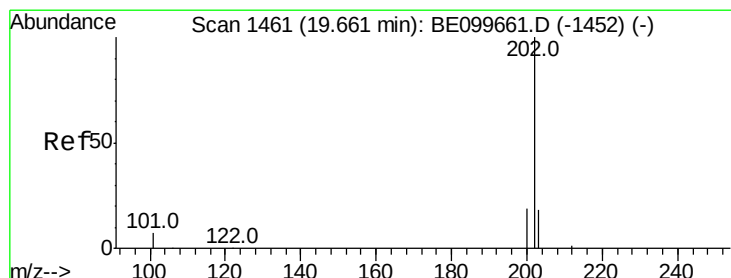
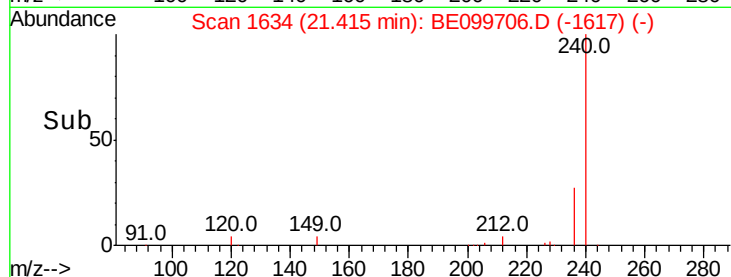
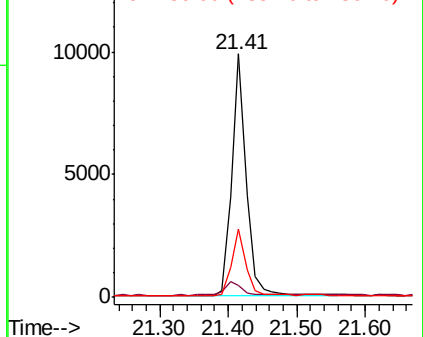
236 27.9 21.7 32.5



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

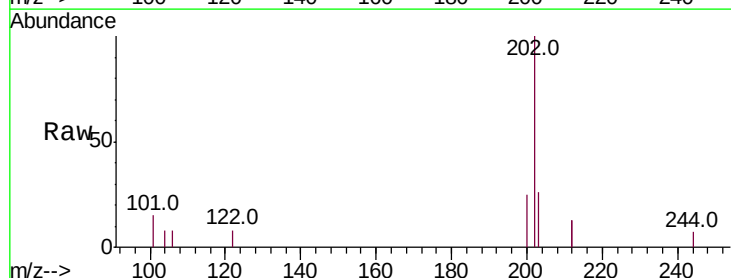
Tgt Ion:202 Resp: 1173

Ion Ratio Lower Upper

202 100

200 20.0 15.4 23.2

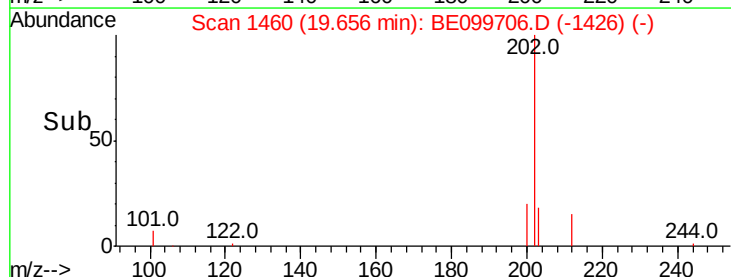
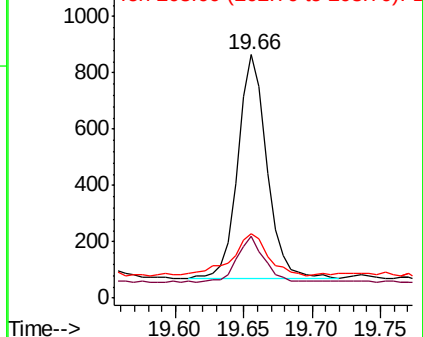
203 22.3 13.8 20.8#

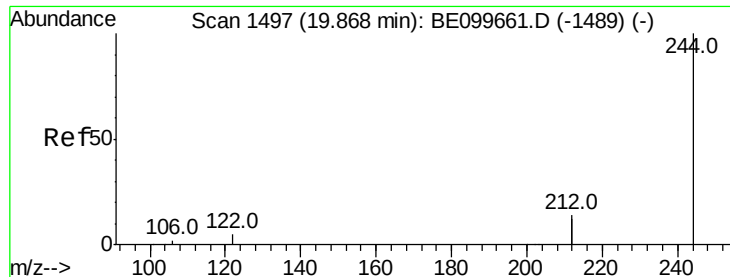


Abundance Ion 202.00 (201.70 to 202.70): E

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)

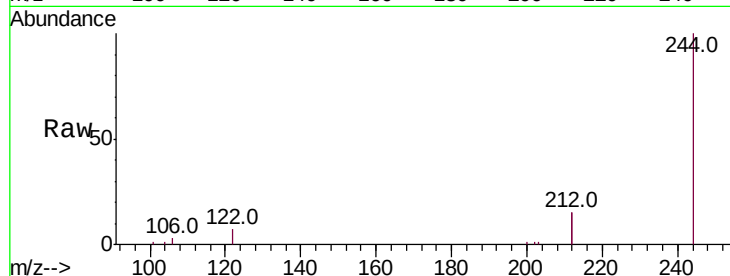
Tot Ion:244 Resp: 10367

Ion Ratio Lower Upper

244 100

212 30.4 22.5 33.7

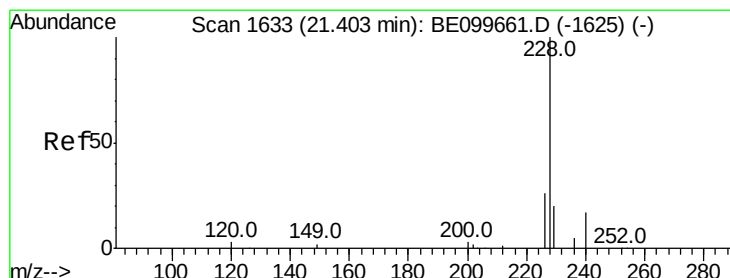
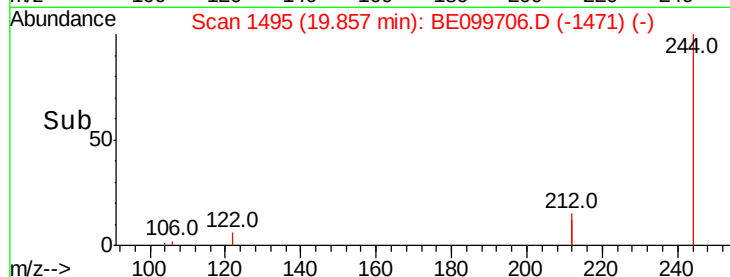
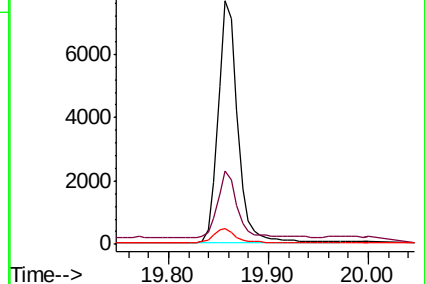
122 6.6 4.3 6.5#



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

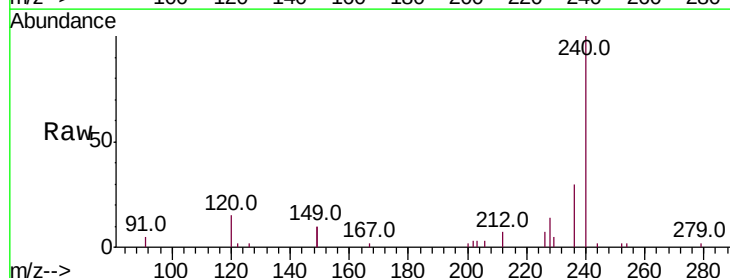
Tgt Ion:228 Resp: 913

Ion Ratio Lower Upper

228 100

226 47.4 21.3 31.9#

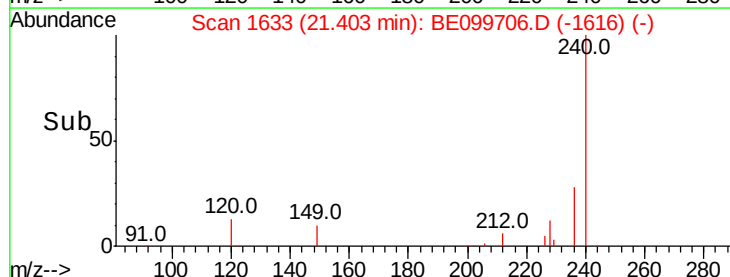
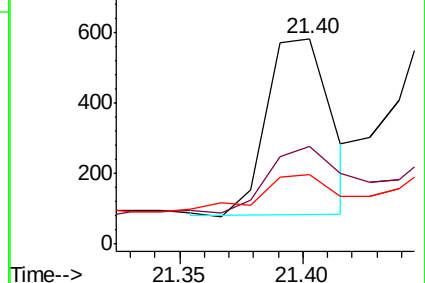
229 33.8 16.1 24.1#

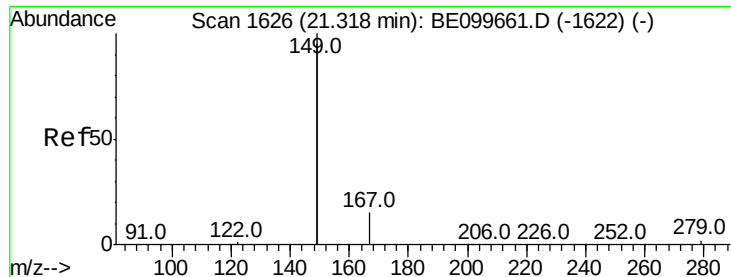


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#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

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

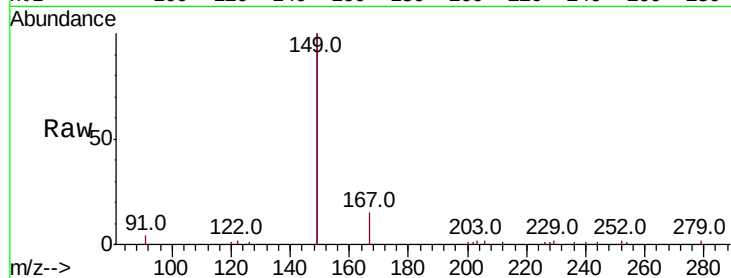
Tot Ion:149 Resp: 17337

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

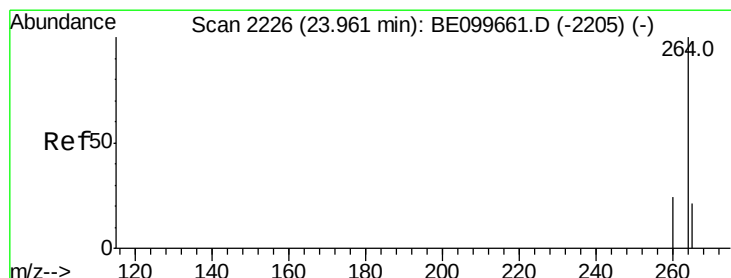
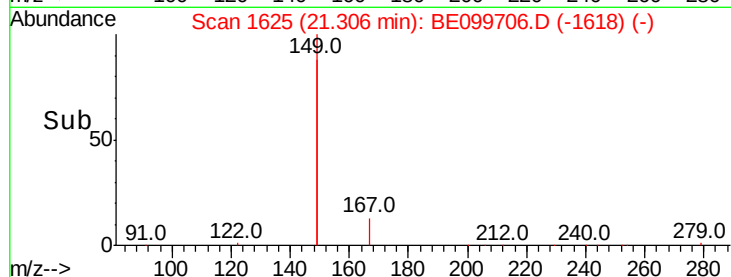
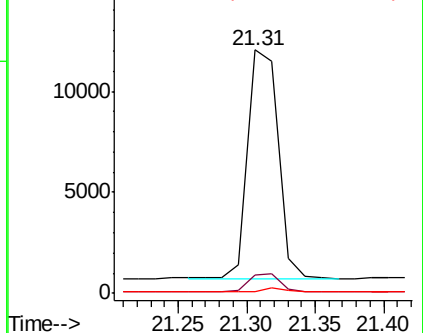
279 1.6 1.2 1.8



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



#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

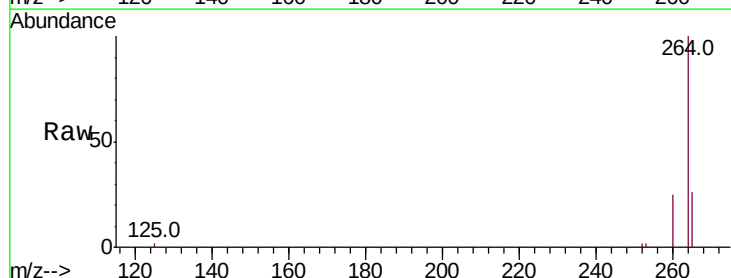
Tgt Ion:264 Resp: 17299

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

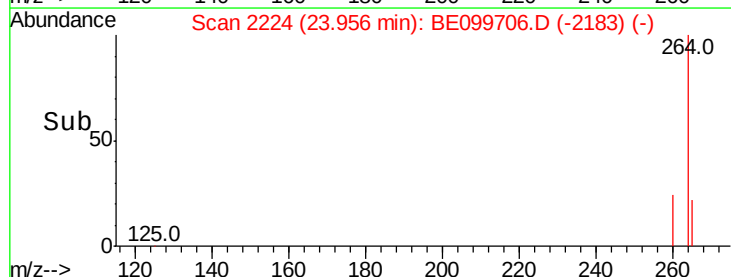
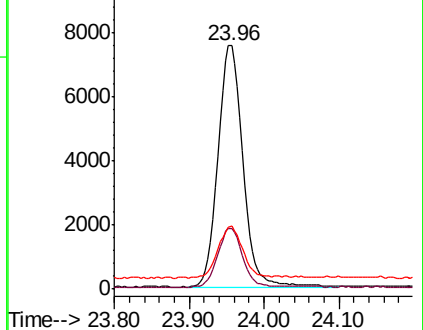
265 26.0 19.1 28.7

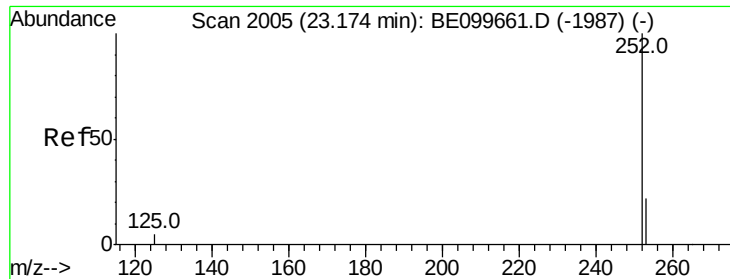


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

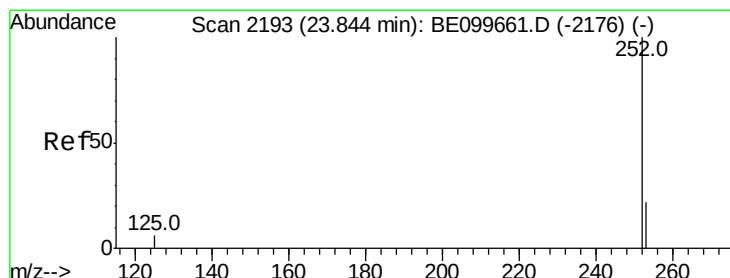
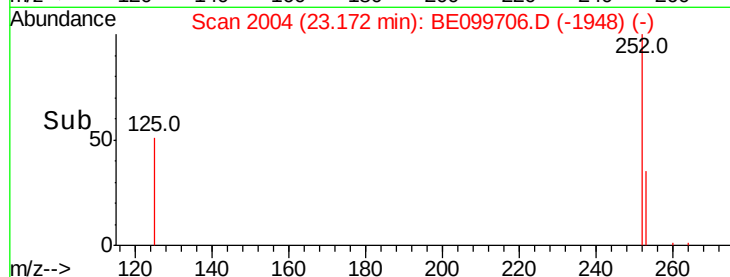
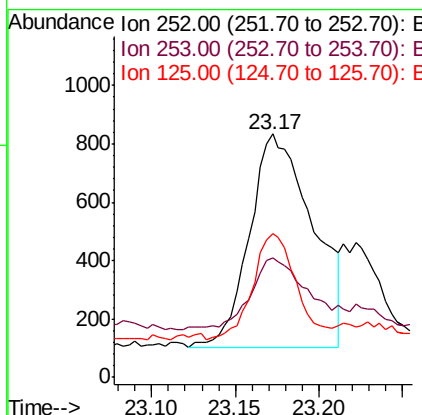
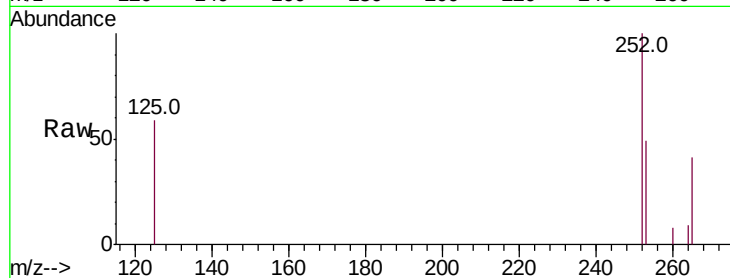




#35
Benzo(b)fluoranthene
Concen: 0.041 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099706.D
Acq: 22 May 2019 1:23

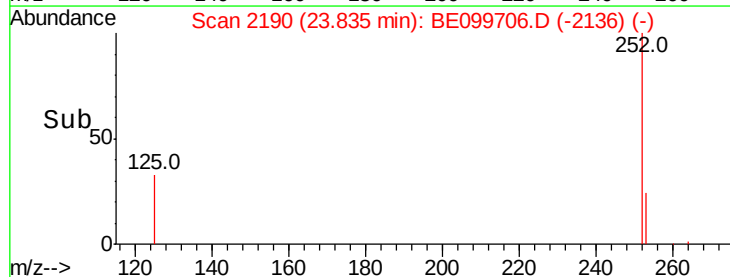
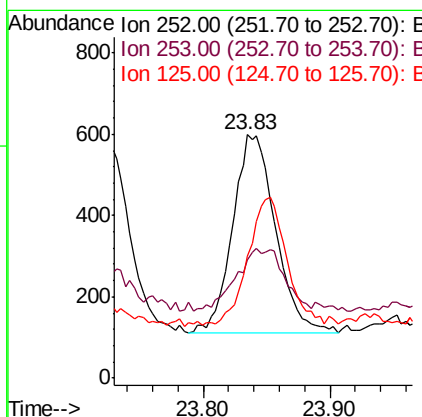
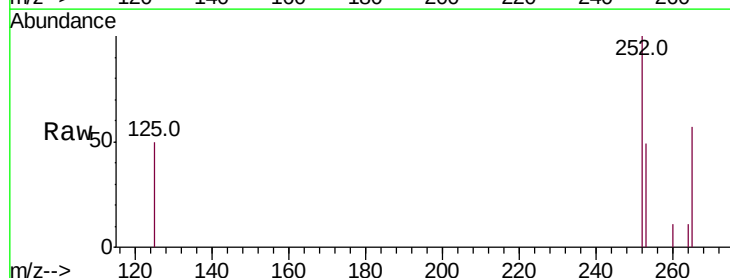
Instrument :
BNA_E
ClientSampleId :
FESB-11(7-7.5)

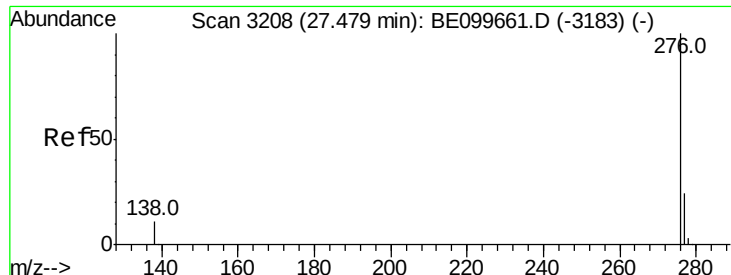
Tot Ion:252 Resp: 1920
Ion Ratio Lower Upper
252 100
253 48.9 18.2 27.4#
125 59.0 4.5 6.7#



#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

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#





#39

Benzo(a,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

Instrument :

BNA_E

ClientSampleId :

FESB-11(7-7.5)

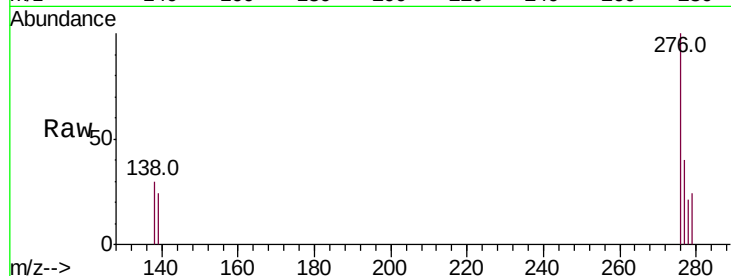
Tot Ion: 276 Resp: 1063

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

