

Data File : BE101111.D
Acq On : 21 Jan 2020 15:56
Operator : CG/JU
Sample : L1179-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-20200116

Quant Time: Jan 22 07:57:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	233	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	1894	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	12536	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	13164	0.40	ng	0.00
27) Chrysene-d12	21.27	240	25904	0.40	ng	-0.01
34) Perylene-d12	23.70	264	28347	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	1063	2.03	ng	-0.01
5) Phenol-d6	6.91	99	258	0.39	ng	-0.01
8) Nitrobenzene-d5	8.82	82	914	0.67	ng	-0.05
11) 2-Methylnaphthalene-d10	12.09	152	1903	0.53	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	979	0.28	ng	-0.01
15) 2-Fluorobiphenyl	13.04	172	24823	0.52	ng	0.04
25) Fluoranthene-d10	19.15	212	77785	0.43	ng	0.02
29) Terphenyl-d14	19.73	244	15069	0.24	ng	0.00

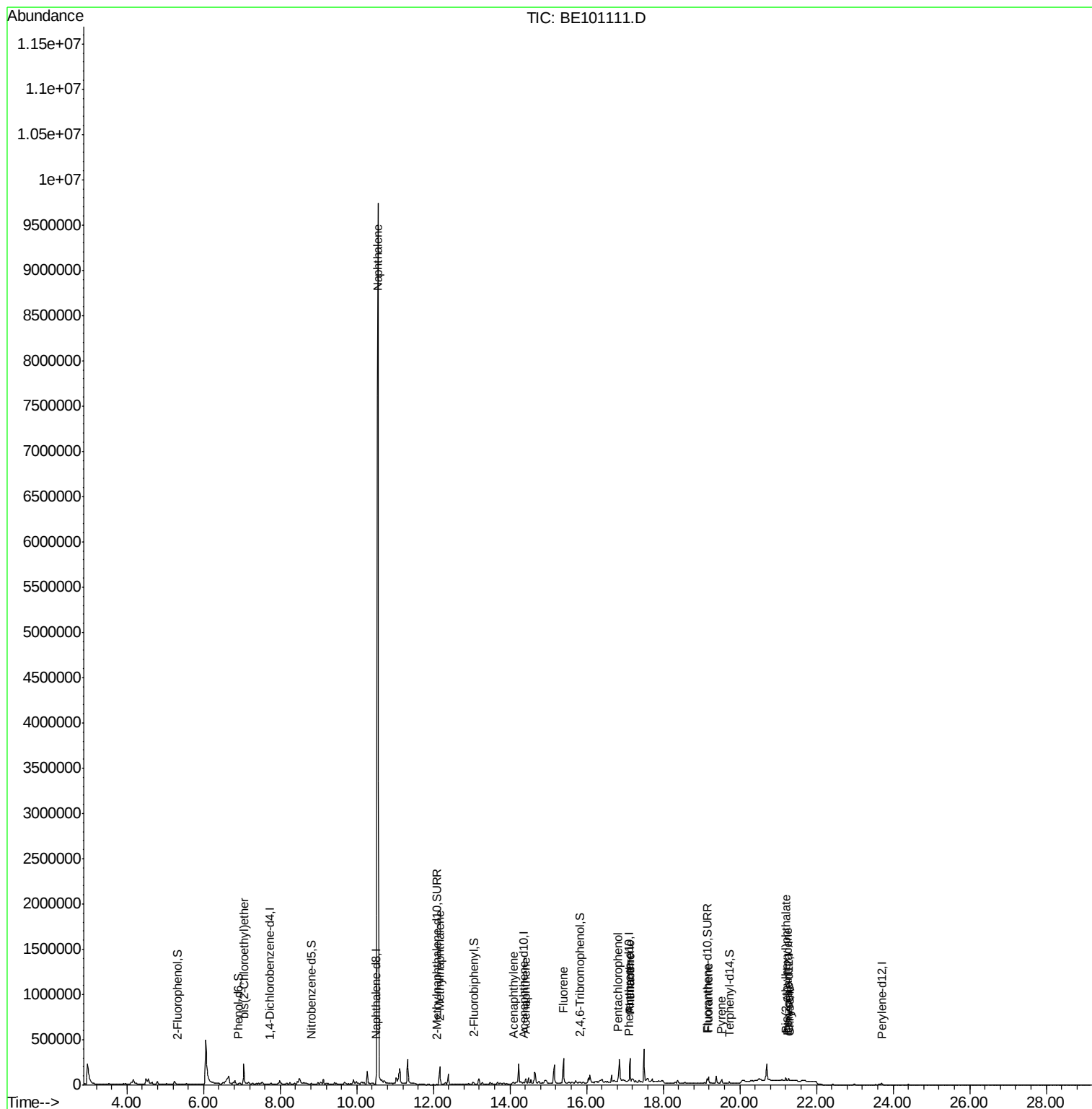
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	37	Below Cal		# 26
6) bis(2-Chloroethyl)ether	7.05	93	176813	223.767	ng	# 1
9) Naphthalene	10.55	128	16596949	789.192	ng	100
12) 2-Methylnaphthalene	12.17	142	137018	43.072	ng	98
16) Acenaphthylene	14.08	152	23969	0.469	ng	# 74
17) Acenaphthene	14.41	154	31624	0.865	ng	# 78
18) Fluorene	15.39	166	204835	4.434	ng	98
22) Pentachlorophenol	16.83	266	99	0.290	ng	92
23) Phenanthrene	17.13	178	285410	7.940	ng	98
24) Anthracene	17.13	178	285410	8.414	ng	98
26) Fluoranthene	19.18	202	60849	1.352	ng	99
28) Pyrene	19.52	202	38741	0.402	ng	97
30) Benzo(a)anthracene	21.26	228	4400	0.060	ng	# 57
31) Chrysene	21.31	228	3490	0.032	ng	# 37
32) Bis(2-ethylhexyl)phthalate	21.20	149	48317	0.392	ng	# 99

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

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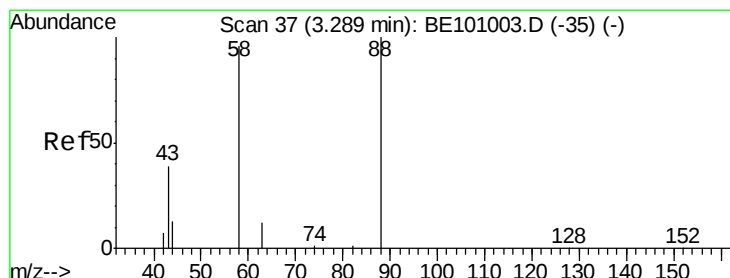
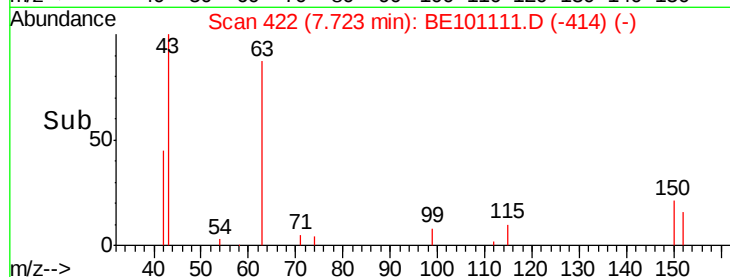
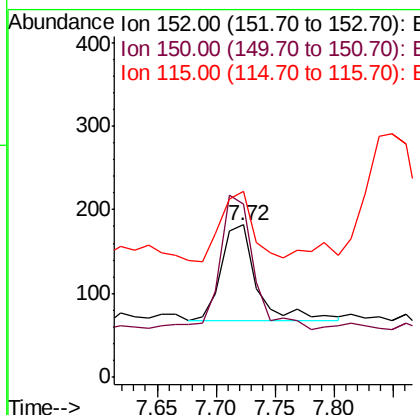
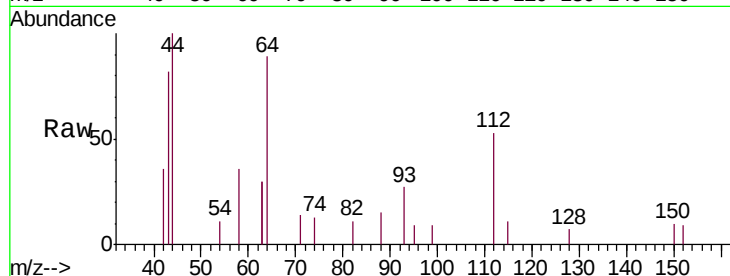


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101111.D
Acq: 21 Jan 2020 15:56

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ClientSampleId :
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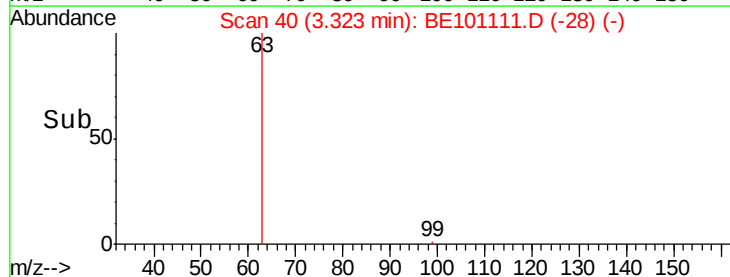
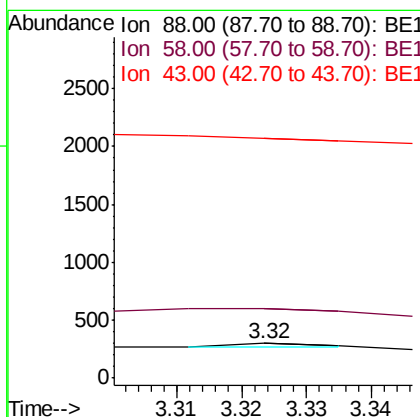
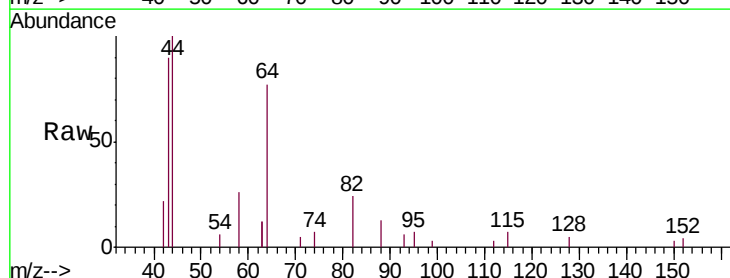
Tgt Ion: 152 Resp: 233
Ion Ratio Lower Upper
152 100
150 113.2 120.3 180.5#
115 122.0 51.7 77.5#

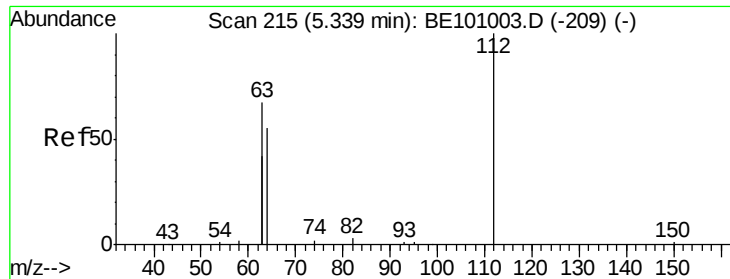


#2

1,4-Dioxane
Concen: Below Cal
RT: 3.32 min Scan# 40
Delta R.T. 0.04 min
Lab File: BE101111.D
Acq: 21 Jan 2020 15:56

Tgt Ion: 88 Resp: 37
Ion Ratio Lower Upper
88 100
58 0.0 53.0 79.4#
43 0.0 23.4 35.2#





#4

2-Fluorophenol

Concen: 2.027 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

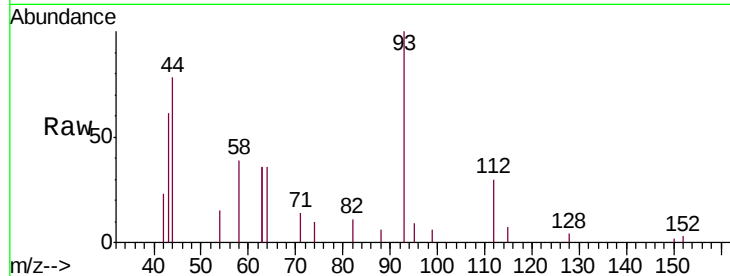
Tgt Ion: 112 Resp: 1063

Ion Ratio Lower Upper

112 100

64 0.0 53.6 80.4#

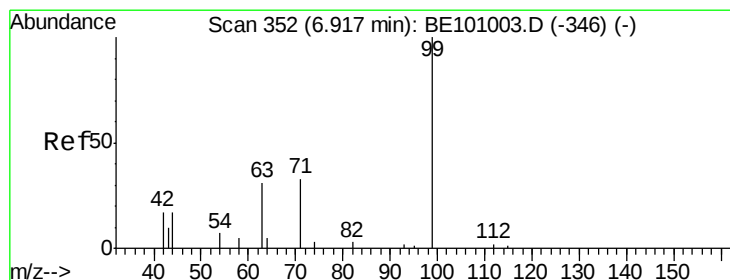
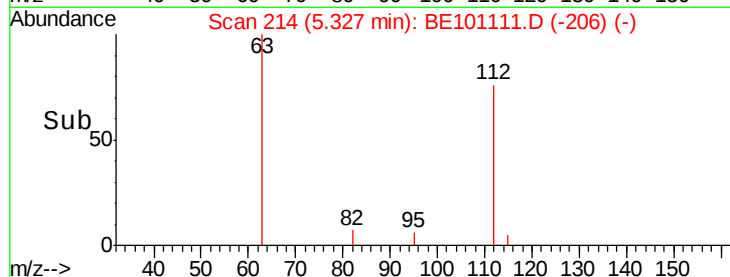
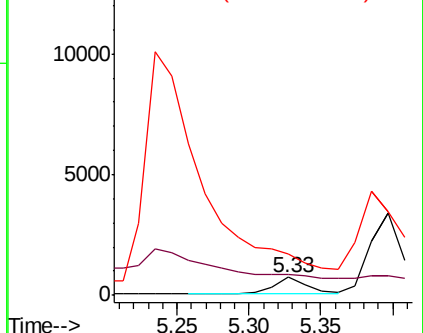
63 0.0 114.6 172.0#



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.389 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

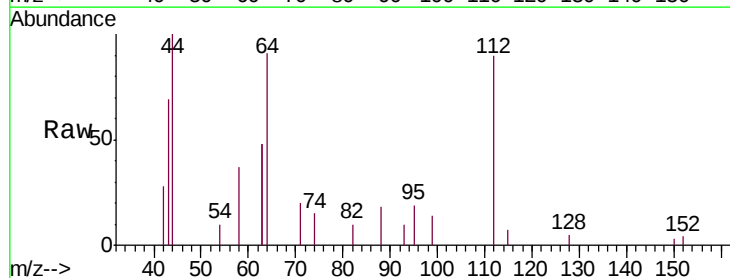
Tgt Ion: 99 Resp: 258

Ion Ratio Lower Upper

99 100

42 0.0 18.3 27.5#

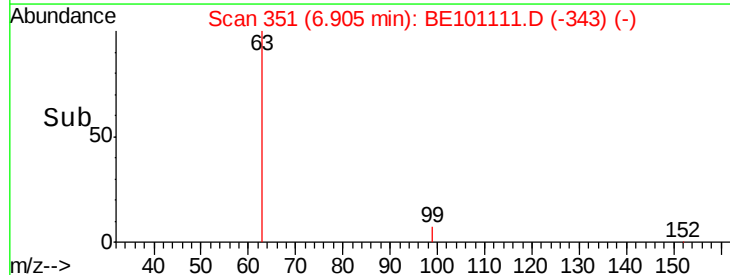
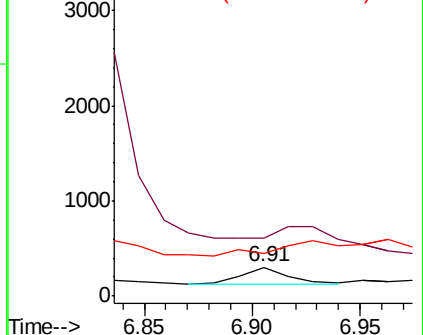
71 0.0 28.0 42.0#

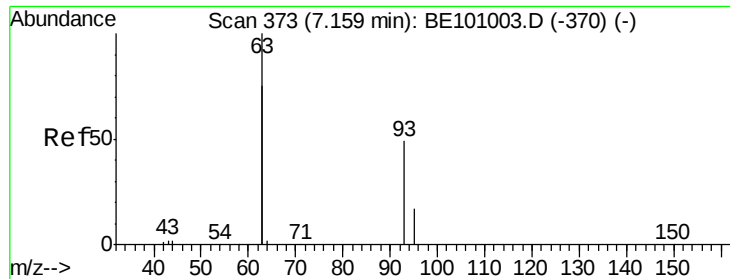


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 223.767 ng

RT: 7.05 min Scan# 364

Delta R.T. -0.10 min

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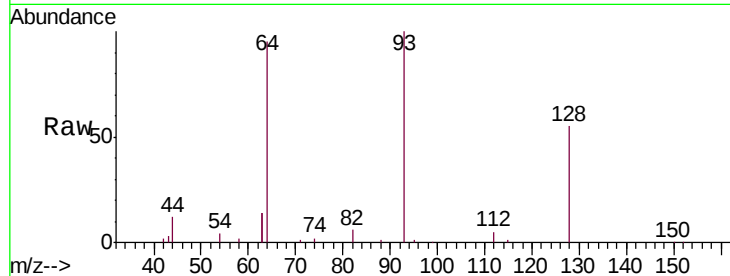
Tgt Ion: 93 Resp: 176813

Ion Ratio Lower Upper

93 100

63 26.3 233.9 350.9#

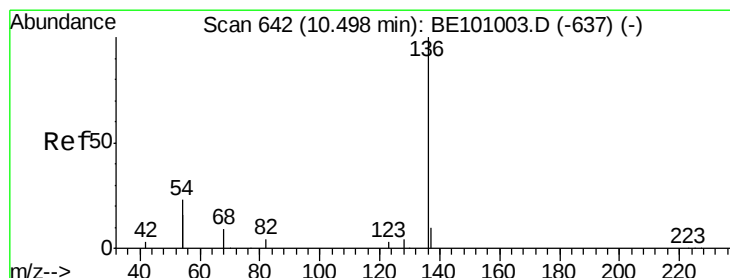
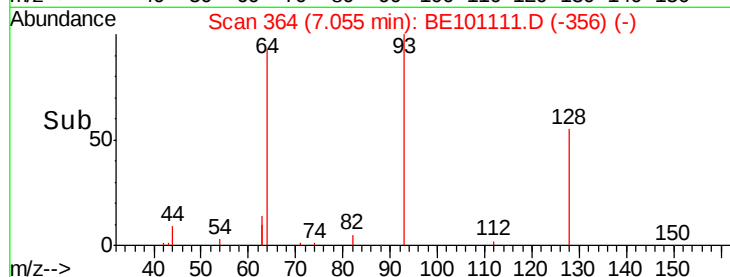
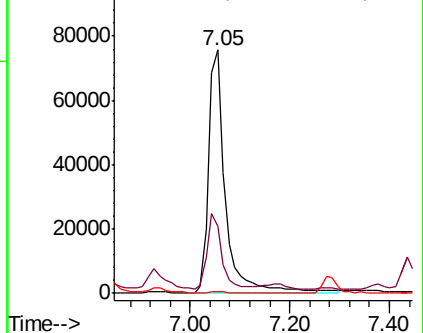
95 0.5 23.5 35.3#



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Tgt Ion: 136 Resp: 1894

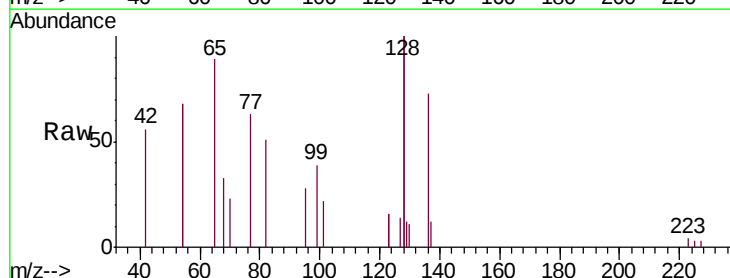
Ion Ratio Lower Upper

136 100

137 17.2 9.3 13.9#

54 188.0 36.8 55.2#

68 45.0 8.4 12.6#

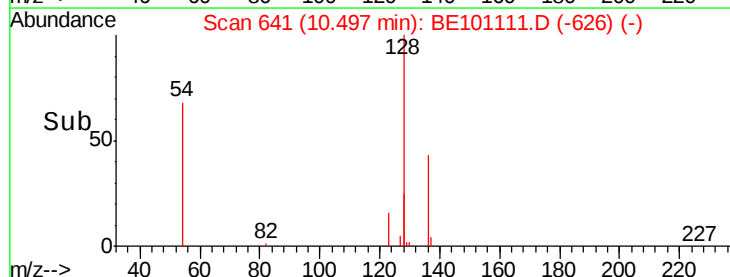
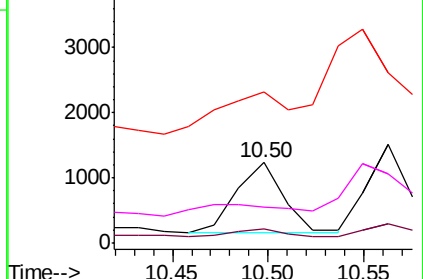


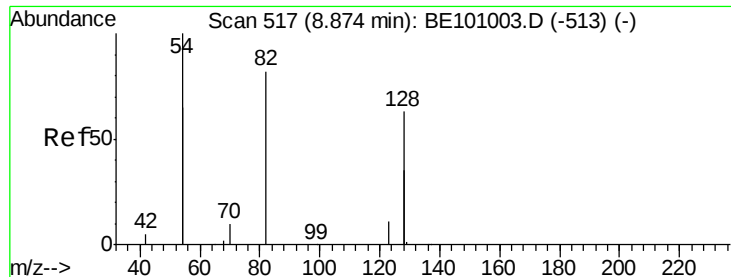
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.675 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.05 min

Lab File: BE101111.D

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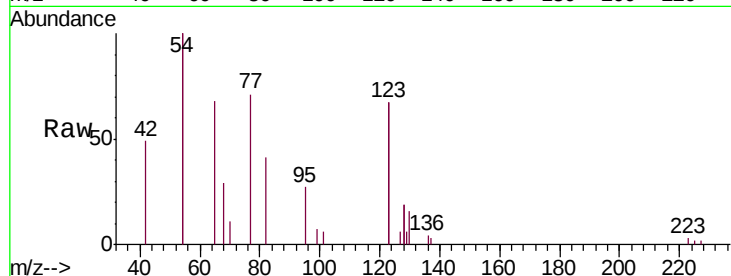
Tgt Ion: 82 Resp: 914

Ion Ratio Lower Upper

82 100

128 91.3 109.8 164.6#

54 492.8 174.5 261.7#

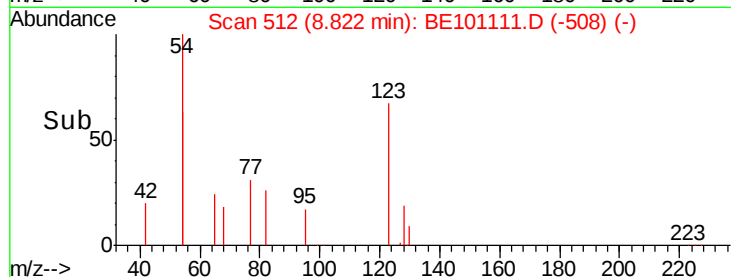


Abundance Ion 82.00 (81.70 to 82.70): BE1

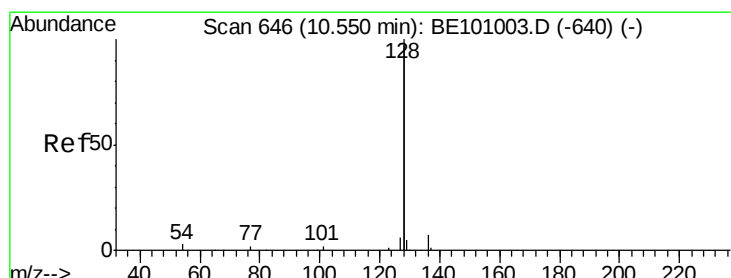
Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Time-->



Time-->



#9

Naphthalene

Concen: 789.192 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

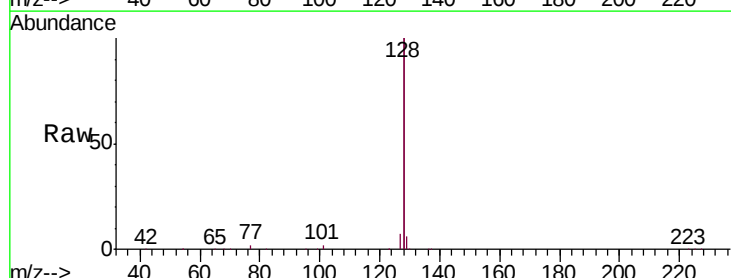
Tgt Ion: 128 Resp: 16596949

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

127 3.6 2.7 4.1

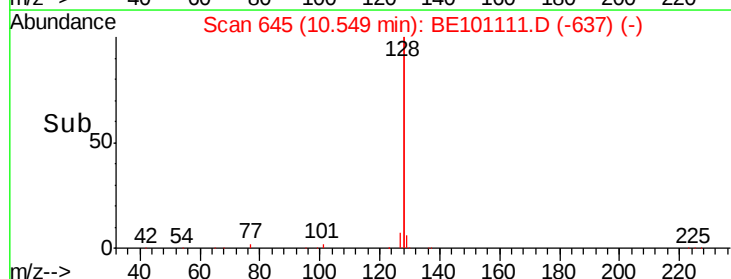


Abundance Ion 128.00 (127.70 to 128.70): E

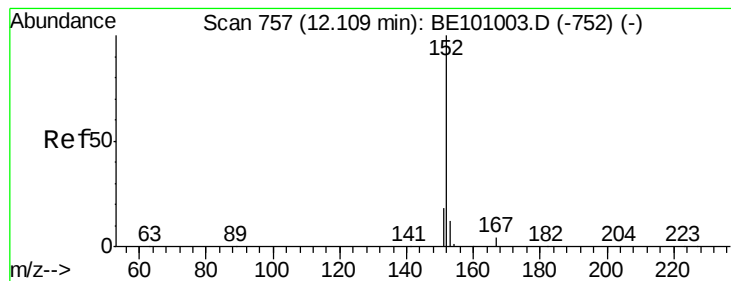
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.526 ng

RT: 12.09 min Scan# 755

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

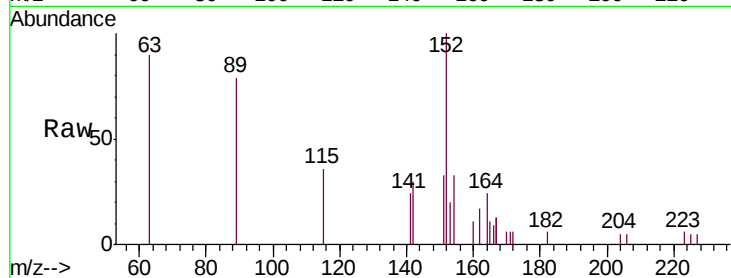
DUP-20200116

Tgt Ion:152 Resp: 1903

Ion Ratio Lower Upper

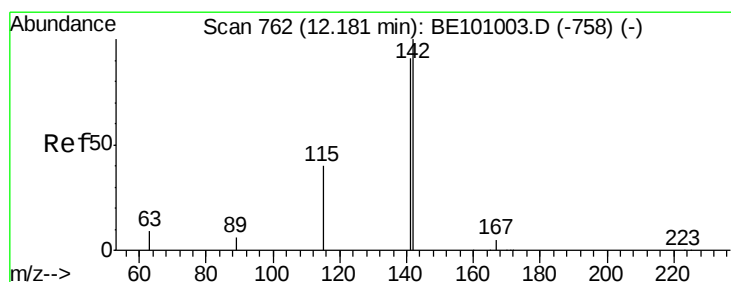
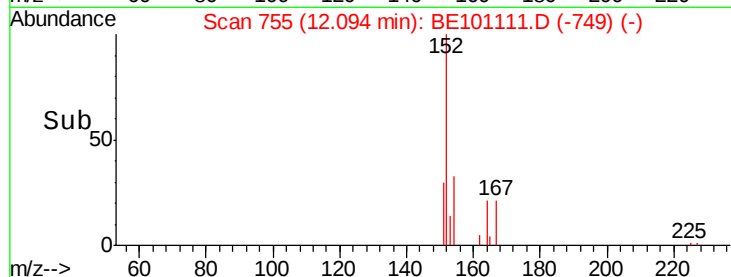
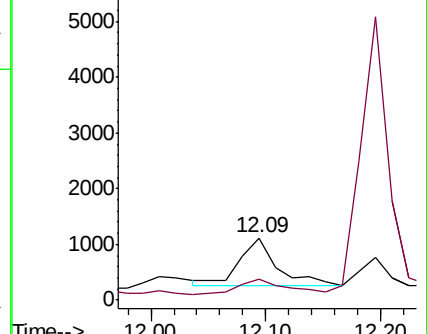
152 100

151 40.0 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 43.072 ng

RT: 12.17 min Scan# 760

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

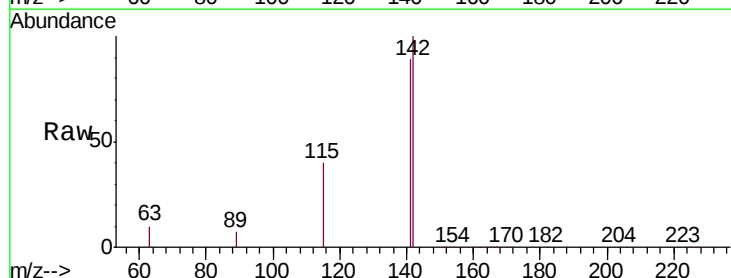
Tgt Ion:142 Resp: 137018

Ion Ratio Lower Upper

142 100

141 88.6 72.5 108.7

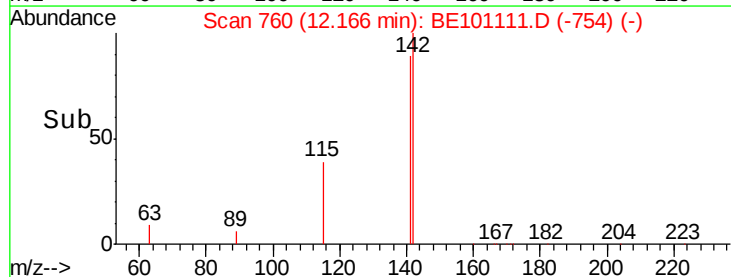
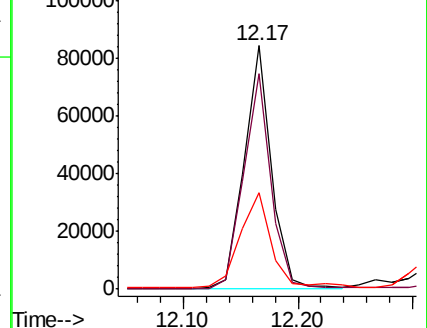
115 39.6 33.0 49.6

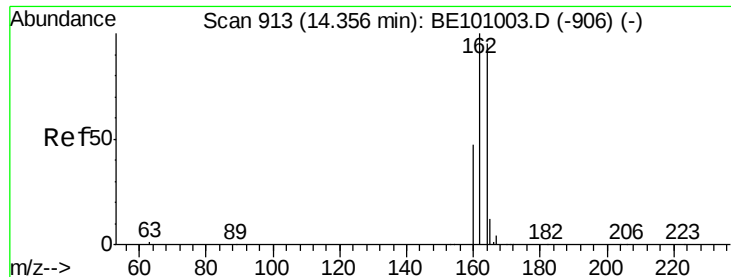


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

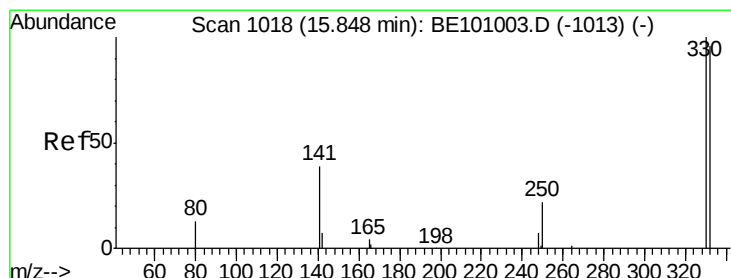
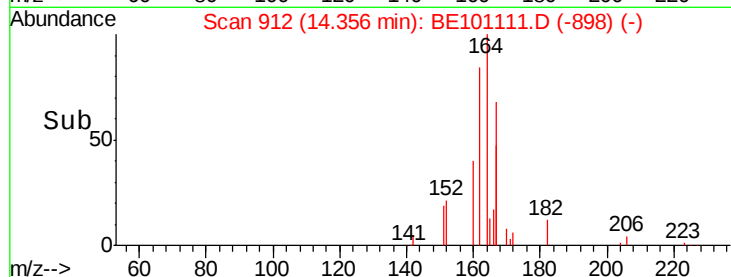
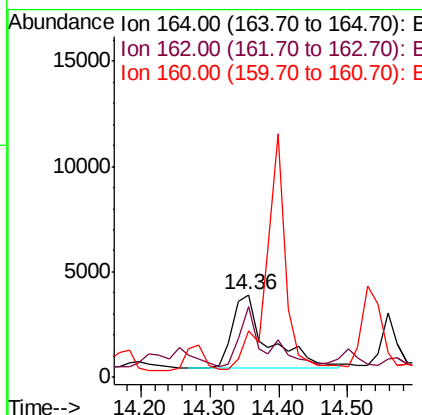
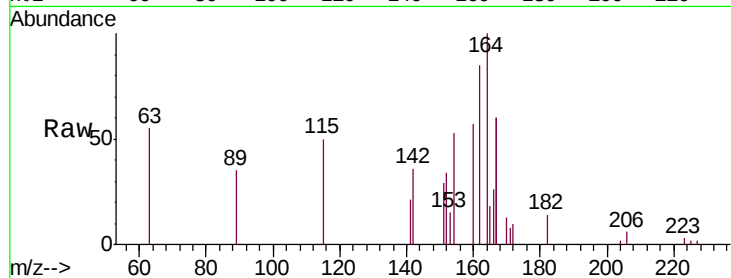




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.36 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BE101111.D
 Acq: 21 Jan 2020 15:56

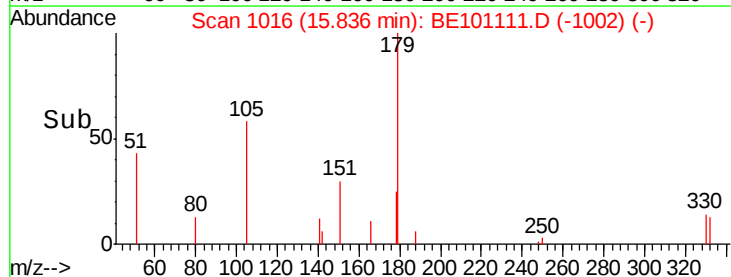
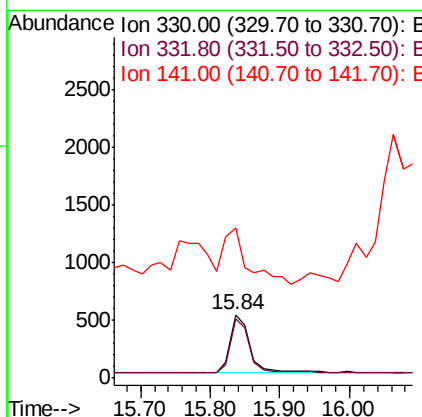
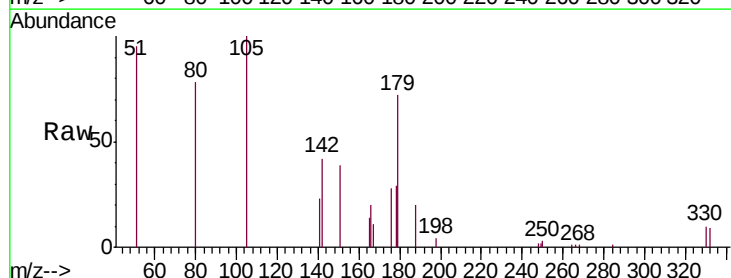
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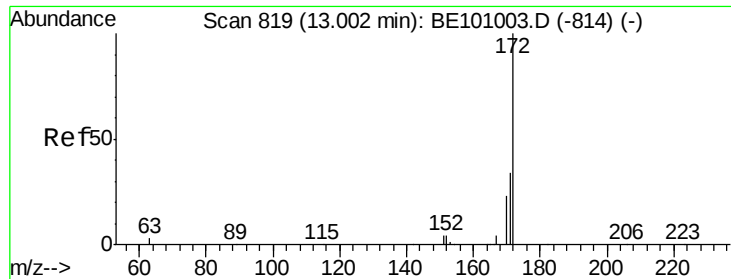
Tgt Ion:164 Resp: 12536
 Ion Ratio Lower Upper
 164 100
 162 85.3 84.1 126.1
 160 56.8 40.4 60.6



#14
 2,4,6-Tribromophenol
 Concen: 0.277 ng
 RT: 15.84 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BE101111.D
 Acq: 21 Jan 2020 15:56

Tgt Ion:330 Resp: 979
 Ion Ratio Lower Upper
 330 100
 332 90.3 78.4 117.6
 141 117.6 37.0 55.4#

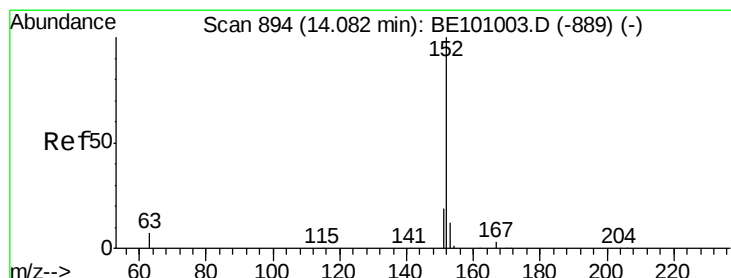
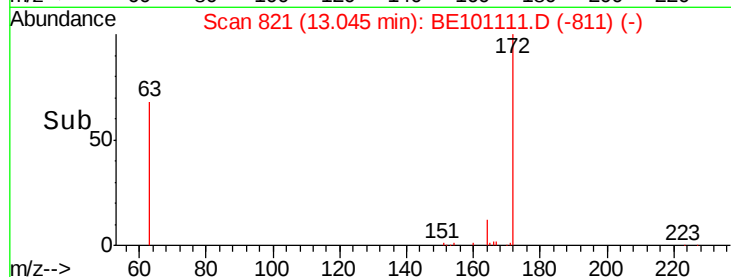
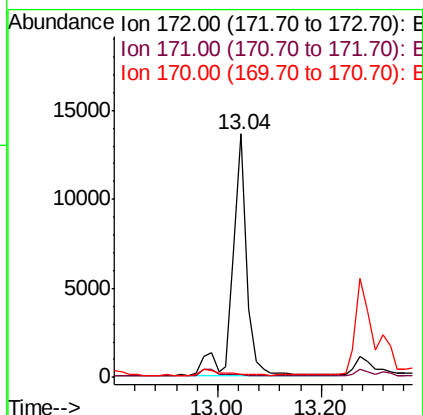
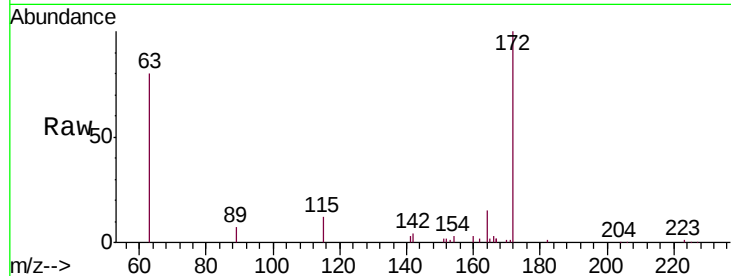




#15
2-Fluorobiphenyl
Concen: 0.521 ng
RT: 13.04 min Scan# 821
Delta R.T. 0.04 min
Lab File: BE101111.D
Acq: 21 Jan 2020 15:56

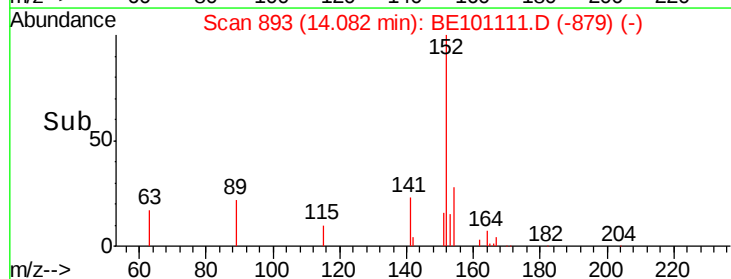
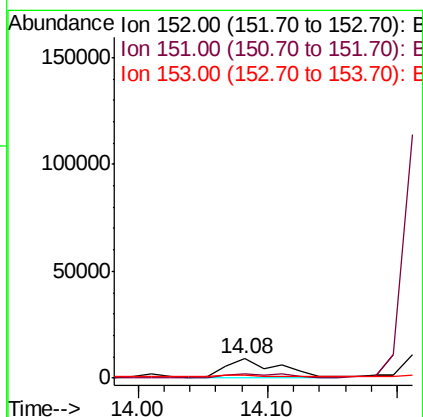
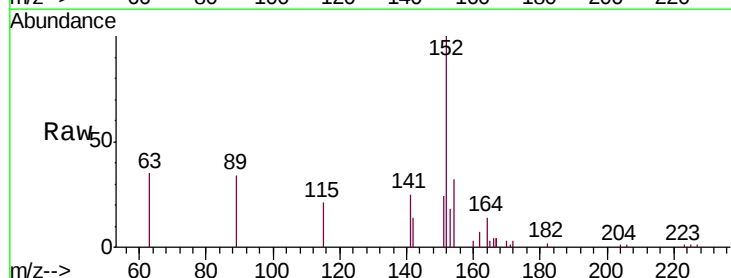
Instrument :
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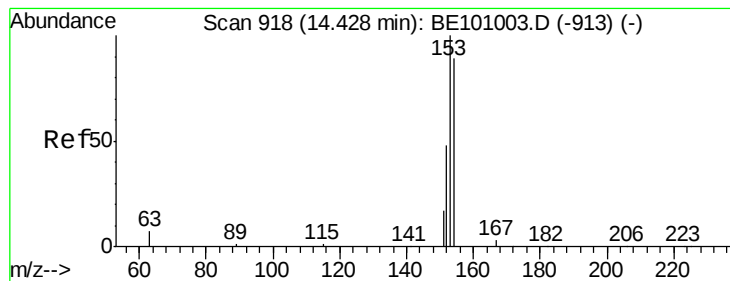
Tgt Ion:172 Resp: 24823
Ion Ratio Lower Upper
172 100
171 1.2 28.2 42.2#
170 1.3 18.9 28.3#



#16
Acenaphthylene
Concen: 0.469 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101111.D
Acq: 21 Jan 2020 15:56

Tgt Ion:152 Resp: 23969
Ion Ratio Lower Upper
152 100
151 0.0 15.5 23.3#
153 12.5 10.4 15.6





#17

Acenaphthene

Concen: 0.865 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

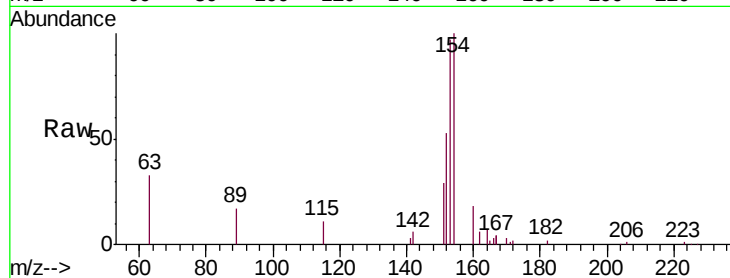
Tgt Ion:154 Resp: 31624

Ion Ratio Lower Upper

154 100

153 88.5 93.6 140.4#

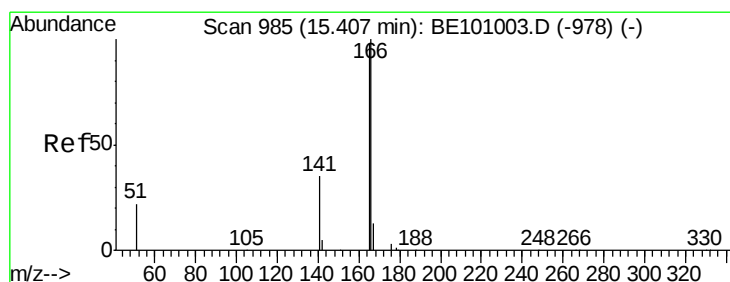
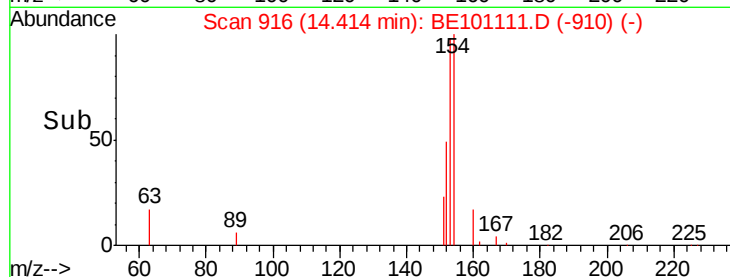
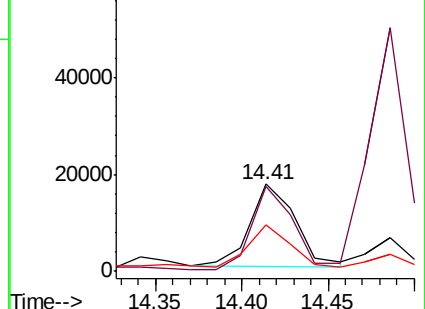
152 46.8 46.3 69.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 4.434 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

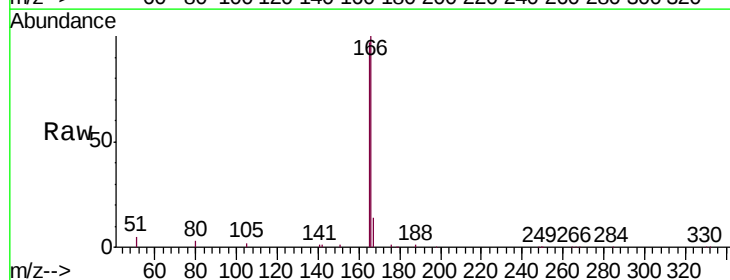
Tgt Ion:166 Resp: 204835

Ion Ratio Lower Upper

166 100

165 97.6 79.8 119.8

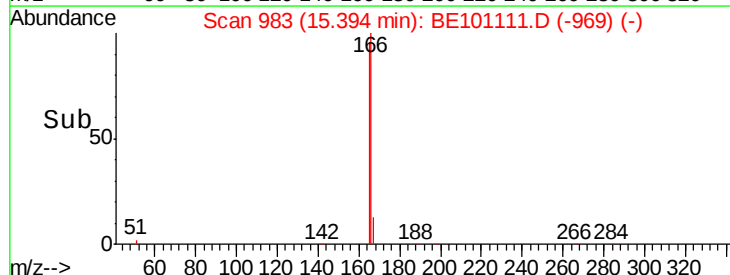
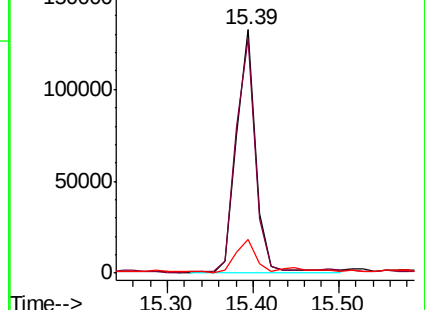
167 14.2 11.0 16.6

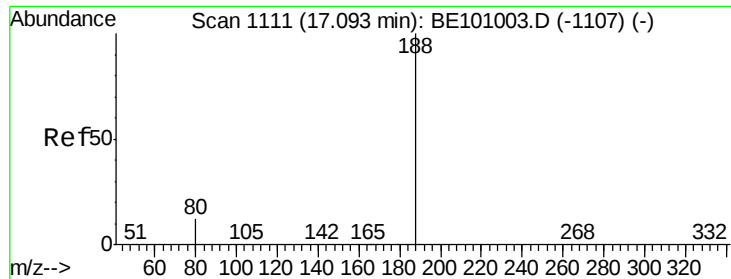


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

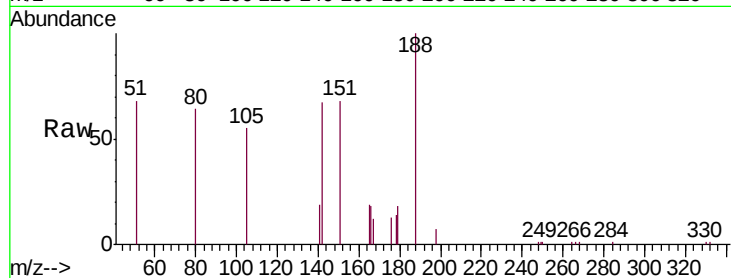
Tgt Ion:188 Resp: 13164

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

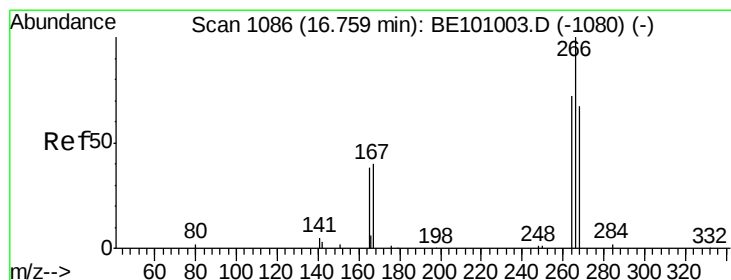
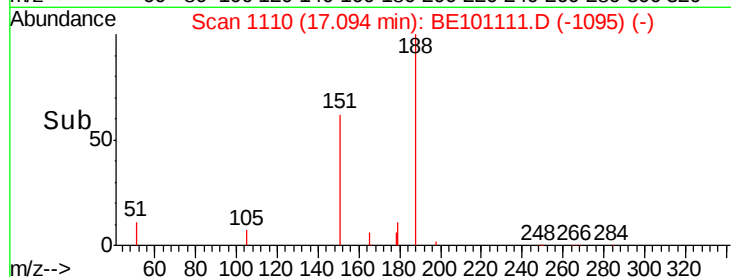
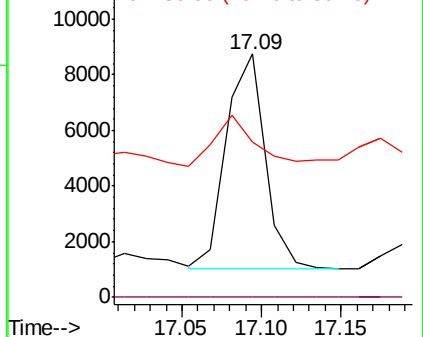
80 63.7 10.8 16.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#22

Pentachlorophenol

Concen: 0.290 ng

RT: 16.83 min Scan# 1090

Delta R.T. 0.07 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

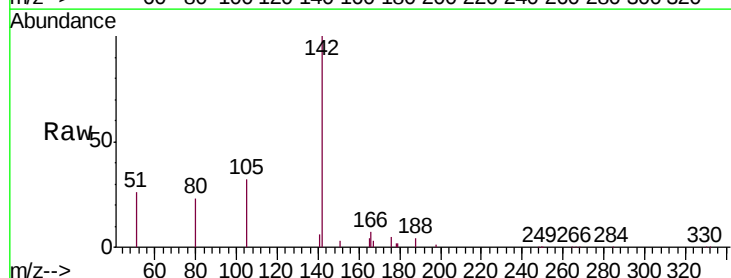
Tgt Ion:266 Resp: 99

Ion Ratio Lower Upper

266 100

264 64.8 61.0 91.4

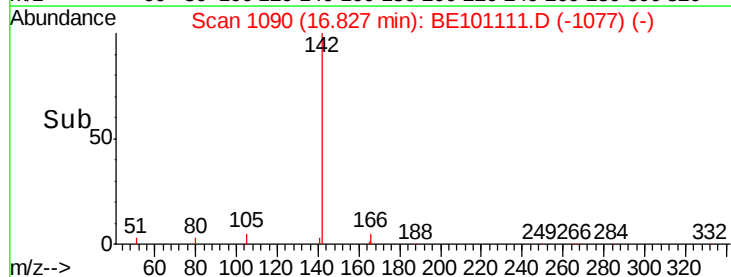
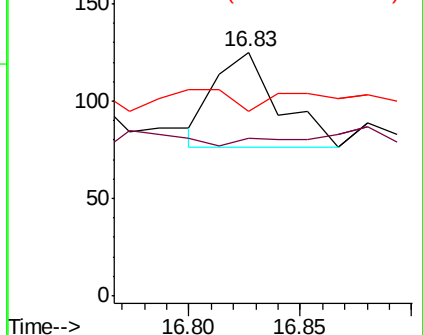
268 76.0 58.5 87.7

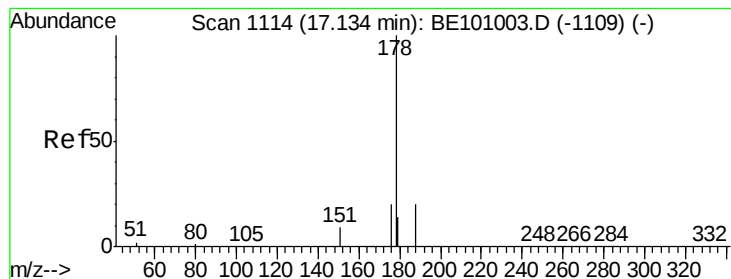


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 7.940 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

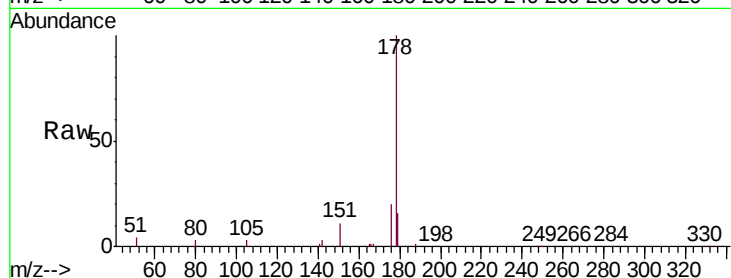
Tgt Ion:178 Resp: 285410

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 16.4 12.0 18.0

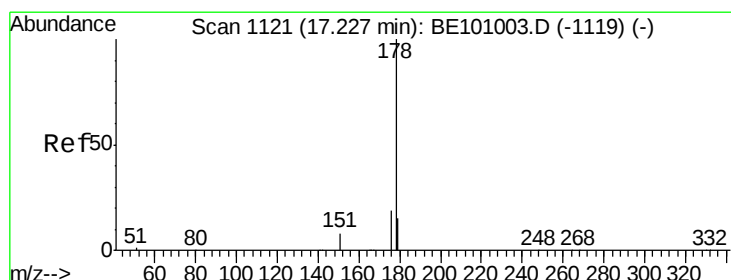
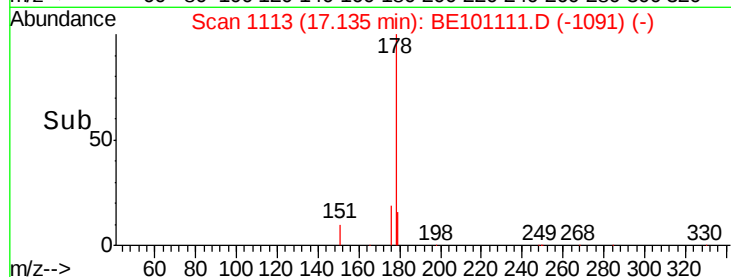
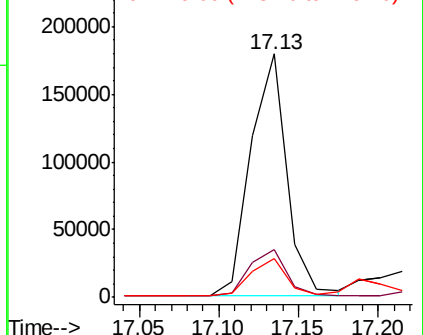


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 8.414 ng

RT: 17.13 min Scan# 1113

Delta R.T. -0.09 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

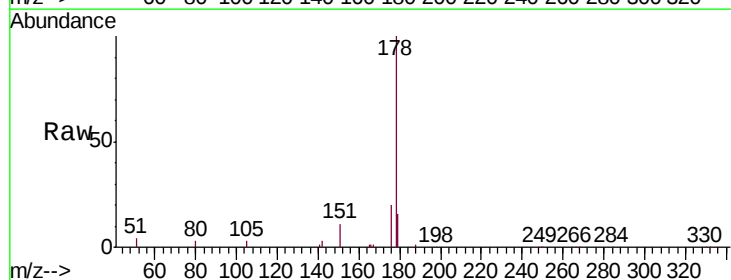
Tgt Ion:178 Resp: 285410

Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

179 16.4 12.4 18.6

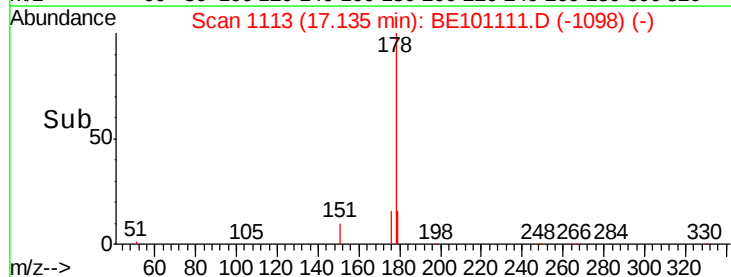
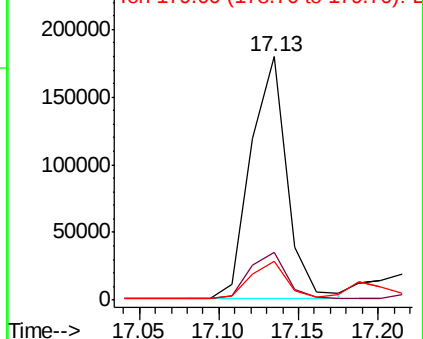


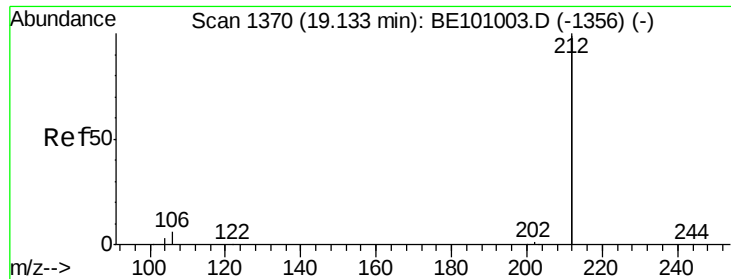
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.425 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.02 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

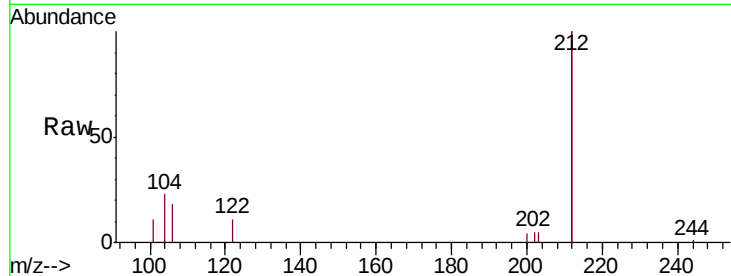
Tgt Ion:212 Resp: 77785

Ion Ratio Lower Upper

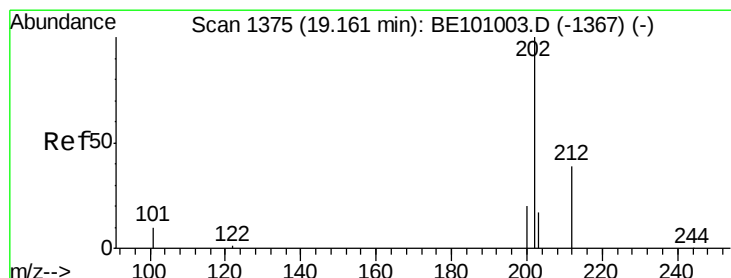
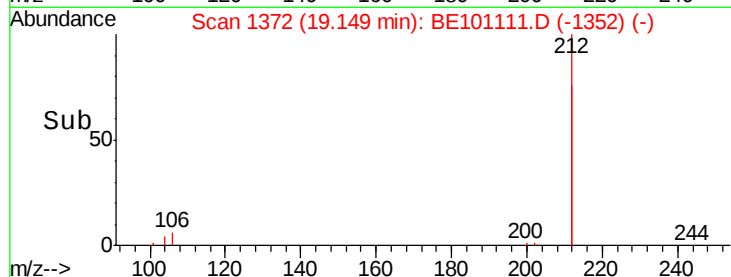
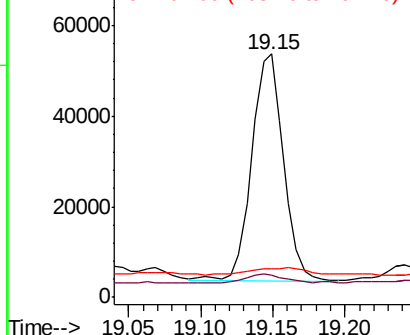
212 100

106 4.8 2.6 3.8#

104 5.1 1.4 2.0#



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: 1.352 ng

RT: 19.18 min Scan# 1377

Delta R.T. 0.02 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

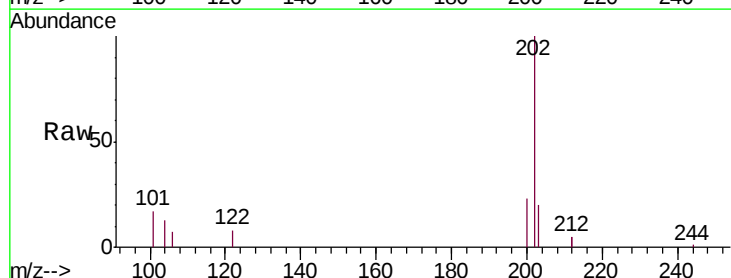
Tgt Ion:202 Resp: 60849

Ion Ratio Lower Upper

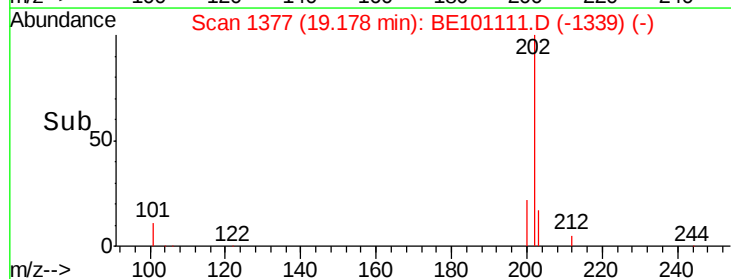
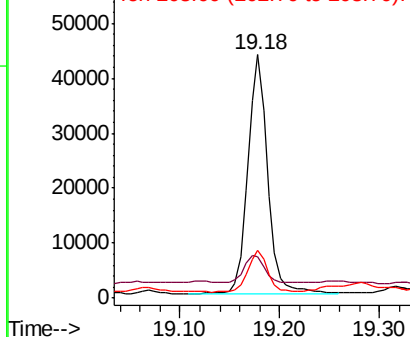
202 100

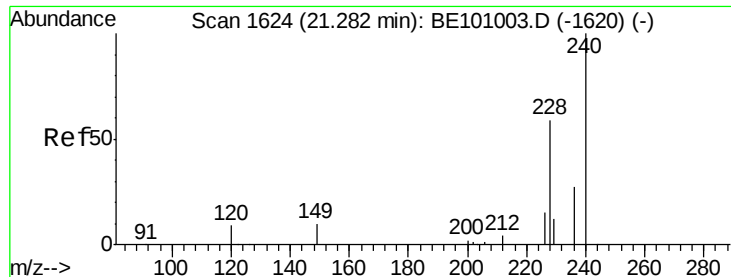
101 12.3 9.6 14.4

203 17.0 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: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

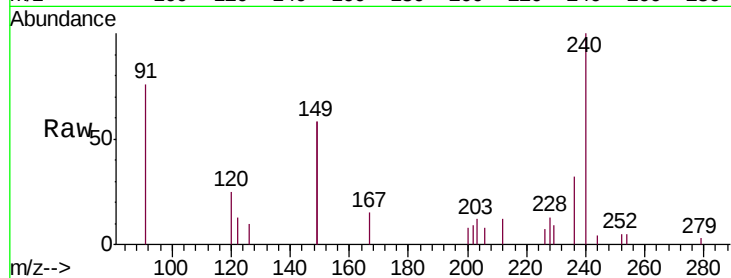
Tgt Ion:240 Resp: 25904

Ion Ratio Lower Upper

240 100

120 25.5 8.6 13.0#

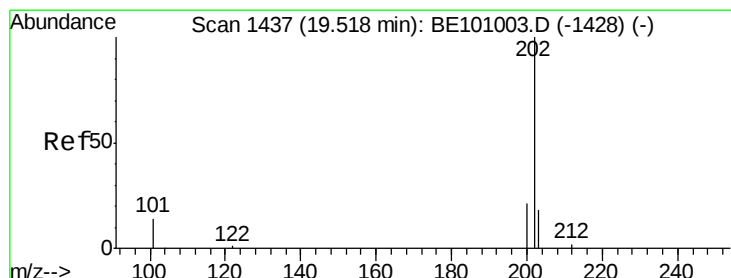
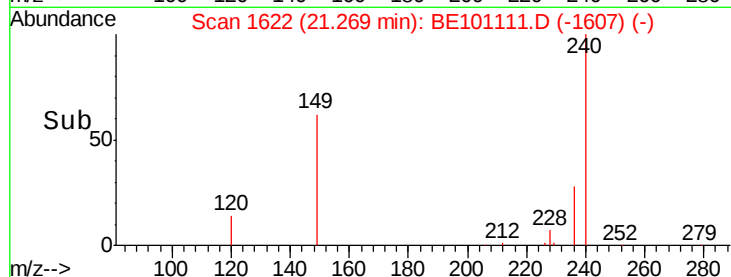
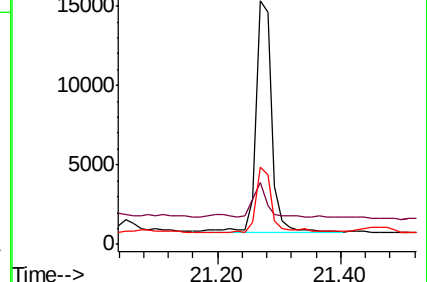
236 31.9 22.2 33.4



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: 0.402 ng

RT: 19.52 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

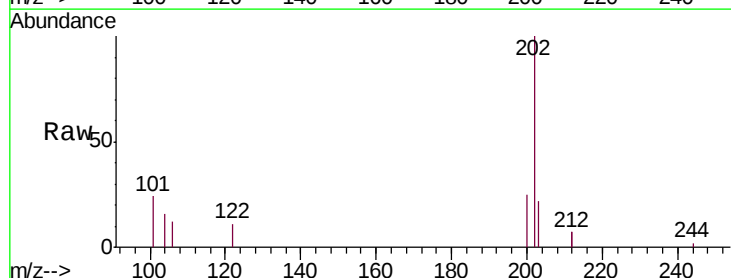
Tgt Ion:202 Resp: 38741

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

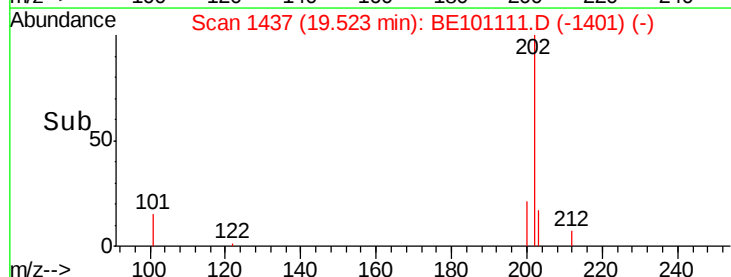
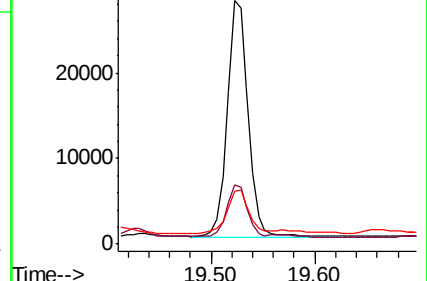
203 19.7 13.8 20.6

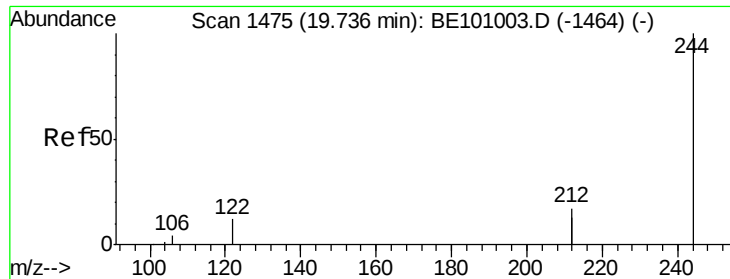


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.237 ng

RT: 19.73 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

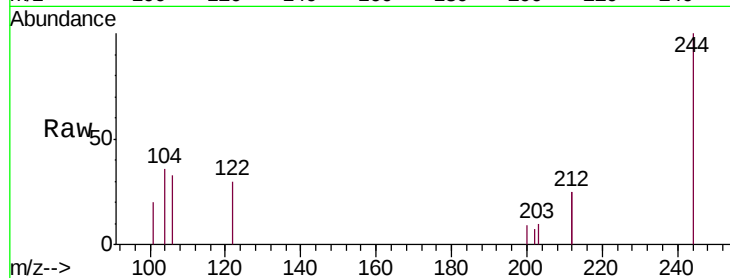
Tgt Ion:244 Resp: 15069

Ion Ratio Lower Upper

244 100

212 50.3 27.2 40.8#

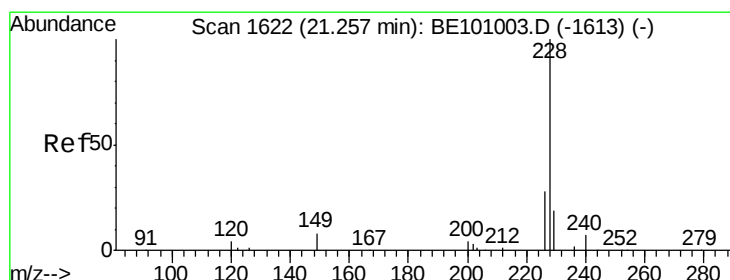
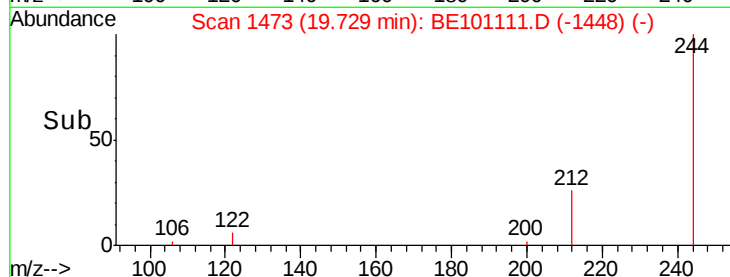
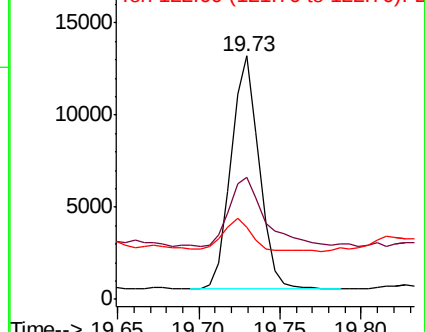
122 29.6 9.8 14.8#



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: 0.060 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

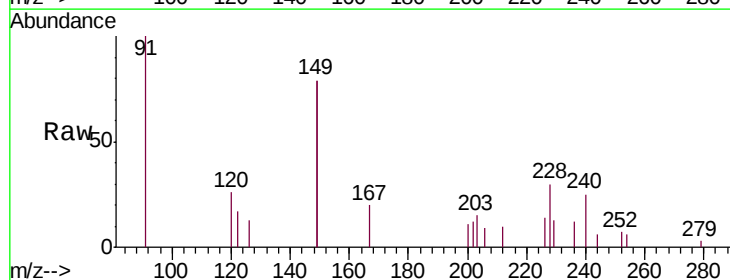
Tgt Ion:228 Resp: 4400

Ion Ratio Lower Upper

228 100

226 47.6 22.7 34.1#

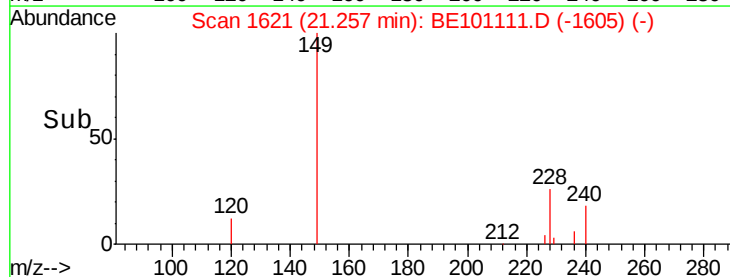
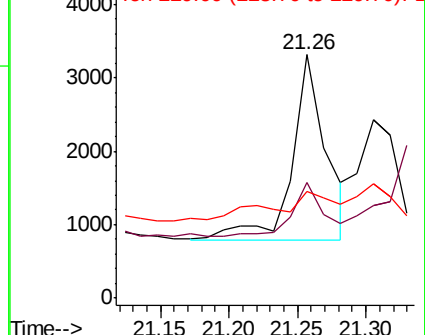
229 43.9 15.5 23.3#

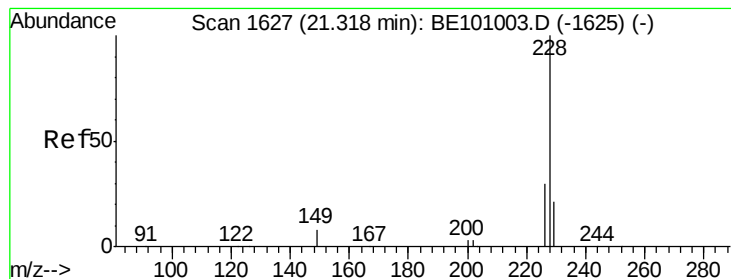


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.032 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

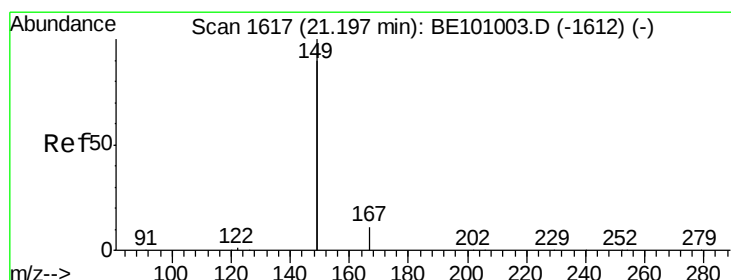
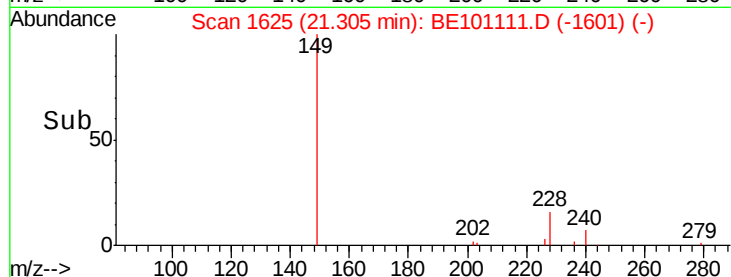
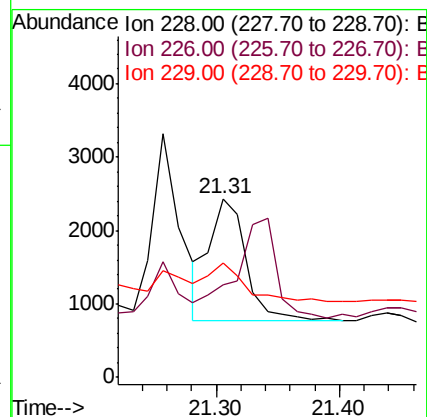
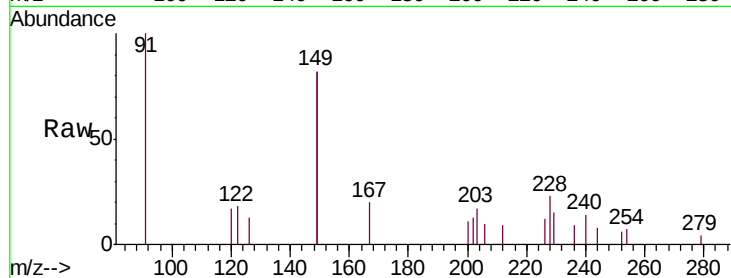
Tgt Ion:228 Resp: 3490

Ion Ratio Lower Upper

228 100

226 52.0 23.5 35.3#

229 63.8 16.7 25.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.392 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

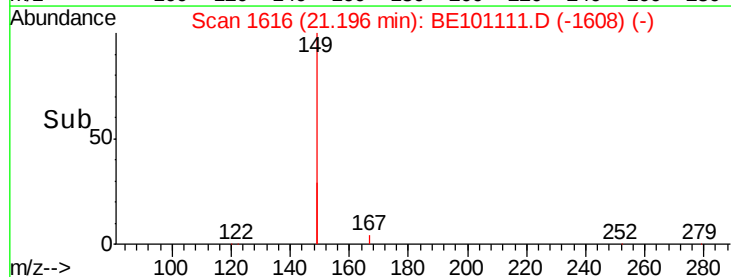
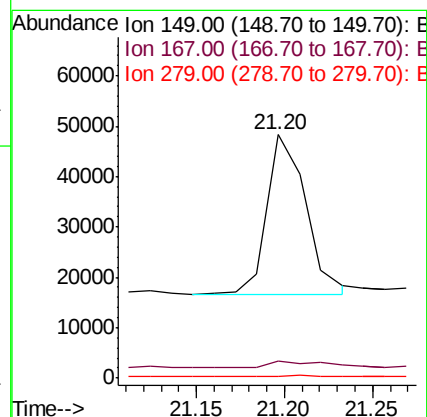
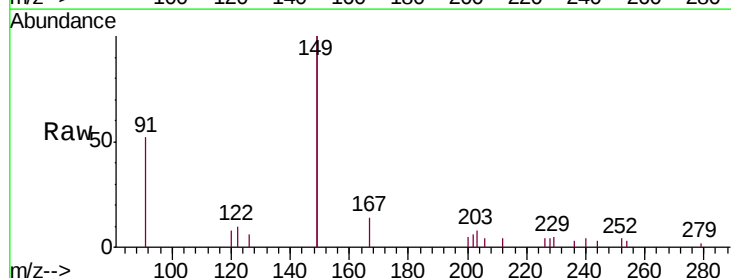
Tgt Ion:149 Resp: 48317

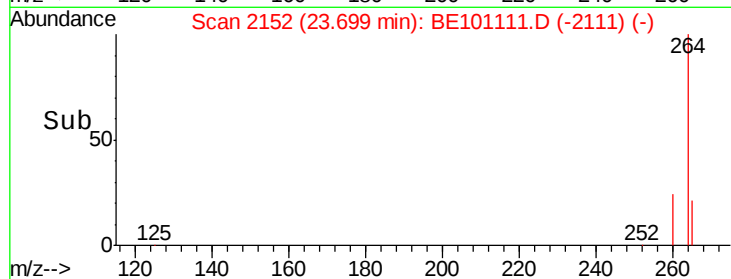
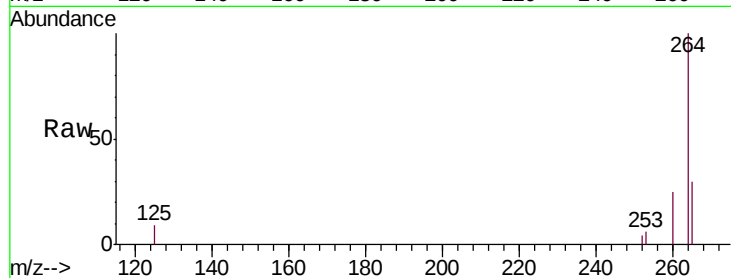
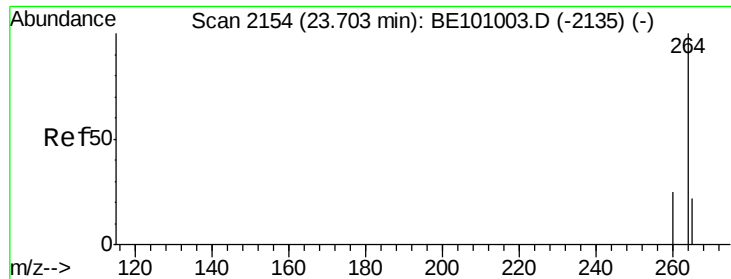
Ion Ratio Lower Upper

149 100

167 6.0 5.2 7.8

279 0.6 0.8 1.2#





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.70 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BE101111.D

Acq: 21 Jan 2020 15:56

Instrument :

BNA_E

ClientSampleId :

DUP-20200116

Tgt Ion:264 Resp: 28347

Ion Ratio Lower Upper

264 100

260 24.7 20.3 30.5

265 29.5 27.0 40.4

