

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052819\
 Data File : BE099763.D
 Acq On : 28 May 2019 18:55
 Operator : JU/SJ
 Sample : K3037-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 29 04:10:40 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	1240	0.40	ng	-0.02
7) Naphthalene-d8	10.60	136	4614	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3544	0.40	ng	-0.01
19) Phenanthrene-d10	17.22	188	11271	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	15420	0.40	ng	-0.01
34) Perylene-d12	23.94	264	17870	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	648	0.21	ng	0.00
5) Phenol-d6	6.97	99	517	0.12	ng	0.00
8) Nitrobenzene-d5	8.96	82	1693	0.42	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2899	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1226	0.58	ng	-0.03
15) 2-Fluorobiphenyl	13.09	172	7218	0.54	ng	-0.01
25) Fluoranthene-d10	19.25	212	60757	0.39	ng	-0.01
29) Terphenyl-d14	19.85	244	35665	1.30	ng	-0.02

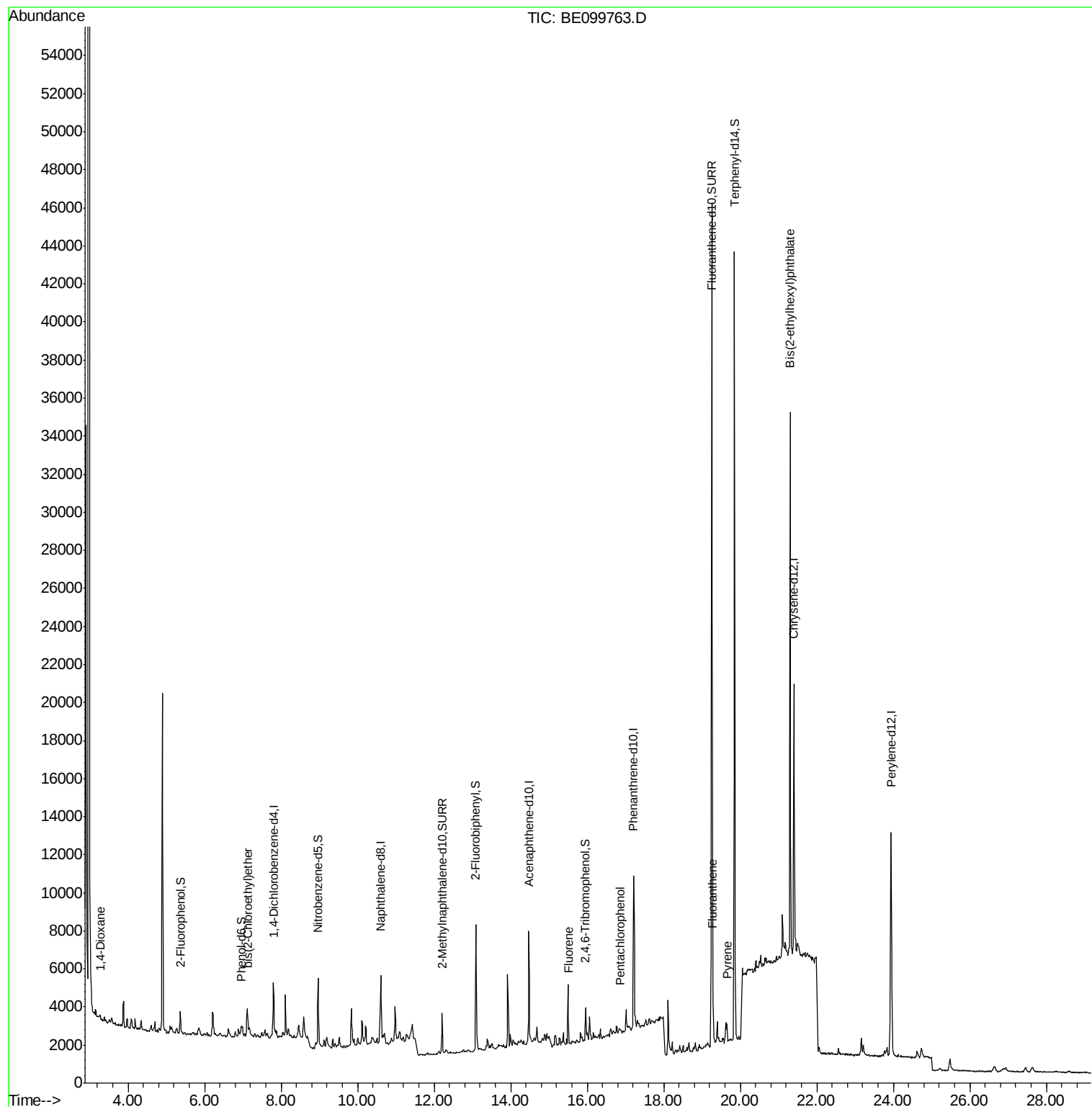
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	149	0.081	ng	# 1
6) bis(2-Chloroethyl)ether	7.13	93	1033	0.280	ng	# 1
18) Fluorene	15.51	166	289	0.021	ng	# 69
22) Pentachlorophenol	16.87	266	91	0.226	ng	100
26) Fluoranthene	19.28	202	1170	0.027	ng	# 76
28) Pyrene	19.65	202	995	0.026	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.31	149	30473	0.603	ng	99

(#) = 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# 428

Delta R.T. -0.02 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampled :

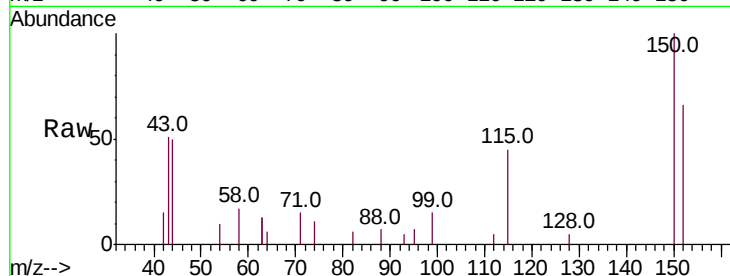
Tot Ion:152 Resp: 1240

Ion Ratio Lower Upper

152 100

150 152.4 109.2 163.8

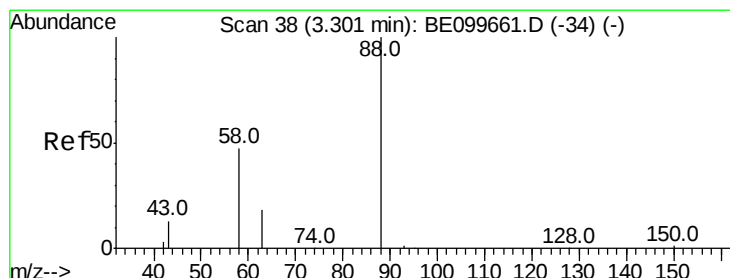
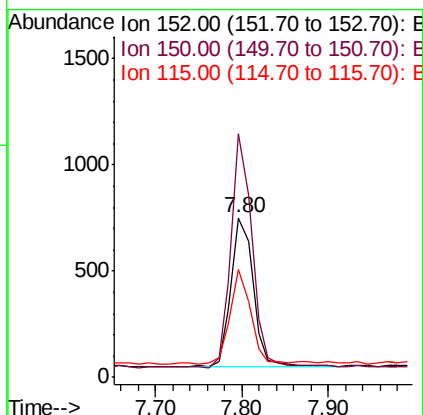
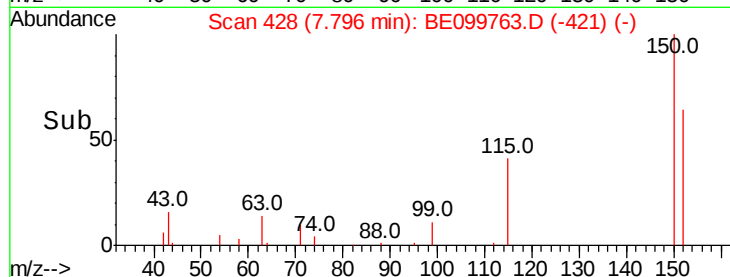
115 67.8 43.7 65.5#



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: 0.081 ng

RT: 3.27 min Scan# 35

Delta R.T. -0.03 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

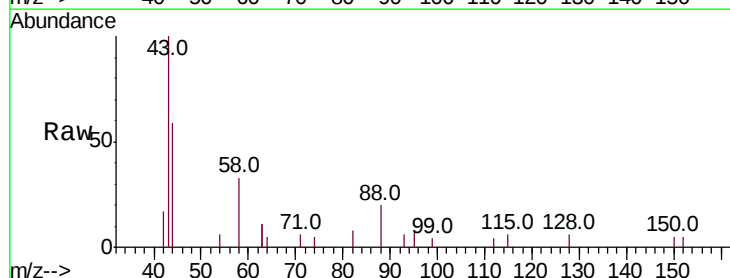
Tgt Ion: 88 Resp: 149

Ion Ratio Lower Upper

88 100

58 52.3 41.8 62.8

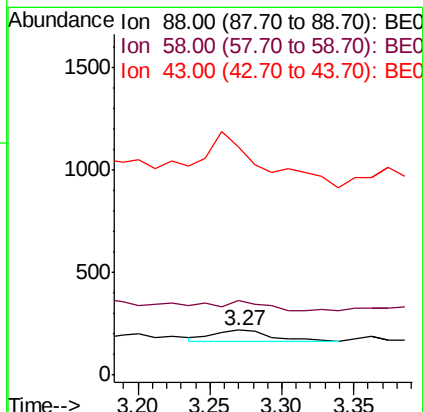
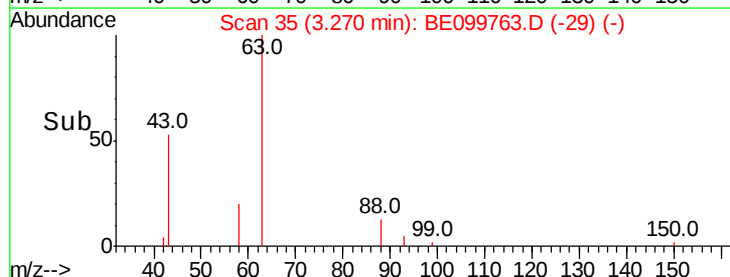
43 471.8 15.0 22.4#

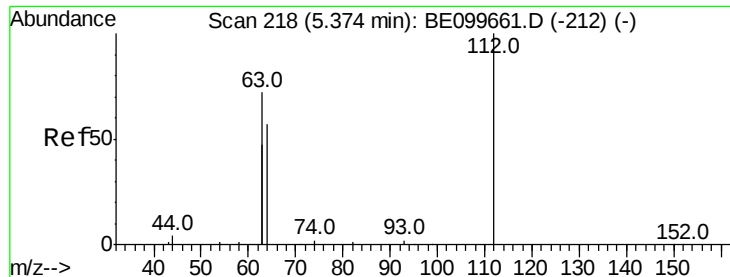


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.207 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampleId :

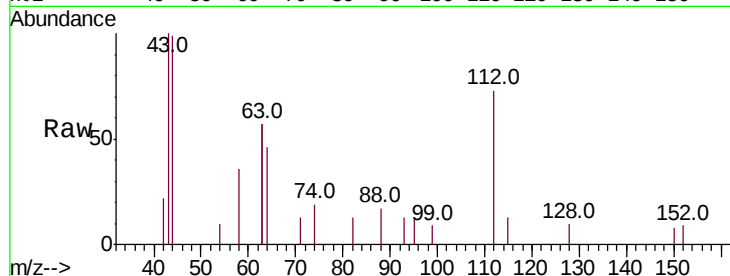
Tot Ion:112 Resp: 648

Ion Ratio Lower Upper

112 100

64 58.5 43.4 65.2

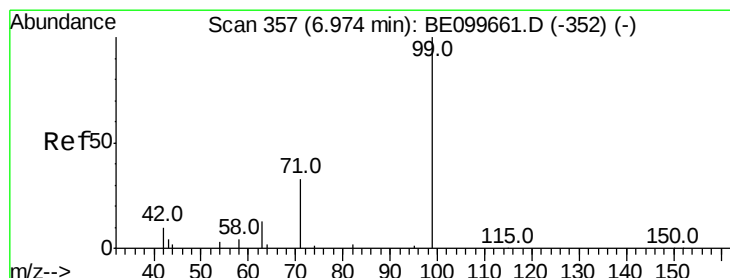
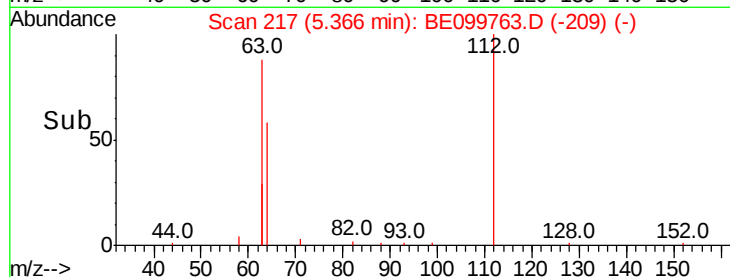
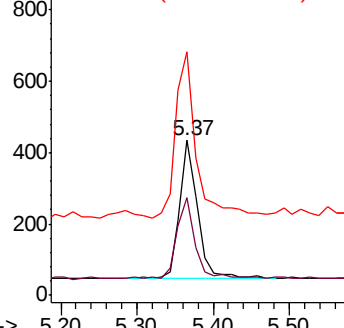
63 134.7 96.9 145.3



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: 0.125 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

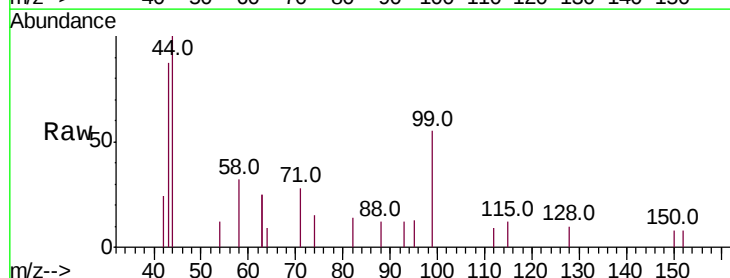
Tgt Ion: 99 Resp: 517

Ion Ratio Lower Upper

99 100

42 19.1 12.2 18.2#

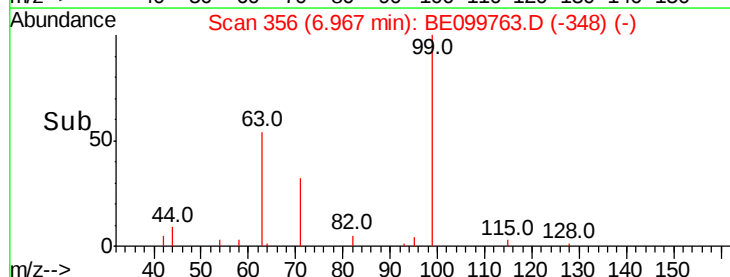
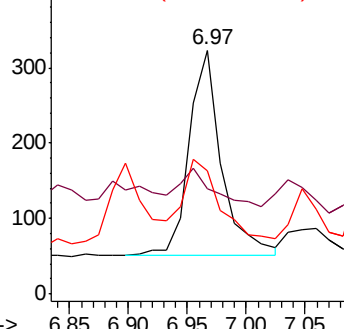
71 40.6 28.9 43.3

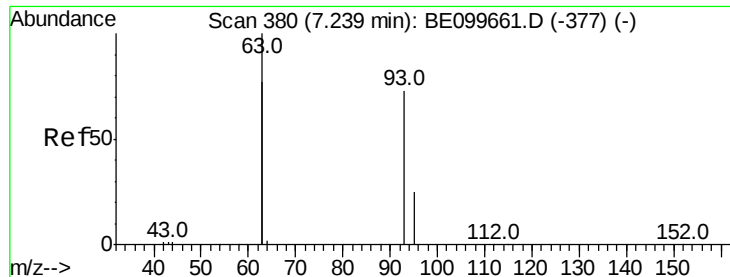


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.280 ng

RT: 7.13 min Scan# 370

Delta R.T. -0.11 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampleId :

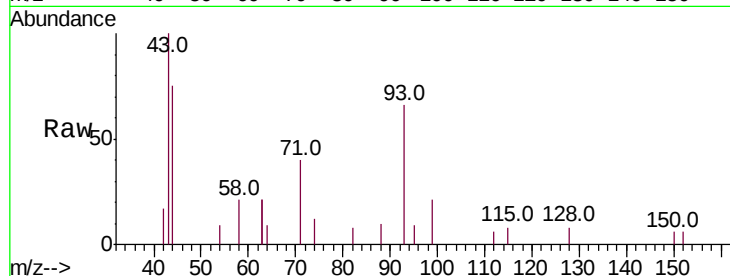
Tot Ion: 93 Resp: 1033

Ion Ratio Lower Upper

93 100

63 23.0 207.8 311.6#

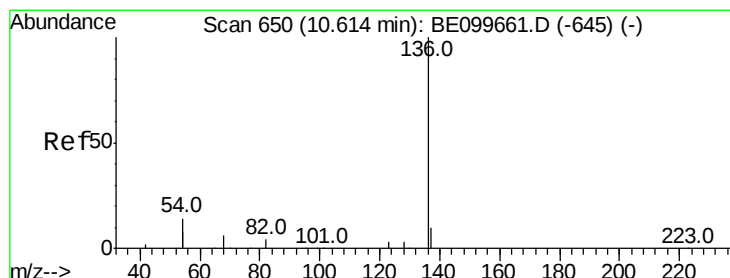
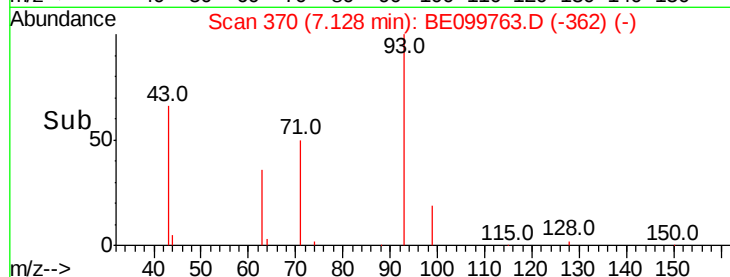
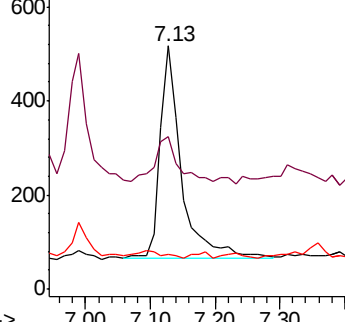
95 0.0 25.9 38.9#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Tgt Ion: 136 Resp: 4614

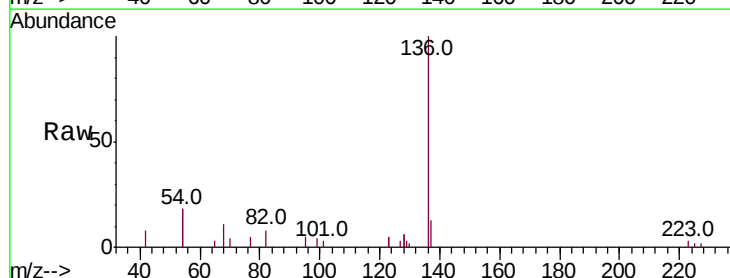
Ion Ratio Lower Upper

136 100

137 12.9 9.0 13.6

54 35.8 22.3 33.5#

68 10.8 6.0 9.0#

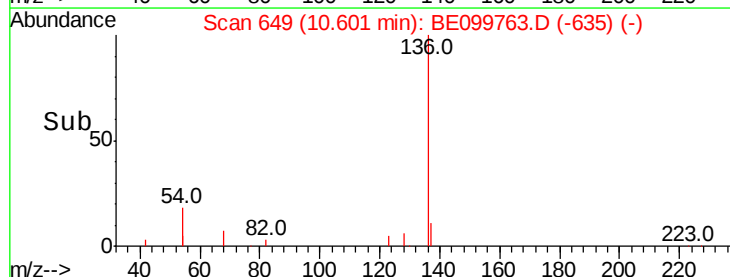
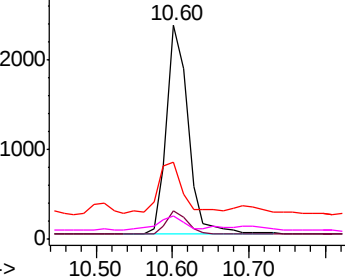


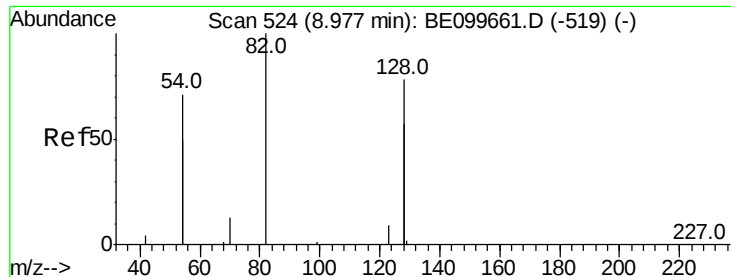
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.424 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampleId :

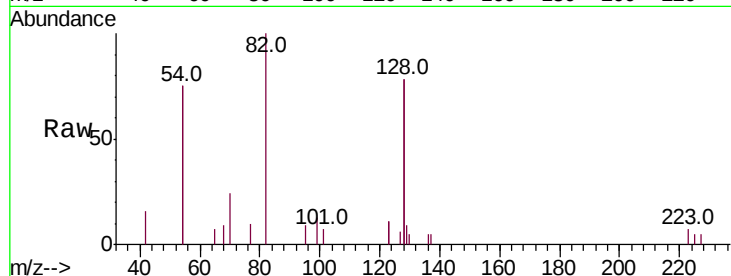
Tot Ion: 82 Resp: 1693

Ion Ratio Lower Upper

82 100

128 155.1 117.7 176.5

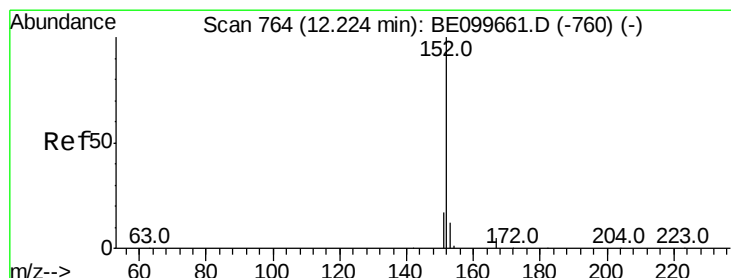
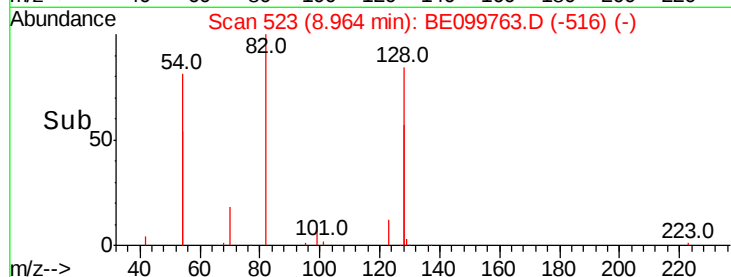
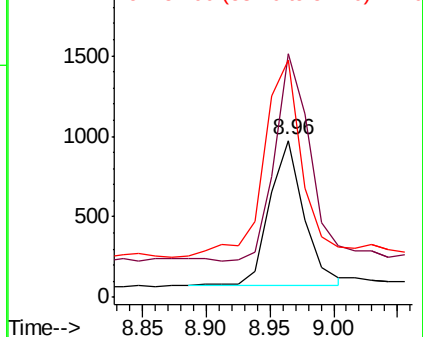
54 151.0 106.6 160.0



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: 0.364 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099763.D

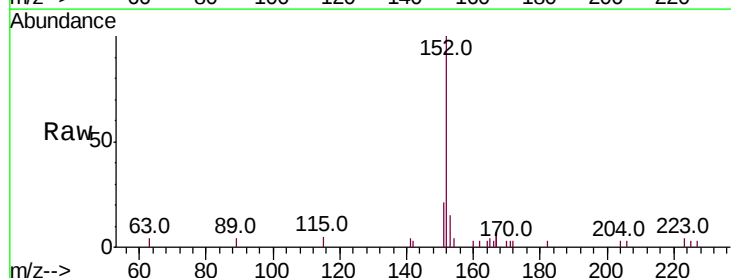
Acq: 28 May 2019 18:55

Tgt Ion: 152 Resp: 2899

Ion Ratio Lower Upper

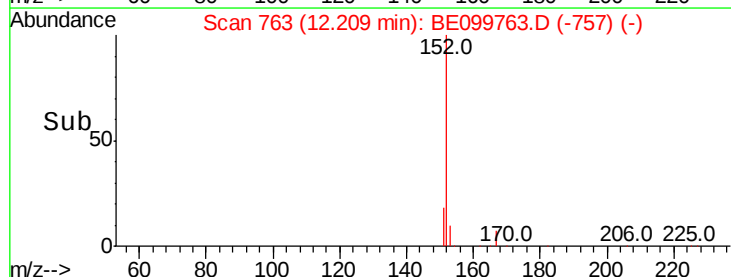
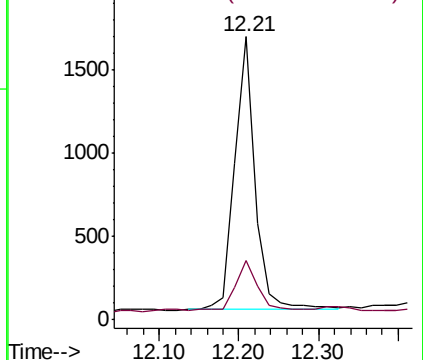
152 100

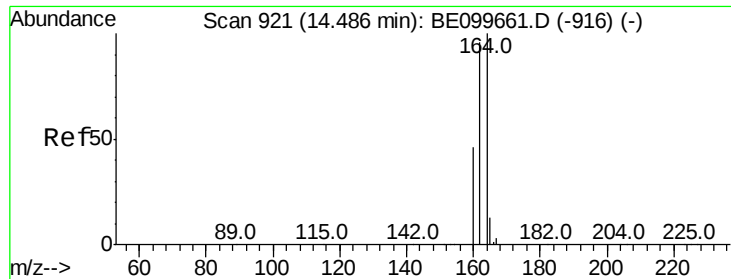
151 19.9 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

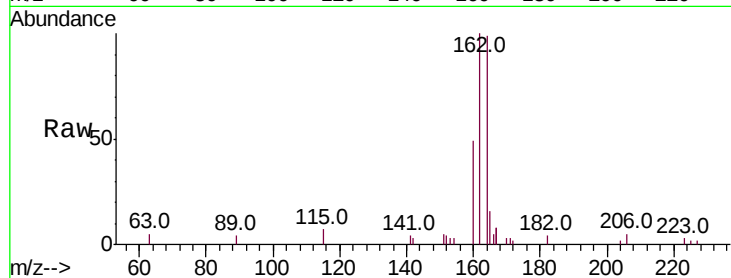




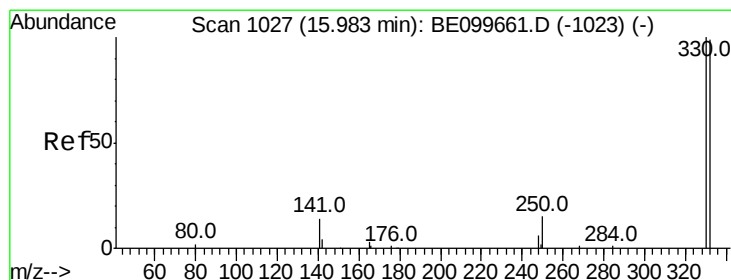
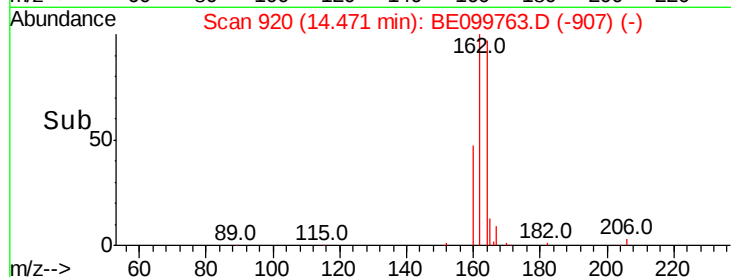
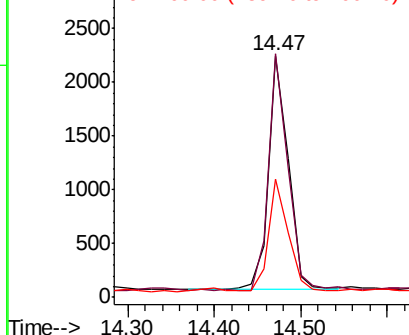
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099763.D
Acq: 28 May 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3544
Ion Ratio Lower Upper
164 100
162 100.8 76.5 114.7
160 49.1 37.4 56.2

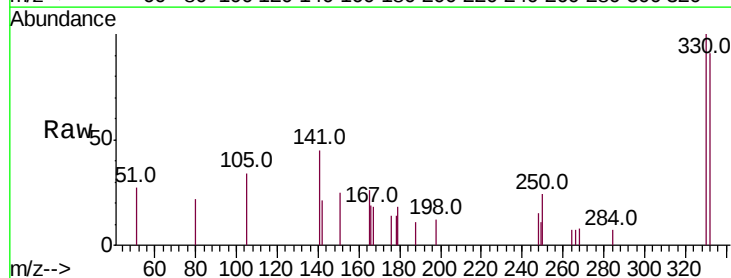


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

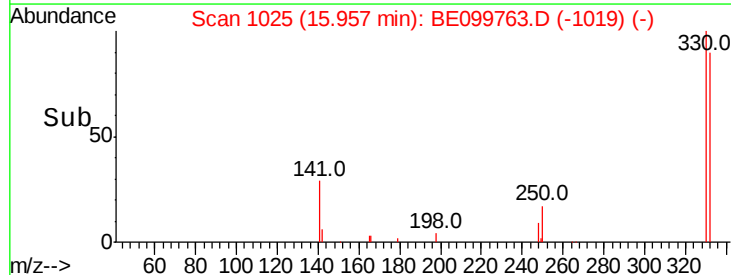
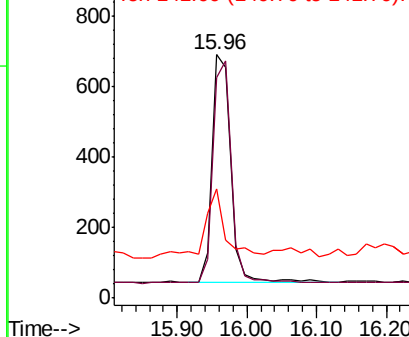


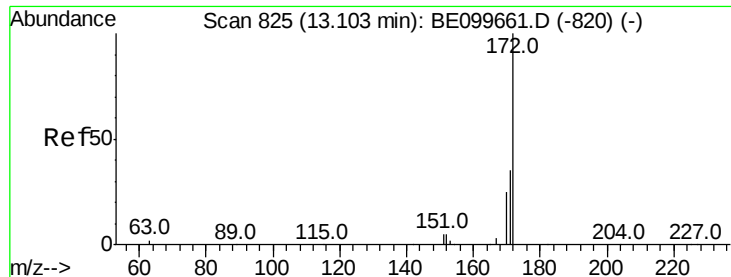
#14
2,4,6-Tribromophenol
Concen: 0.577 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BE099763.D
Acq: 28 May 2019 18:55

Tgt Ion:330 Resp: 1226
Ion Ratio Lower Upper
330 100
332 94.8 77.3 115.9
141 25.1 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: 0.537 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampleId :

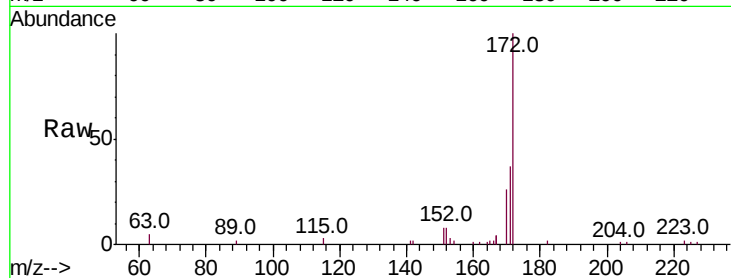
Tot Ion:172 Resp: 7218

Ion Ratio Lower Upper

172 100

171 36.6 28.7 43.1

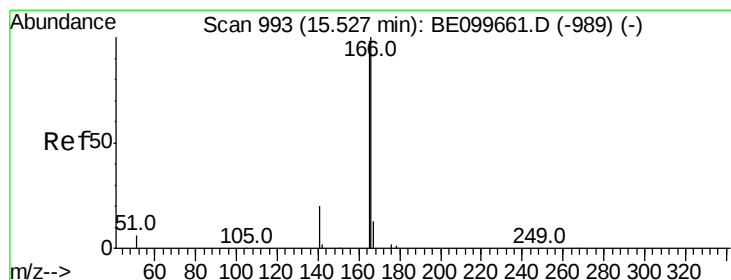
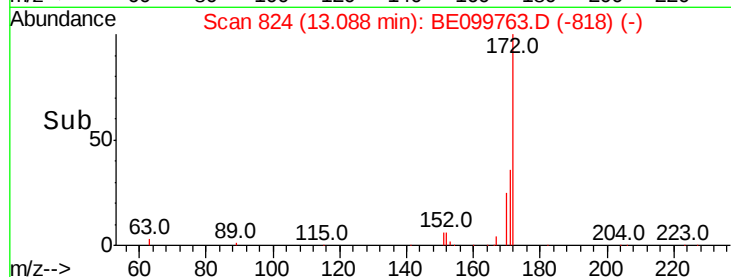
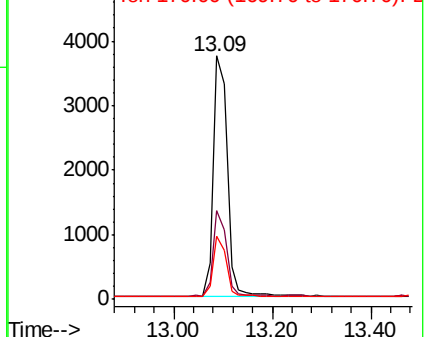
170 25.8 20.9 31.3



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



#18

Fluorene

Concen: 0.021 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

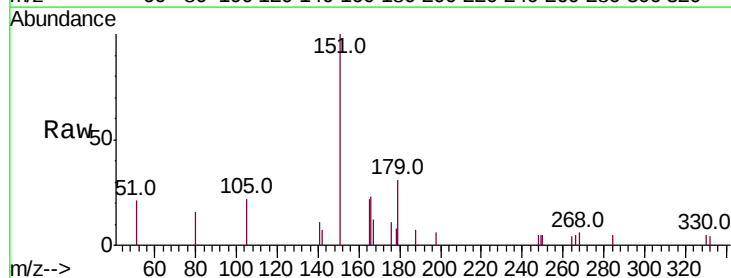
Tgt Ion:166 Resp: 289

Ion Ratio Lower Upper

166 100

165 68.2 80.3 120.5#

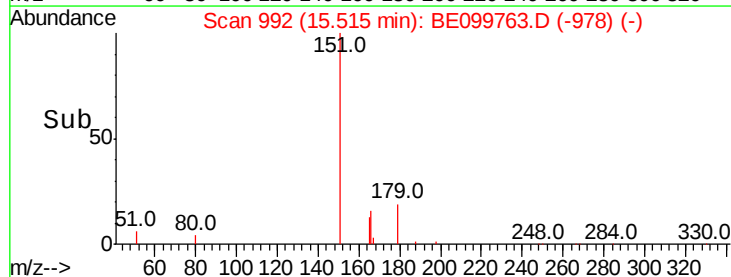
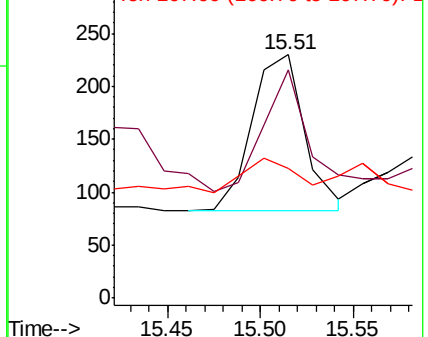
167 21.1 10.6 16.0#

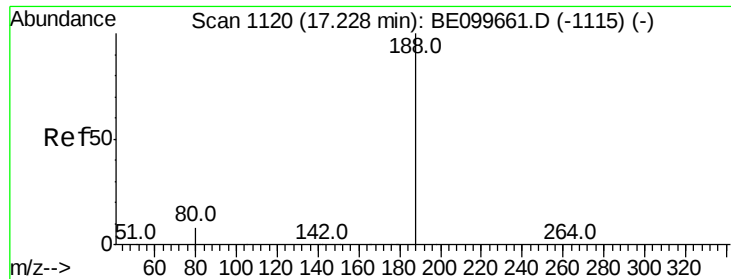


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampleId :

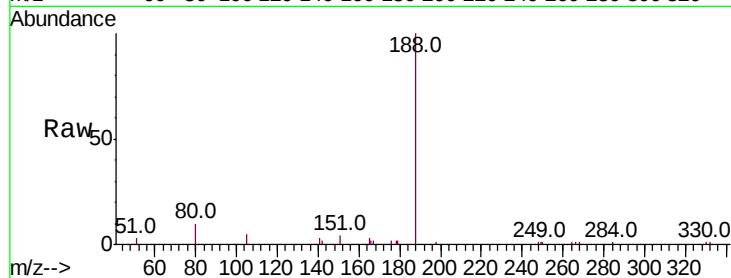
Tot Ion:188 Resp: 11271

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

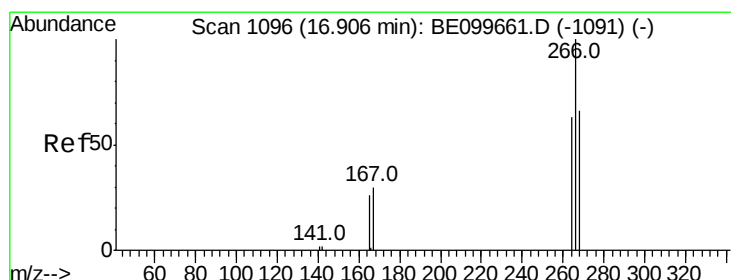
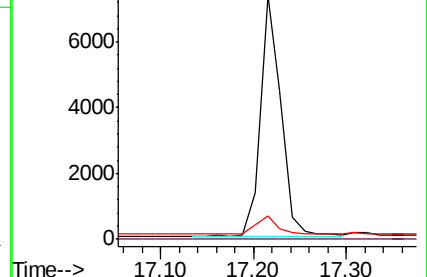
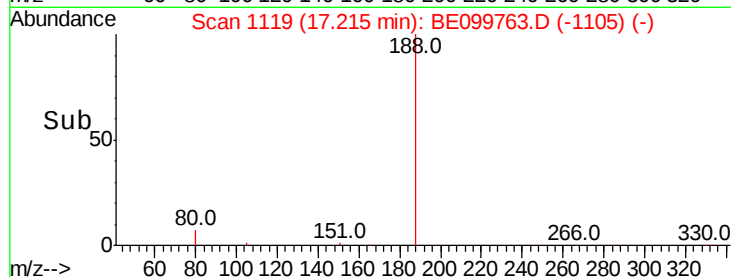
80 9.5 6.7 10.1



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: 0.226 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

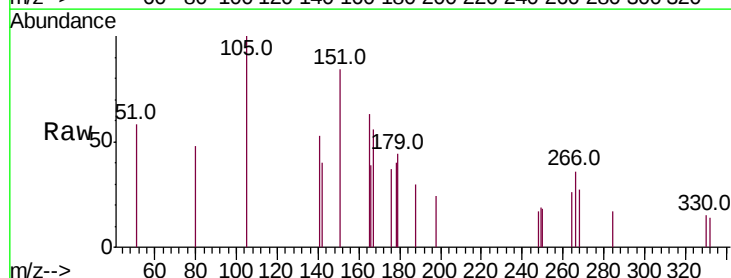
Tgt Ion:266 Resp: 91

Ion Ratio Lower Upper

266 100

264 71.8 57.2 85.8

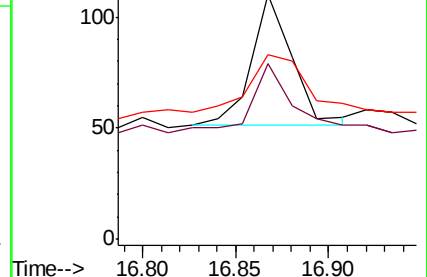
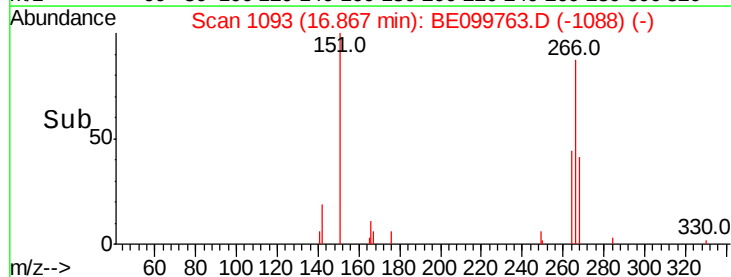
268 75.5 60.5 90.7

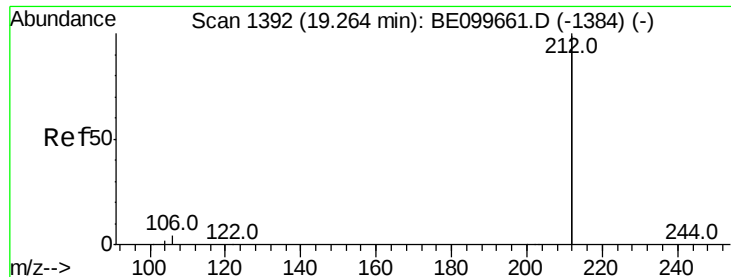


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.394 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampled :

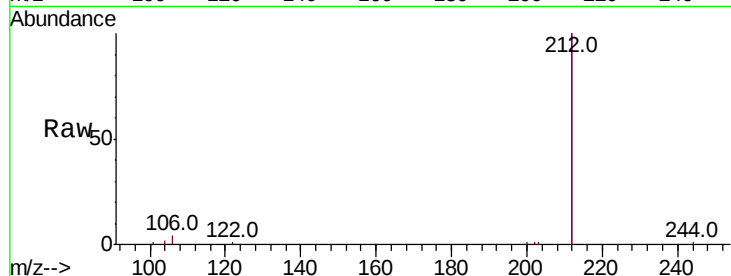
Tot Ion:212 Resp: 60757

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

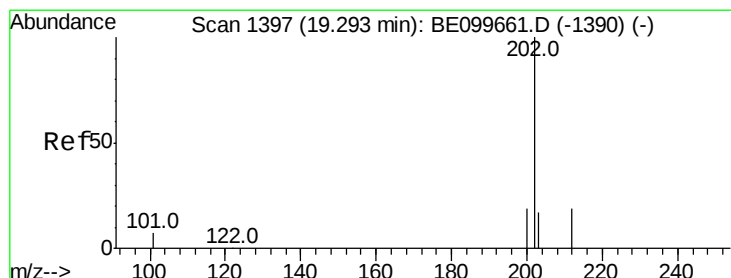
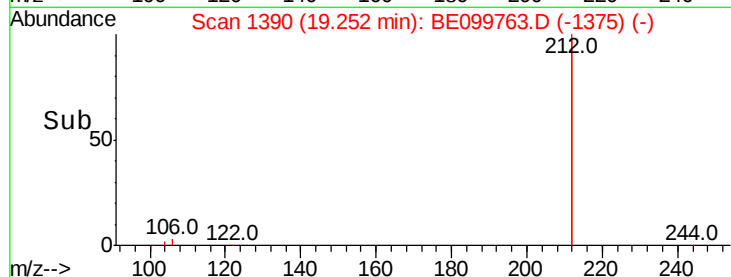
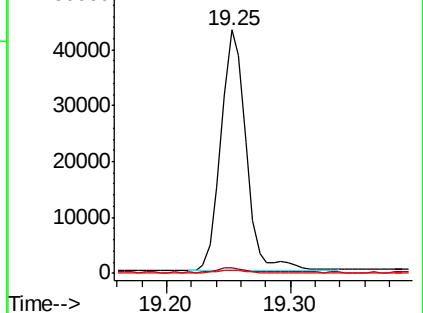
104 1.0 0.8 1.2



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: 0.027 ng

RT: 19.28 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

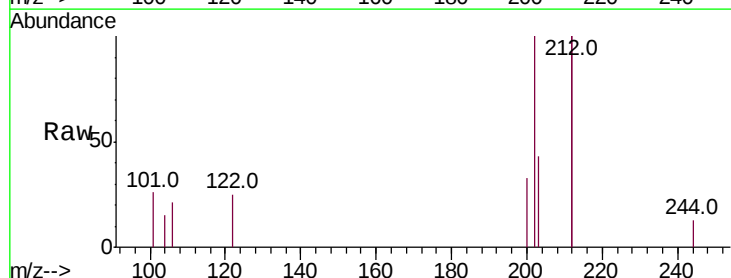
Tgt Ion:202 Resp: 1170

Ion Ratio Lower Upper

202 100

101 23.3 5.2 7.8#

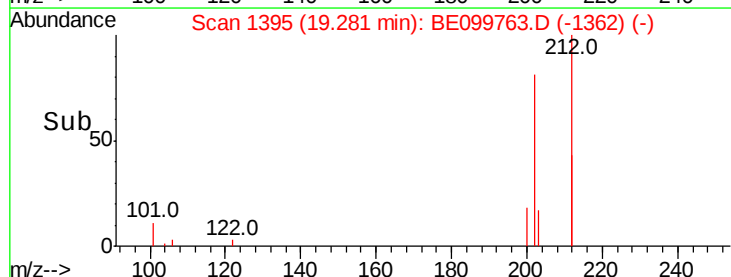
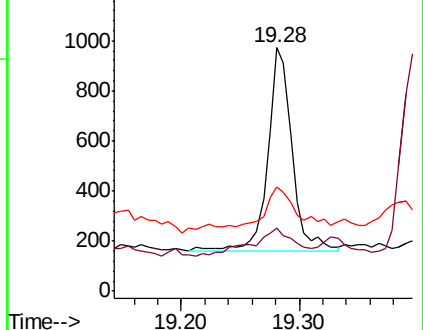
203 23.3 13.8 20.6#

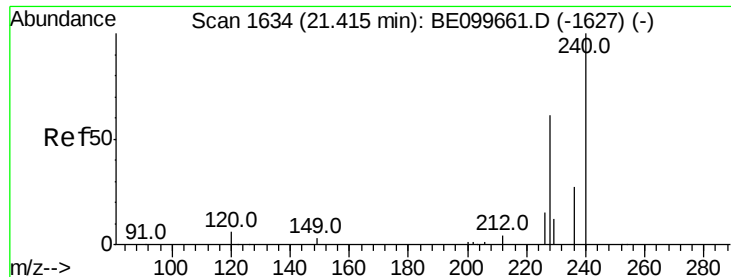


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampleId :

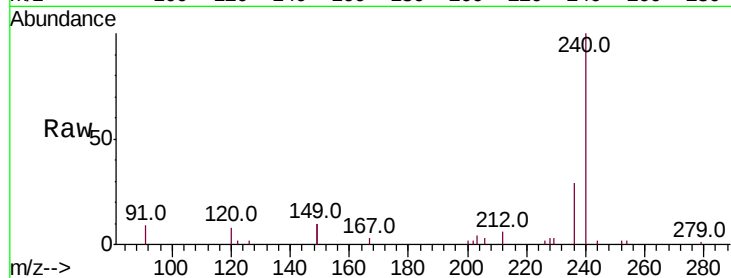
Tot Ion:240 Resp: 15420

Ion Ratio Lower Upper

240 100

120 7.7 5.4 8.0

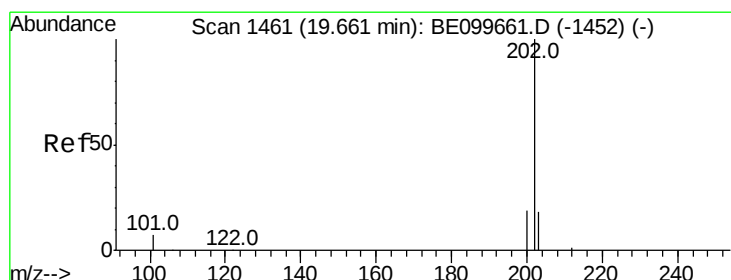
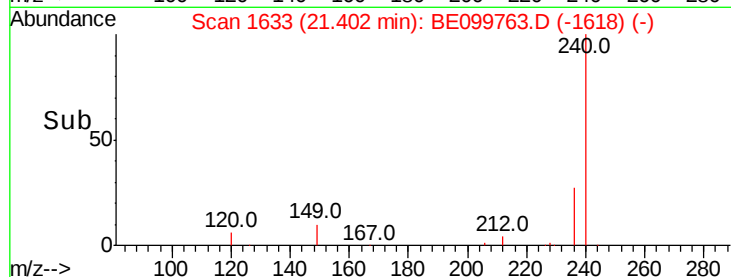
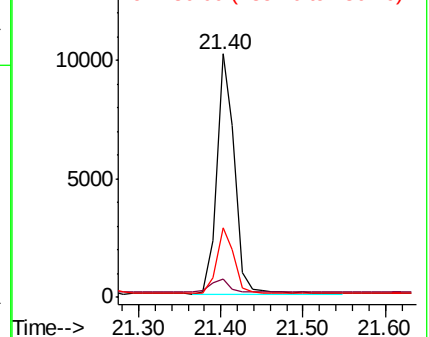
236 28.5 21.7 32.5



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: 0.026 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

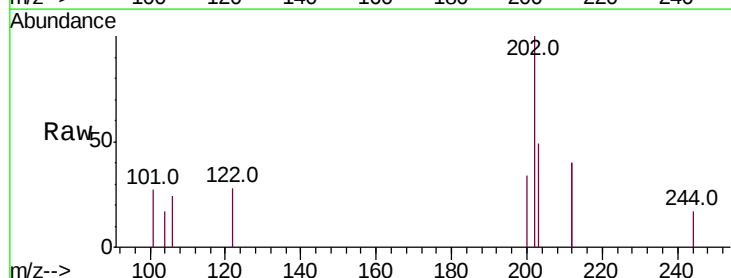
Tgt Ion:202 Resp: 995

Ion Ratio Lower Upper

202 100

200 23.0 15.4 23.2

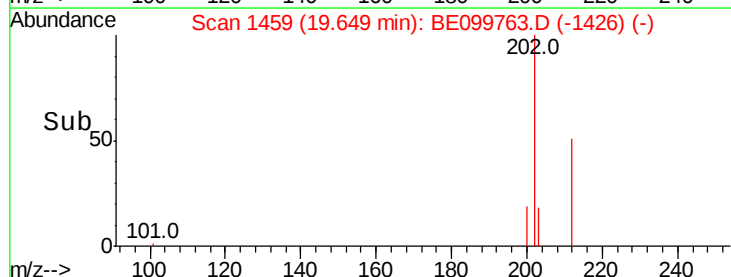
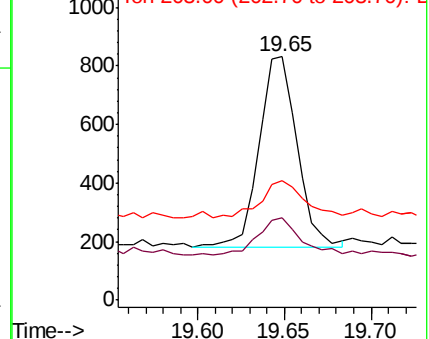
203 21.3 13.8 20.8#

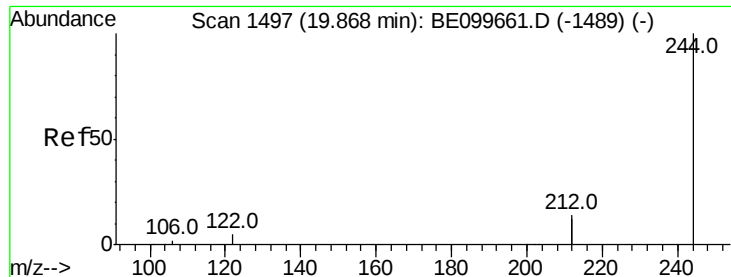


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.296 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampleId :

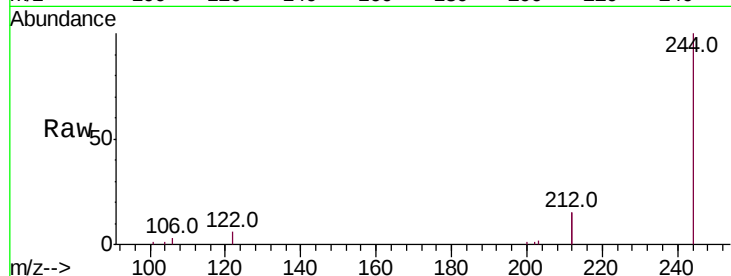
Tot Ion:244 Resp: 35665

Ion Ratio Lower Upper

244 100

212 30.6 22.5 33.7

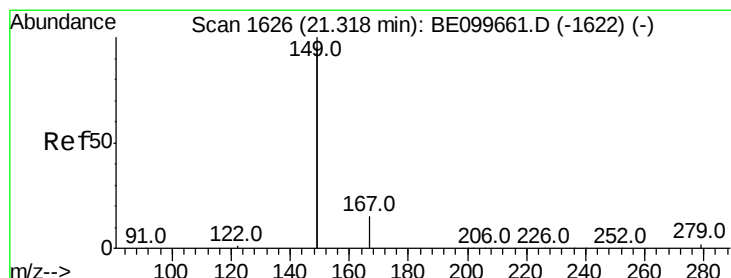
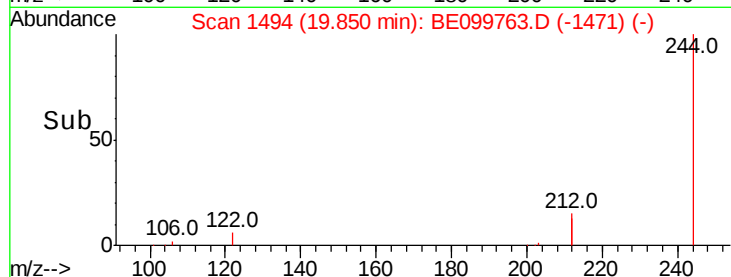
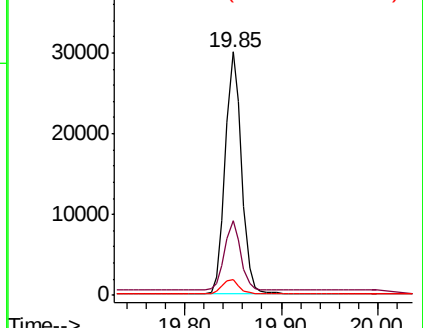
122 6.3 4.3 6.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.603 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

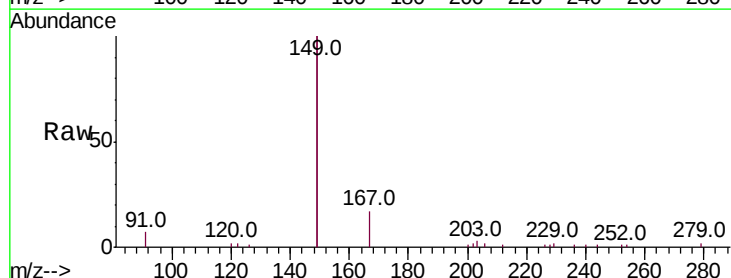
Tgt Ion:149 Resp: 30473

Ion Ratio Lower Upper

149 100

167 8.0 6.2 9.4

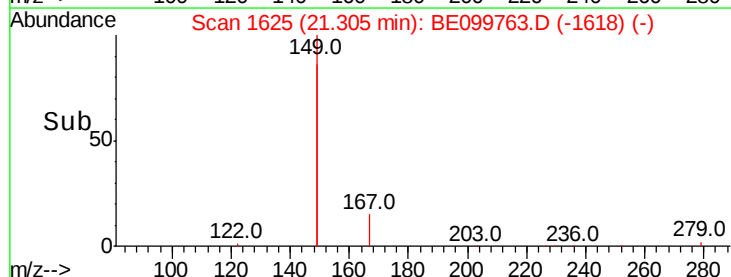
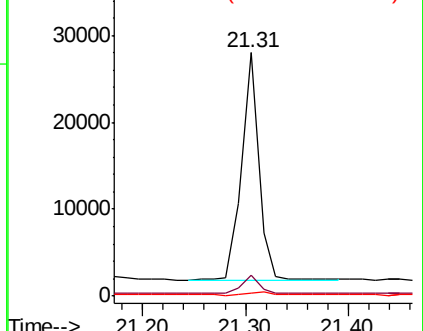
279 1.4 1.2 1.8

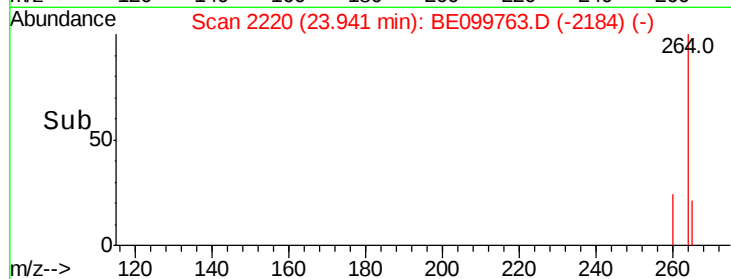
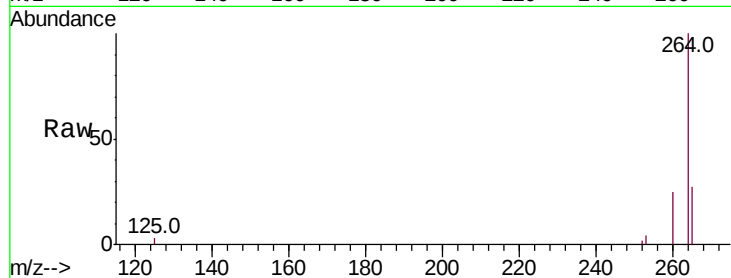
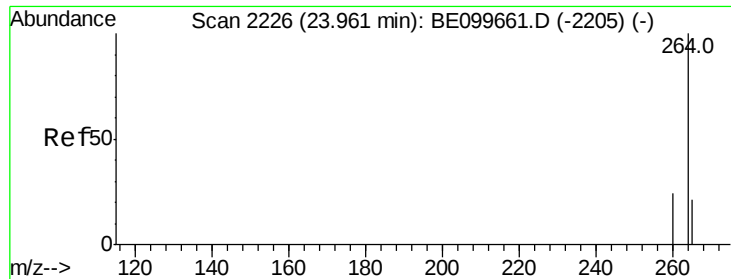


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BE099763.D

Acq: 28 May 2019 18:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 17870

Ion Ratio Lower Upper

264 100

260 25.4 19.6 29.4

265 27.4 19.1 28.7

