

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099742.D
 Acq On : 24 May 2019 14:58
 Operator : JU/SJ
 Sample : K3010-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-22(1.5-2)

Quant Time: May 24 21:33:44 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	7.80	152	1266	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	4270	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3088	0.40	ng	-0.01
19) Phenanthrene-d10	17.22	188	9375	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	14996	0.40	ng	-0.01
34) Perylene-d12	23.94	264	17978	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1513	0.47	ng	0.00
5) Phenol-d6	6.96	99	2102	0.50	ng	-0.01
8) Nitrobenzene-d5	8.97	82	1549	0.42	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2737	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	892	0.51	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4048	0.35	ng	0.00
25) Fluoranthene-d10	19.25	212	47336	0.37	ng	-0.01
29) Terphenyl-d14	19.85	244	9322	0.35	ng	-0.02

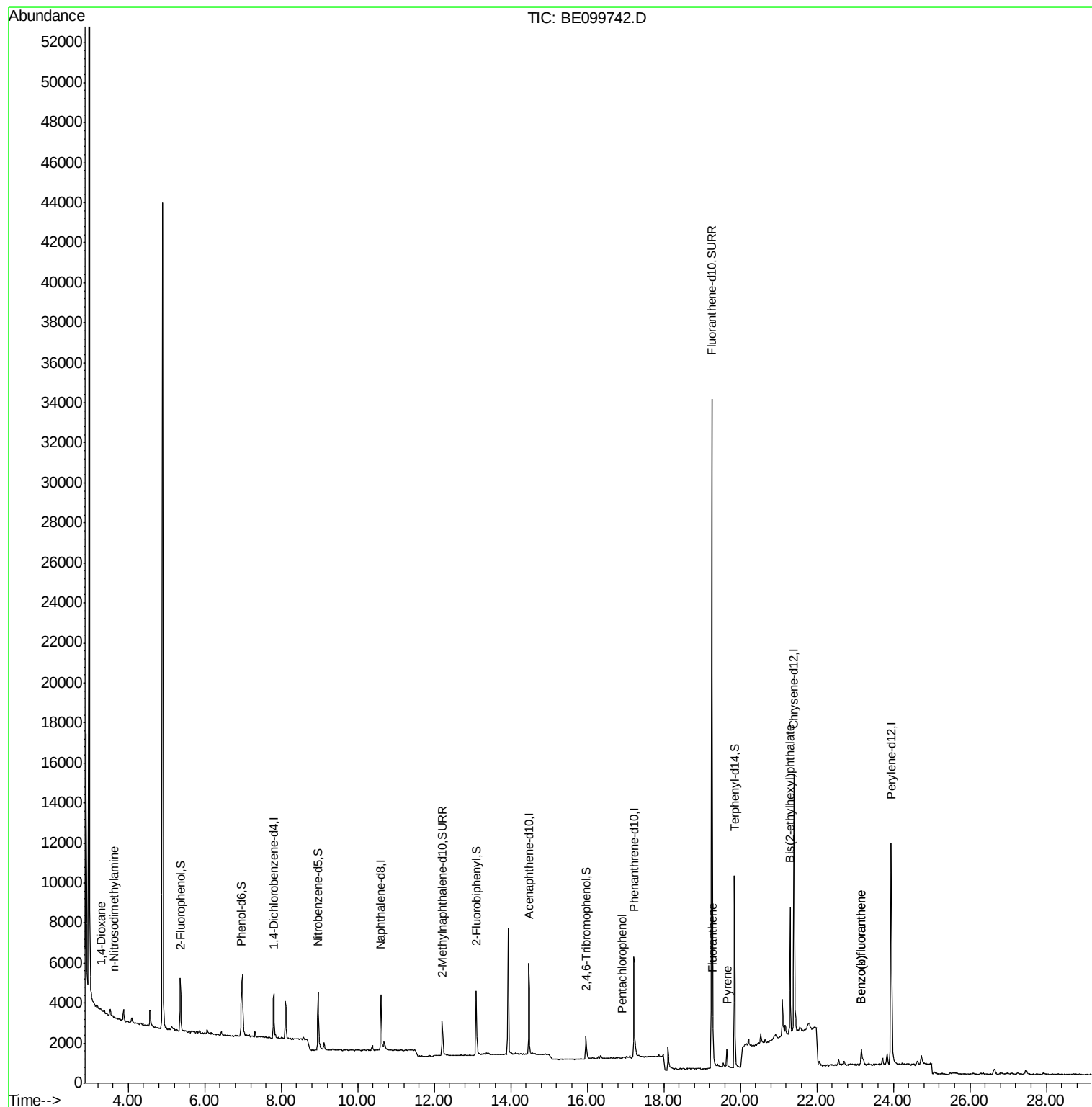
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	79	0.042	ng	# 34
3) n-Nitrosodimethylamine	3.62	42	21	0.020	ng	# 1
22) Pentachlorophenol	16.92	266	7	0.185	ng	# 78
26) Fluoranthene	19.29	202	847	0.023	ng	# 91
28) Pyrene	19.65	202	905	0.024	ng	94
32) Bis(2-ethylhexyl)phthalate	21.31	149	6881	0.140	ng	100
35) Benzo(b)fluoranthene	23.16	252	1054	0.021	ng	# 6
36) Benzo(k)fluoranthene	23.16	252	1054	0.021	ng	# 4

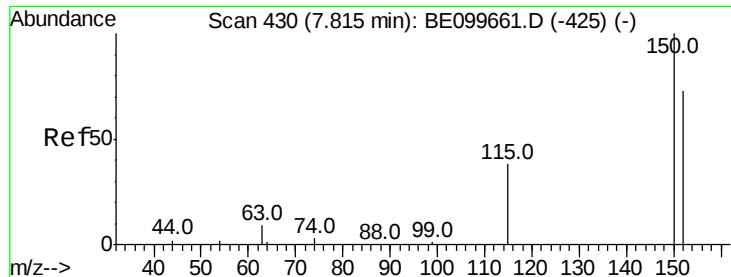
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

FESB-22(1.5-2)

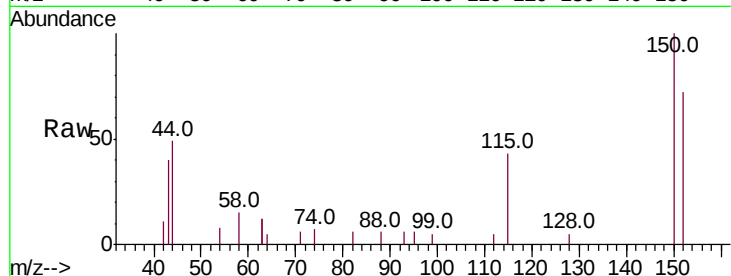
Tot Ion:152 Resp: 1266

Ion Ratio Lower Upper

152 100

150 139.3 109.2 163.8

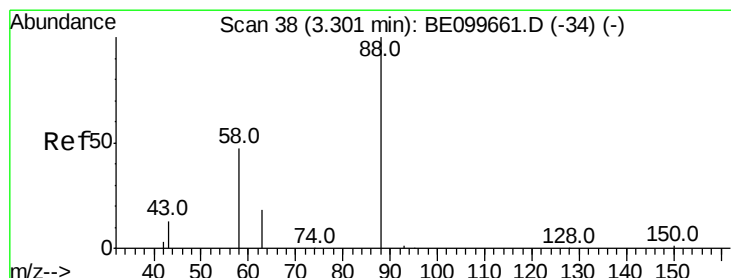
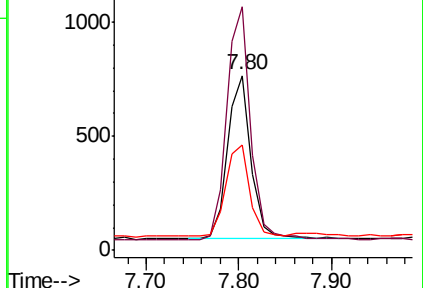
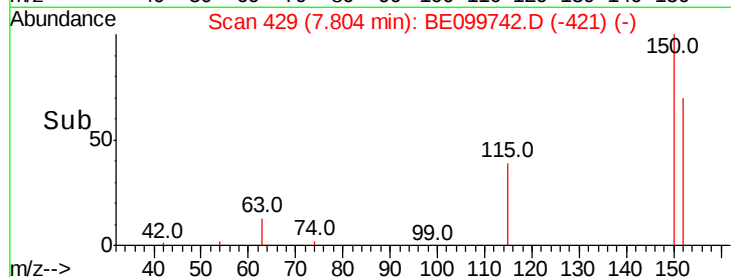
115 60.1 43.7 65.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.042 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

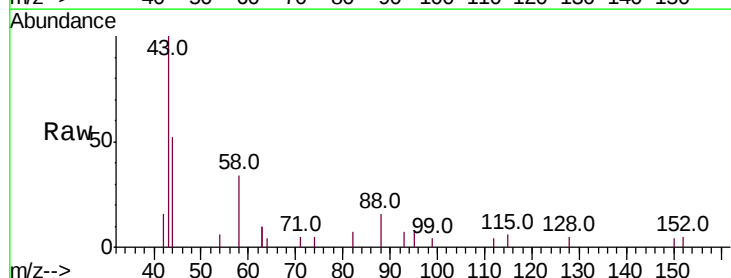
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

58 0.0 41.8 62.8#

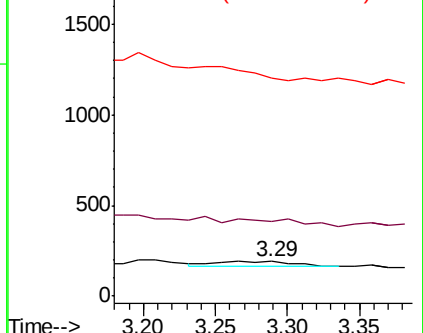
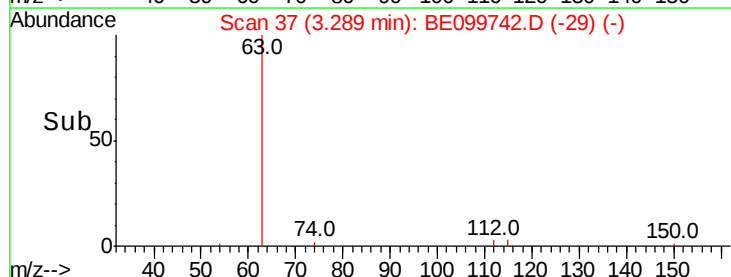
43 0.0 15.0 22.4#

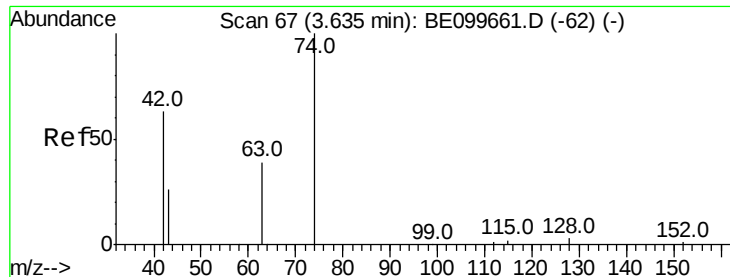


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.020 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

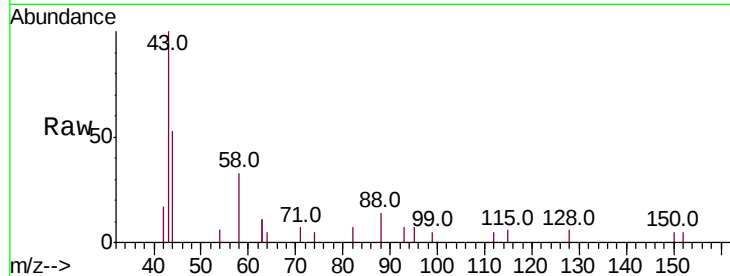
Instrument :

BNA_E

ClientSampleId :

FESB-22(1.5-2)

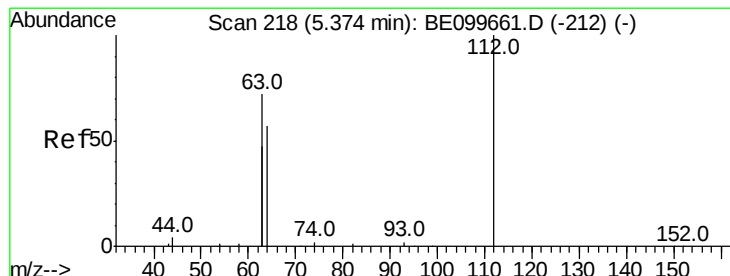
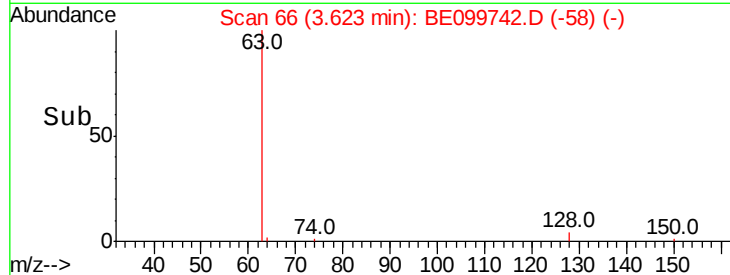
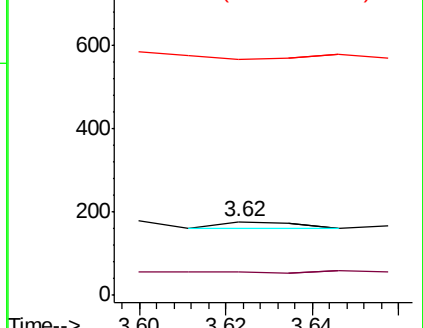
Tot Ion:	42	Resp:	21
Ion	Ratio	Lower	Upper
42	100		
74	0.0	129.2	193.8#
44	0.0	0.0	0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.473 ng

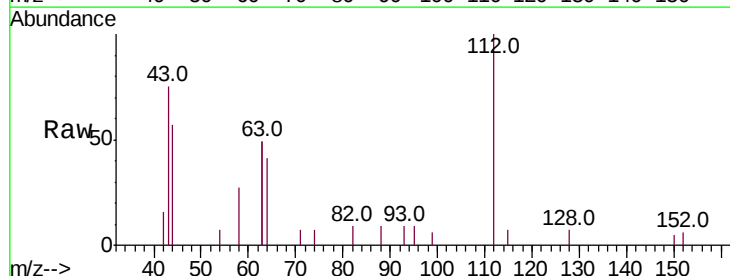
RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

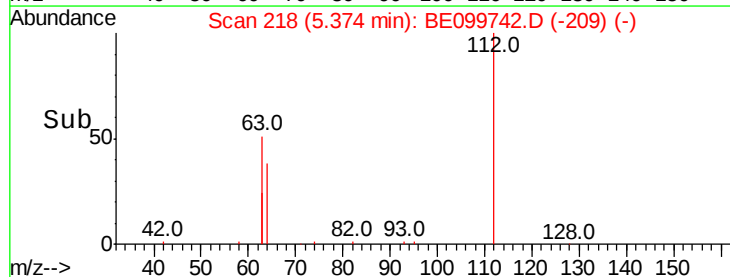
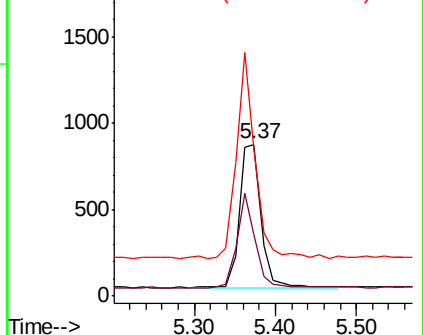
Tgt Ion:	112	Resp:	1513
Ion	Ratio	Lower	Upper
112	100		
64	56.2	43.4	65.2
63	126.3	96.9	145.3

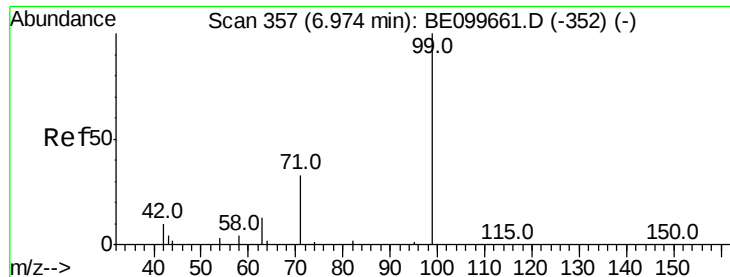


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.496 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

FESB-22(1.5-2)

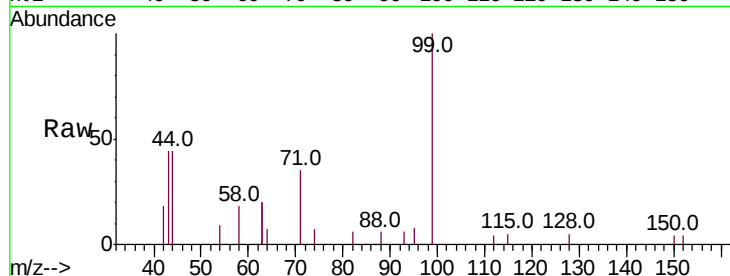
Tot Ion: 99 Resp: 2102

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

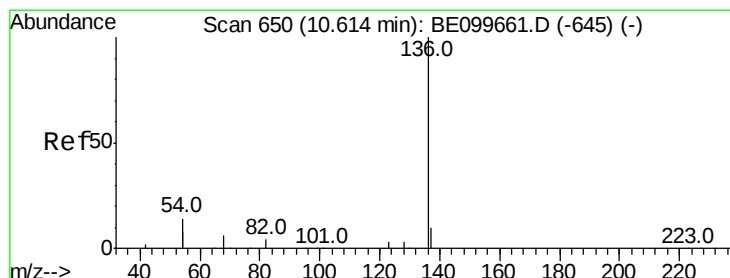
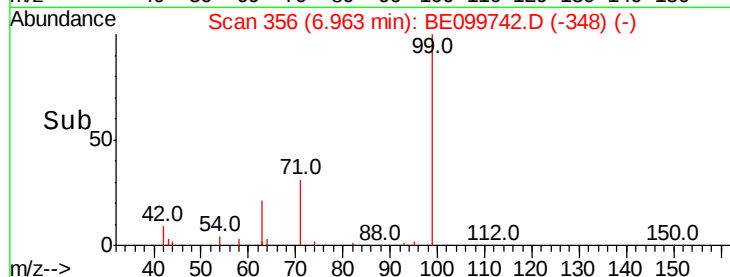
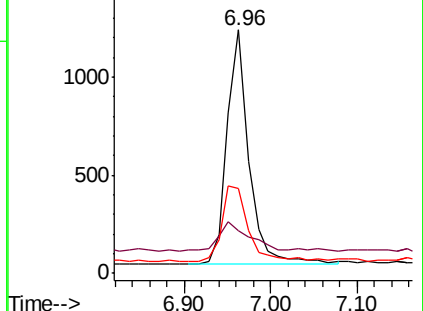
71 41.9 28.9 43.3



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: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

Tgt Ion: 136 Resp: 4270

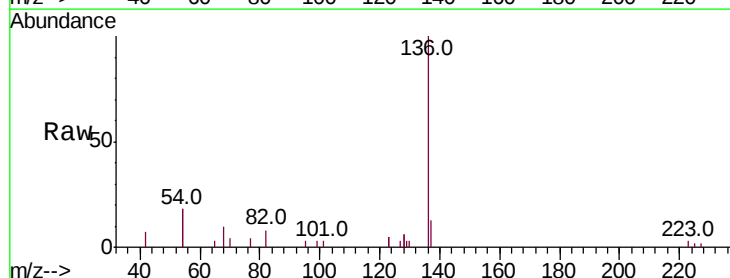
Ion Ratio Lower Upper

136 100

137 13.0 9.0 13.6

54 36.1 22.3 33.5#

68 10.0 6.0 9.0#

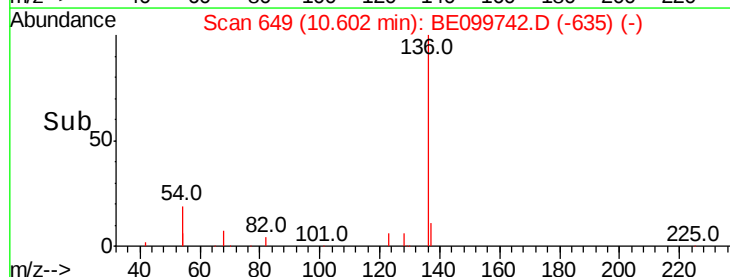
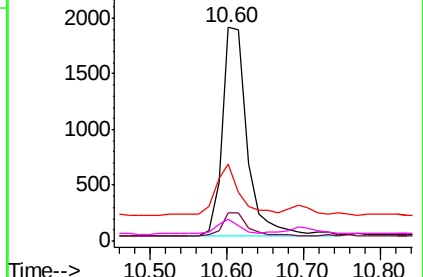


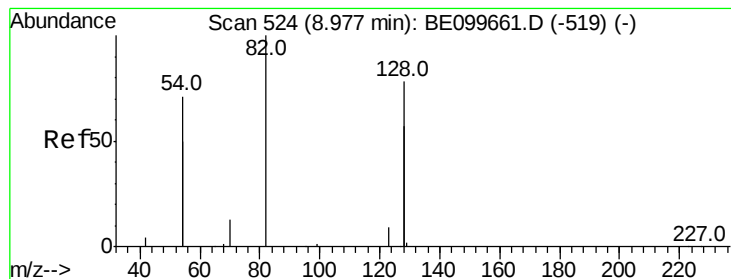
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.419 ng

RT: 8.97 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

Instrument :

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ClientSampleId :

FESB-22(1.5-2)

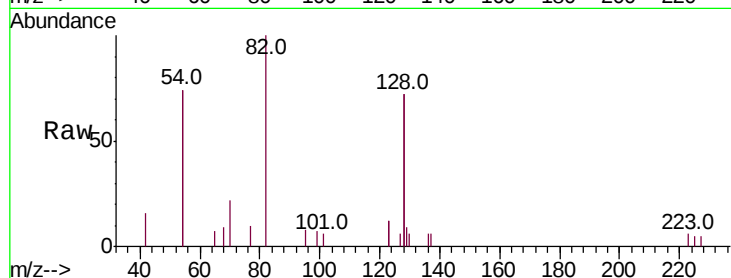
Tot Ion: 82 Resp: 1549

Ion Ratio Lower Upper

82 100

128 143.1 117.7 176.5

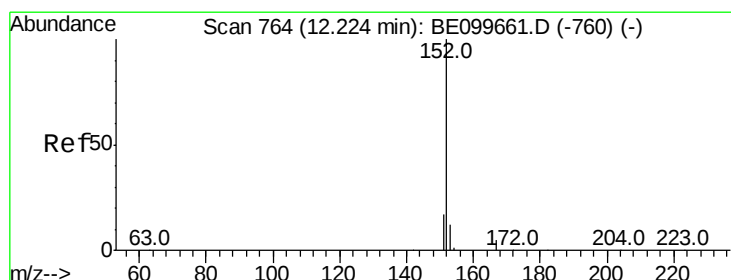
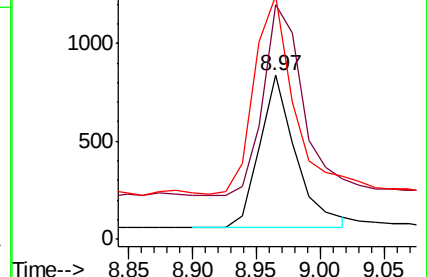
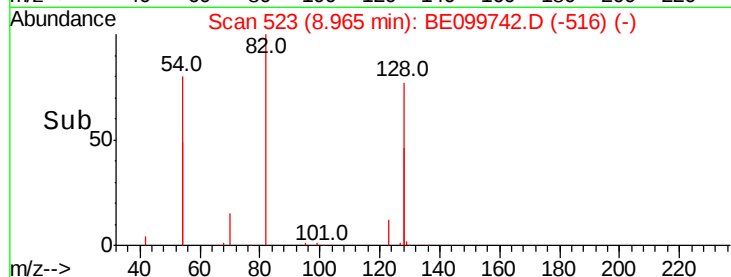
54 148.4 106.6 160.0



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: 0.371 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099742.D

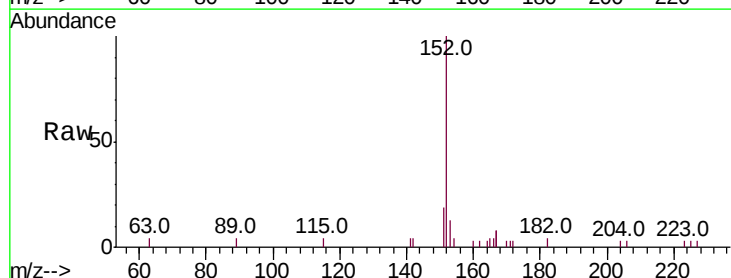
Acq: 24 May 2019 14:58

Tgt Ion: 152 Resp: 2737

Ion Ratio Lower Upper

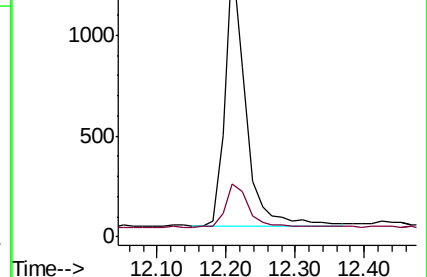
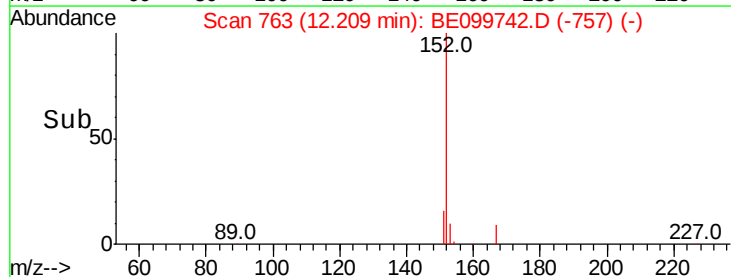
152 100

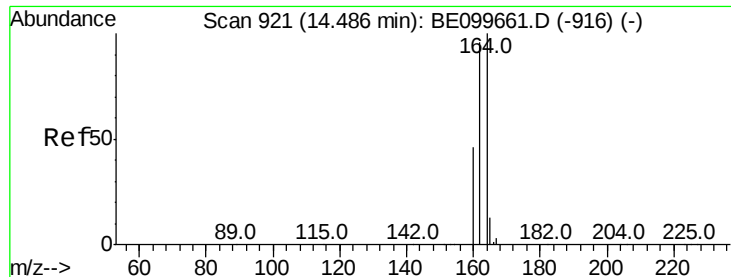
151 19.0 15.0 22.4



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: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

Instrument :

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ClientSampleId :

FESB-22(1.5-2)

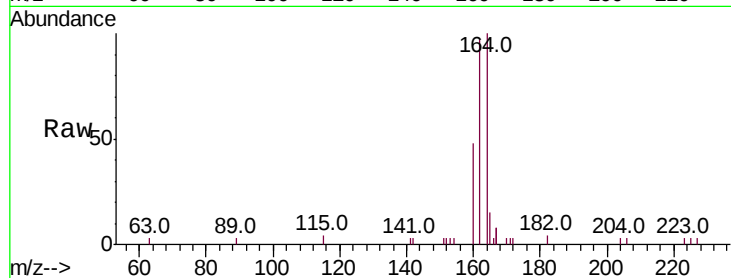
Tot Ion:164 Resp: 3088

Ion Ratio Lower Upper

164 100

162 96.7 76.5 114.7

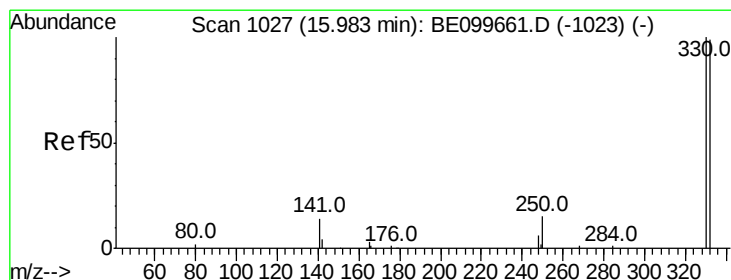
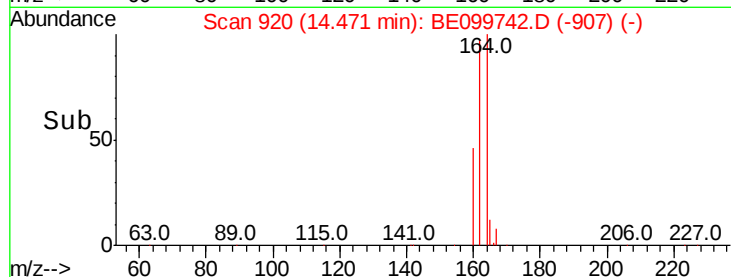
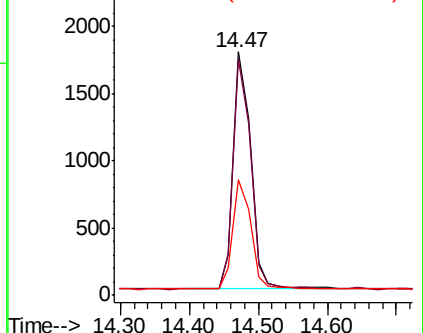
160 47.7 37.4 56.2



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: 0.505 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

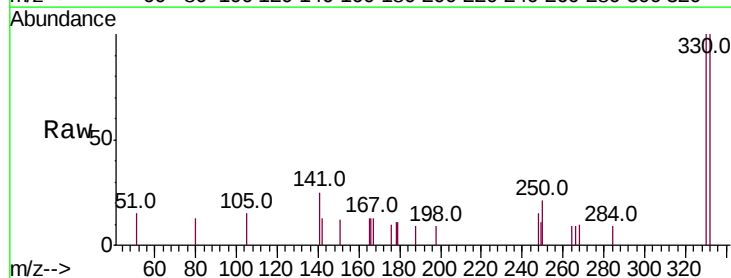
Tgt Ion:330 Resp: 892

Ion Ratio Lower Upper

330 100

332 94.7 77.3 115.9

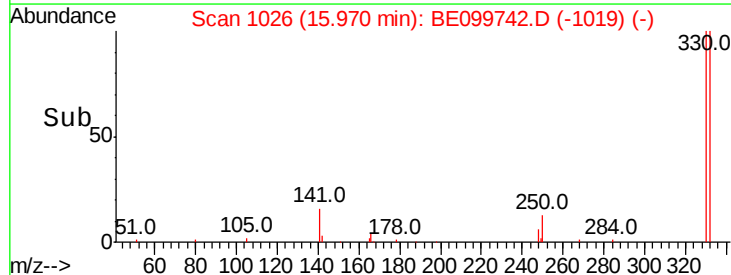
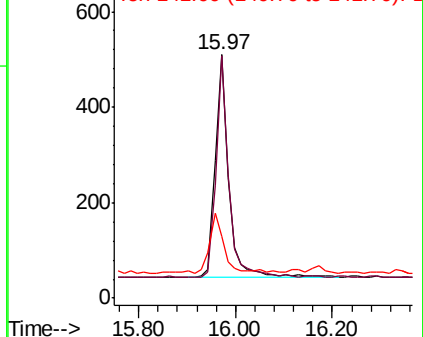
141 27.8 18.9 28.3

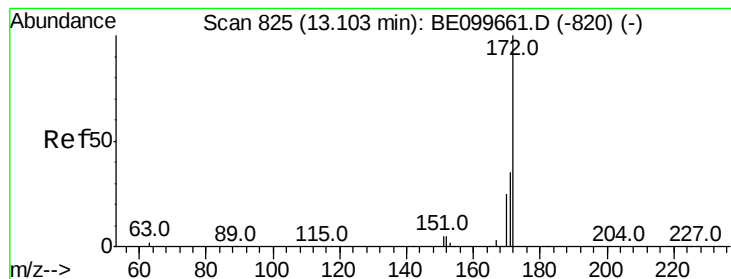


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.345 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

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FESB-22(1.5-2)

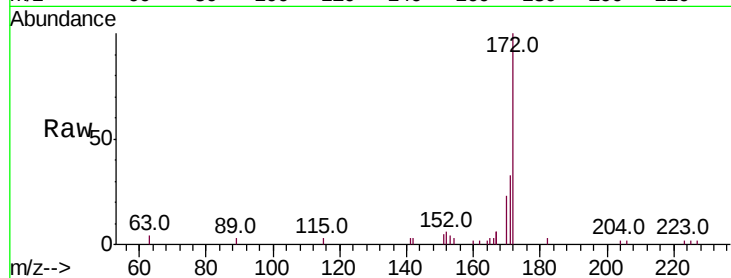
Tot Ion:172 Resp: 4048

Ion Ratio Lower Upper

172 100

171 32.8 28.7 43.1

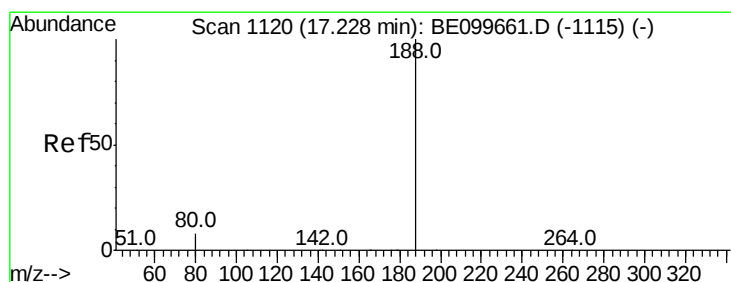
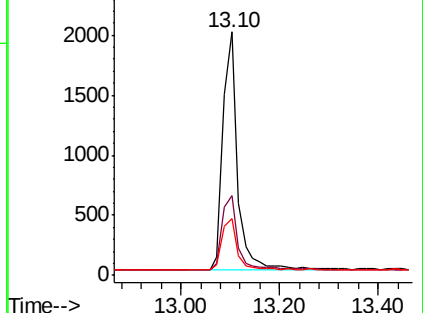
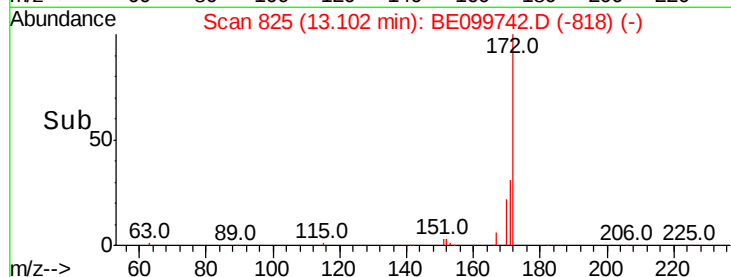
170 23.4 20.9 31.3



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: 17.22 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

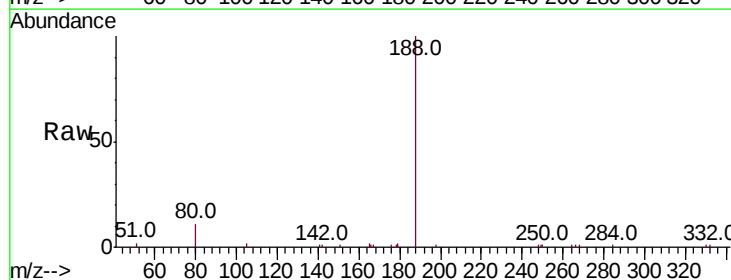
Tgt Ion:188 Resp: 9375

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

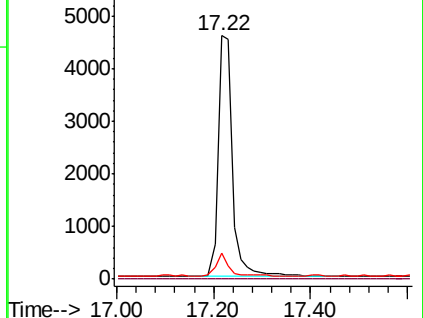
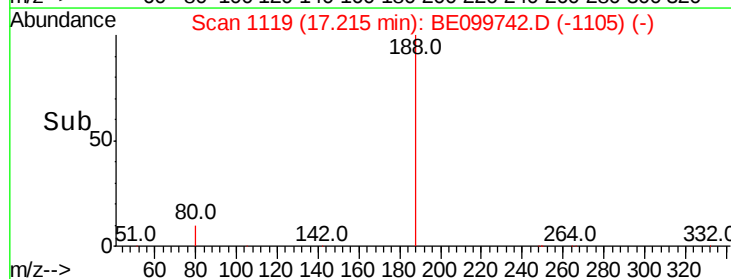
80 10.9 6.7 10.1#

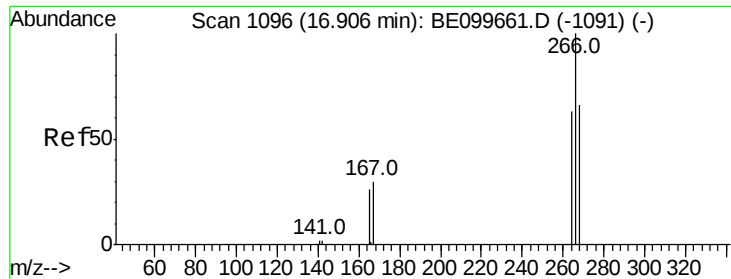


Abundance Ion 188.00 (187.70 to 188.70): E

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: 16.92 min Scan# 1097

Delta R.T. 0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

FESB-22(1.5-2)

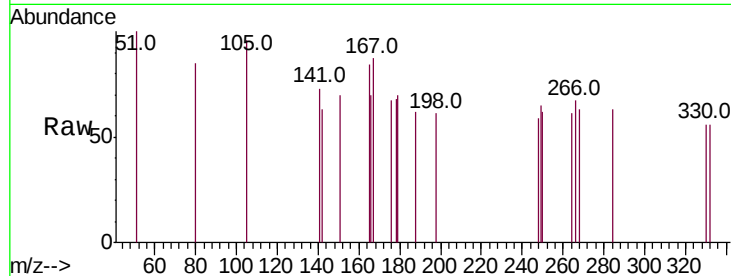
Tot Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

264 90.6 57.2 85.8#

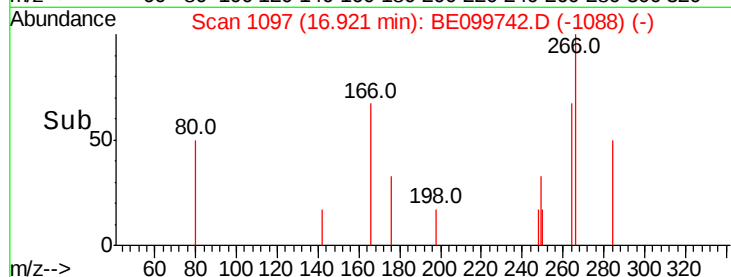
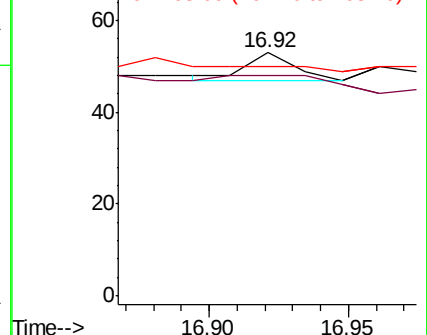
268 94.3 60.5 90.7#



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: 0.370 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

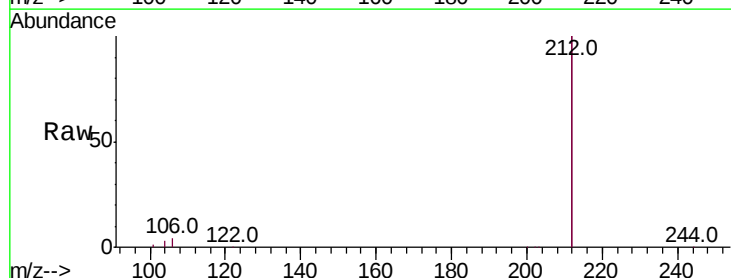
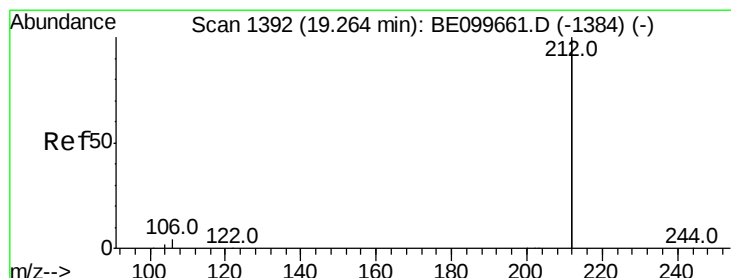
Tgt Ion:212 Resp: 47336

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

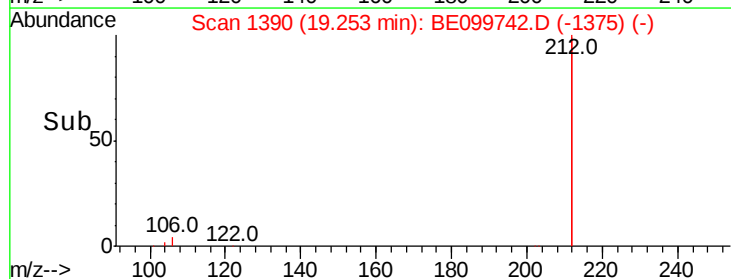
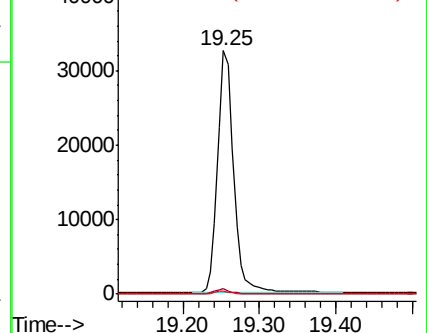
104 1.1 0.8 1.2

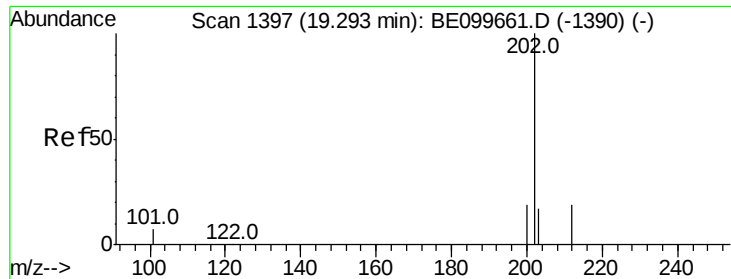


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

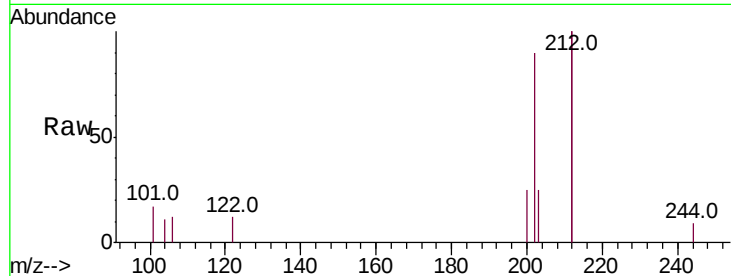




#26
 Fluoranthene
 Concen: 0.023 ng
 RT: 19.29 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BE099742.D
 Acq: 24 May 2019 14:58

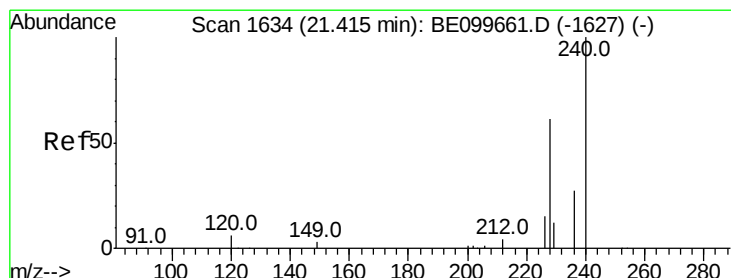
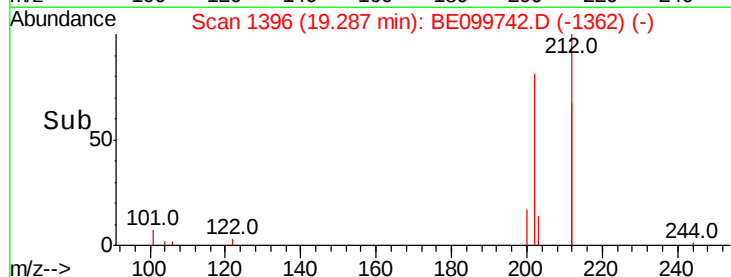
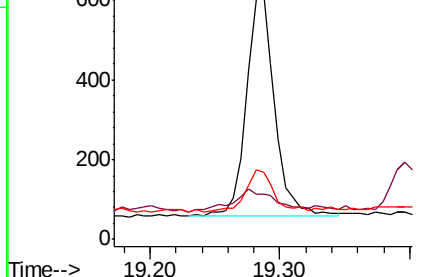
Instrument :
 BNA_E
 ClientSampleId :
 FESB-22(1.5-2)

Tot Ion:202 Resp: 847
 Ion Ratio Lower Upper
 202 100
 101 14.9 5.2 7.8#
 203 18.7 13.8 20.6



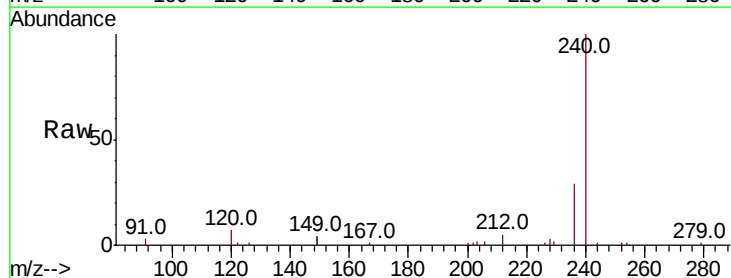
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

19.29



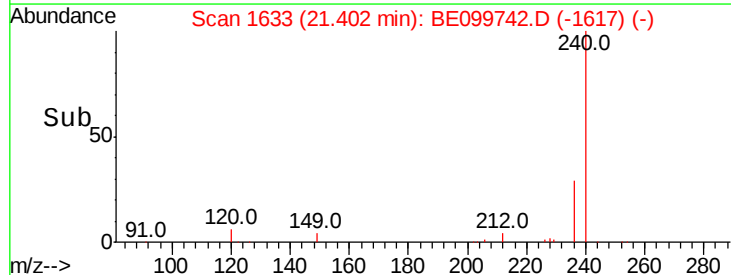
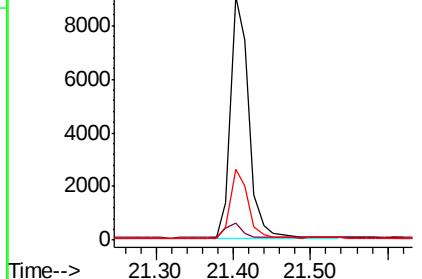
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: BE099742.D
 Acq: 24 May 2019 14:58

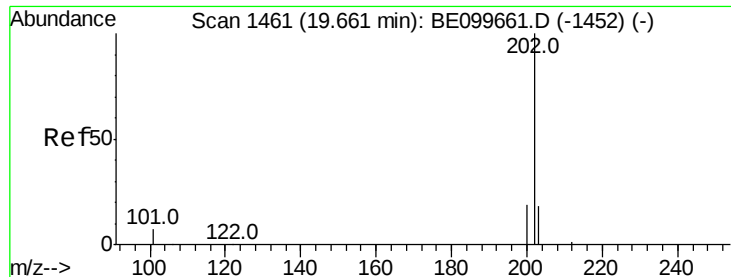
Tgt Ion:240 Resp: 14996
 Ion Ratio Lower Upper
 240 100
 120 6.9 5.4 8.0
 236 29.3 21.7 32.5



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

21.40





#28

Pvrene

Concen: 0.024 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

FESB-22(1.5-2)

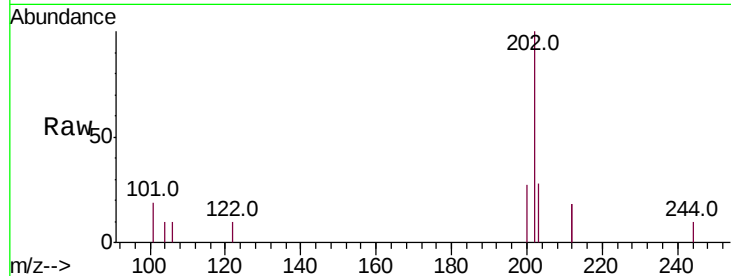
Tot Ion:202 Resp: 905

Ion Ratio Lower Upper

202 100

200 22.1 15.4 23.2

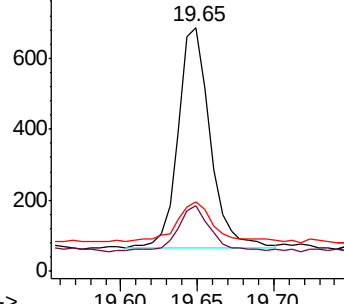
203 20.1 13.8 20.8



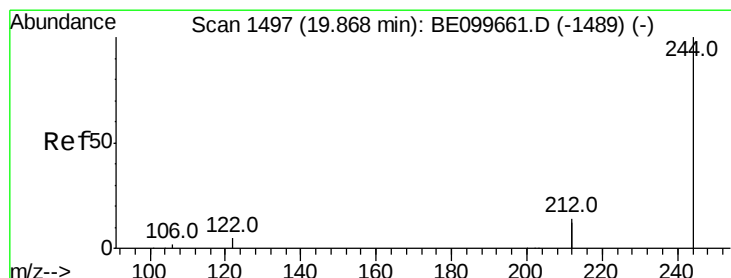
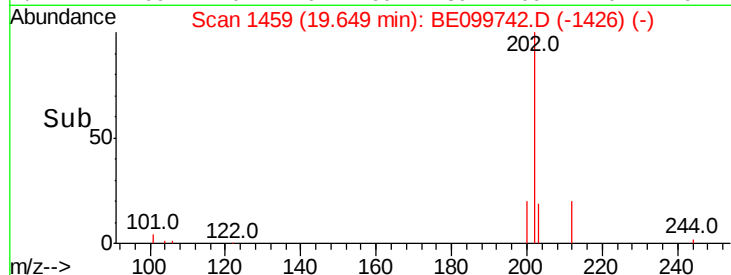
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#29

Terphenyl-d14

Concen: 0.348 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

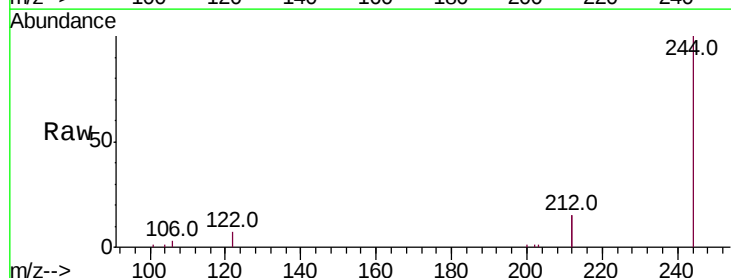
Tgt Ion:244 Resp: 9322

Ion Ratio Lower Upper

244 100

212 31.0 22.5 33.7

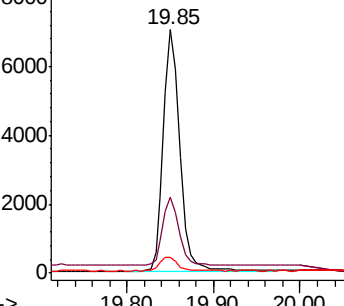
122 6.7 4.3 6.5#



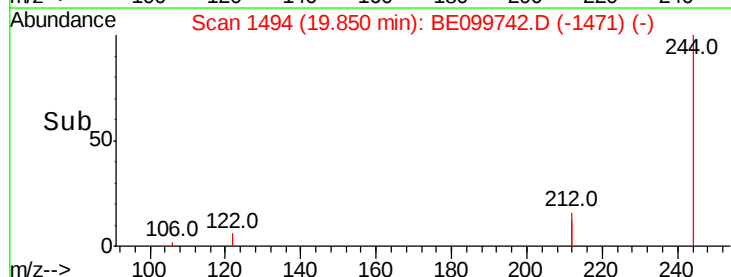
Abundance Ion 244.00 (243.70 to 244.70): E

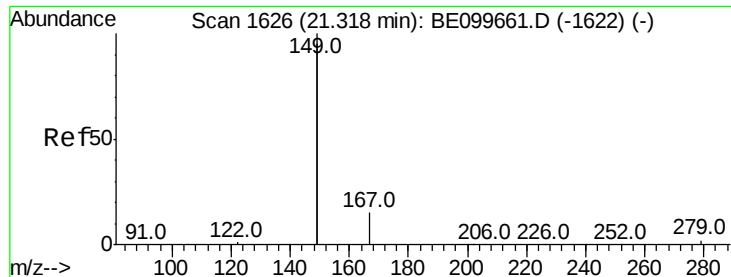
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.140 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

FESB-22(1.5-2)

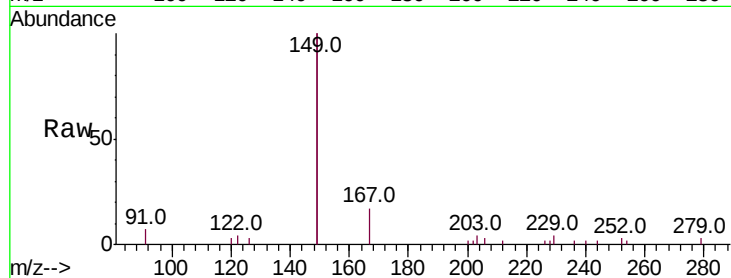
Tot Ion:149 Resp: 6881

Ion Ratio Lower Upper

149 100

167 7.9 6.2 9.4

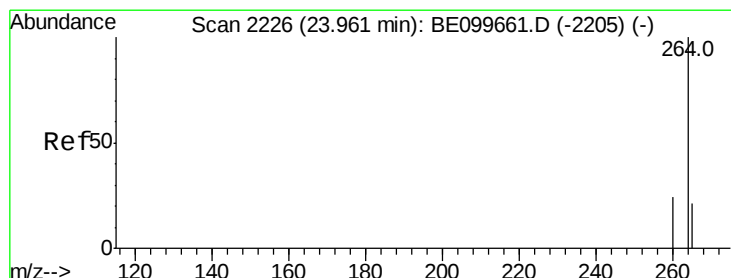
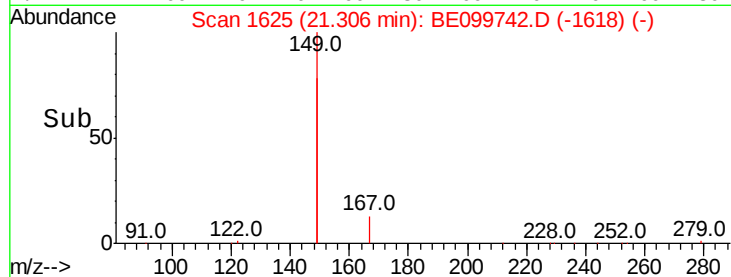
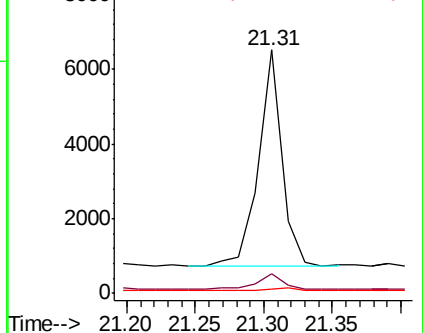
279 1.5 1.2 1.8



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: 23.94 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BE099742.D

Acq: 24 May 2019 14:58

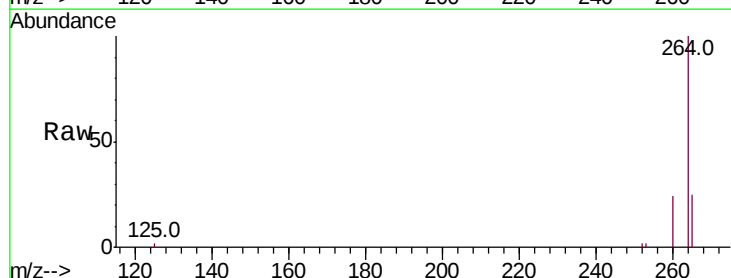
Tgt Ion:264 Resp: 17978

Ion Ratio Lower Upper

264 100

260 24.4 19.6 29.4

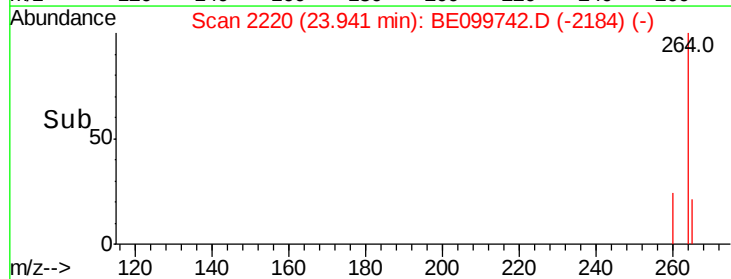
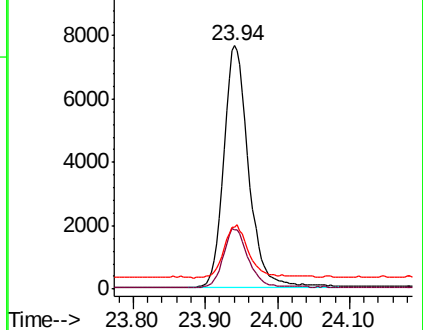
265 25.3 19.1 28.7

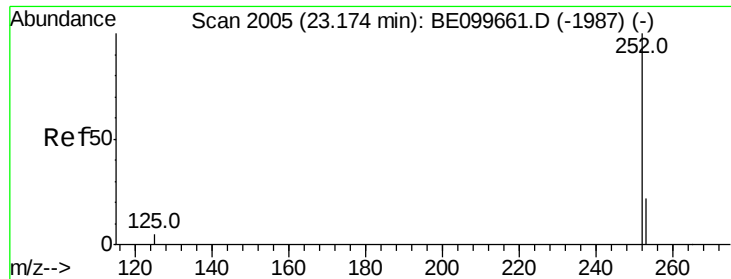


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

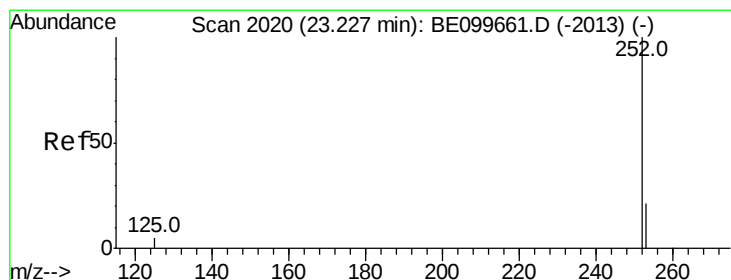
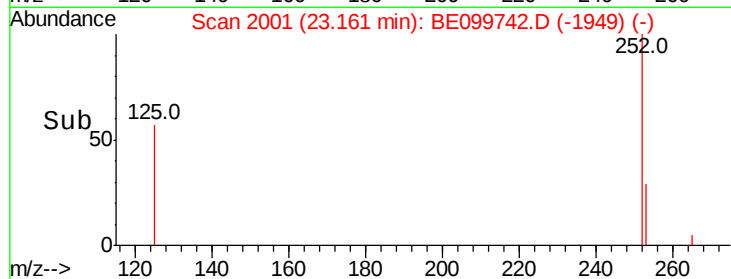
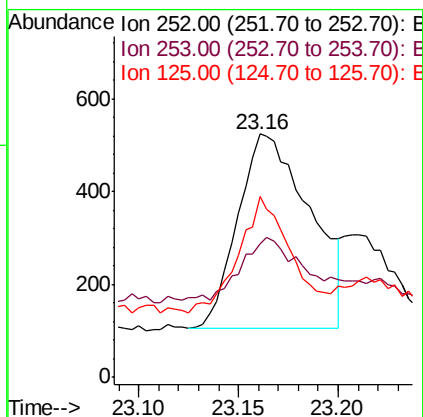
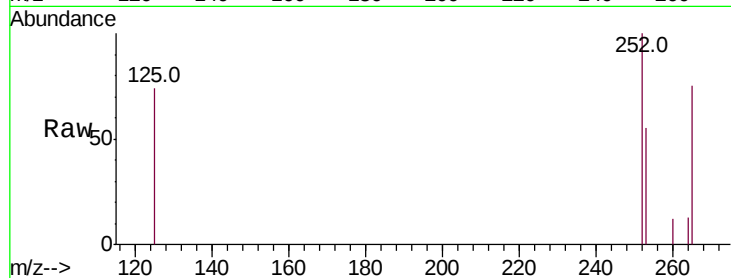




#35
Benzo(b)fluoranthene
Concen: 0.021 ng
RT: 23.16 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BE099742.D
Acq: 24 May 2019 14:58

Instrument :
BNA_E
ClientSampleId :
FESB-22(1.5-2)

Tot Ion:252 Resp: 1054
Ion Ratio Lower Upper
252 100
253 54.9 18.2 27.4#
125 74.3 4.5 6.7#



#36
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 23.16 min Scan# 2001
Delta R.T. -0.07 min
Lab File: BE099742.D
Acq: 24 May 2019 14:58

Tgt Ion:252 Resp: 1054
Ion Ratio Lower Upper
252 100
253 54.9 17.8 26.8#
125 74.3 4.6 6.8#

