

Data File : BE101107.D
Acq On : 21 Jan 2020 11:40
Operator : CG/JU
Sample : L1179-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SB-MW-16

Quant Time: Jan 22 07:56:14 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	7.71	152	1018	0.40	ng	-0.02
7) Naphthalene-d8	10.50	136	6707	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	16909	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	21043	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	24060	0.40	ng	-0.01
34) Perylene-d12	23.69	264	20097	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	3704	1.62	ng	-0.01
5) Phenol-d6	6.89	99	1695	0.58	ng	-0.02
8) Nitrobenzene-d5	8.85	82	1718	0.36	ng	-0.03
11) 2-Methylnaphthalene-d10	12.09	152	6693	0.52	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	2005	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.97	172	8586	0.13	ng	-0.03
25) Fluoranthene-d10	19.14	212	131237	0.45	ng	0.01
29) Terphenyl-d14	19.72	244	28422	0.48	ng	-0.01

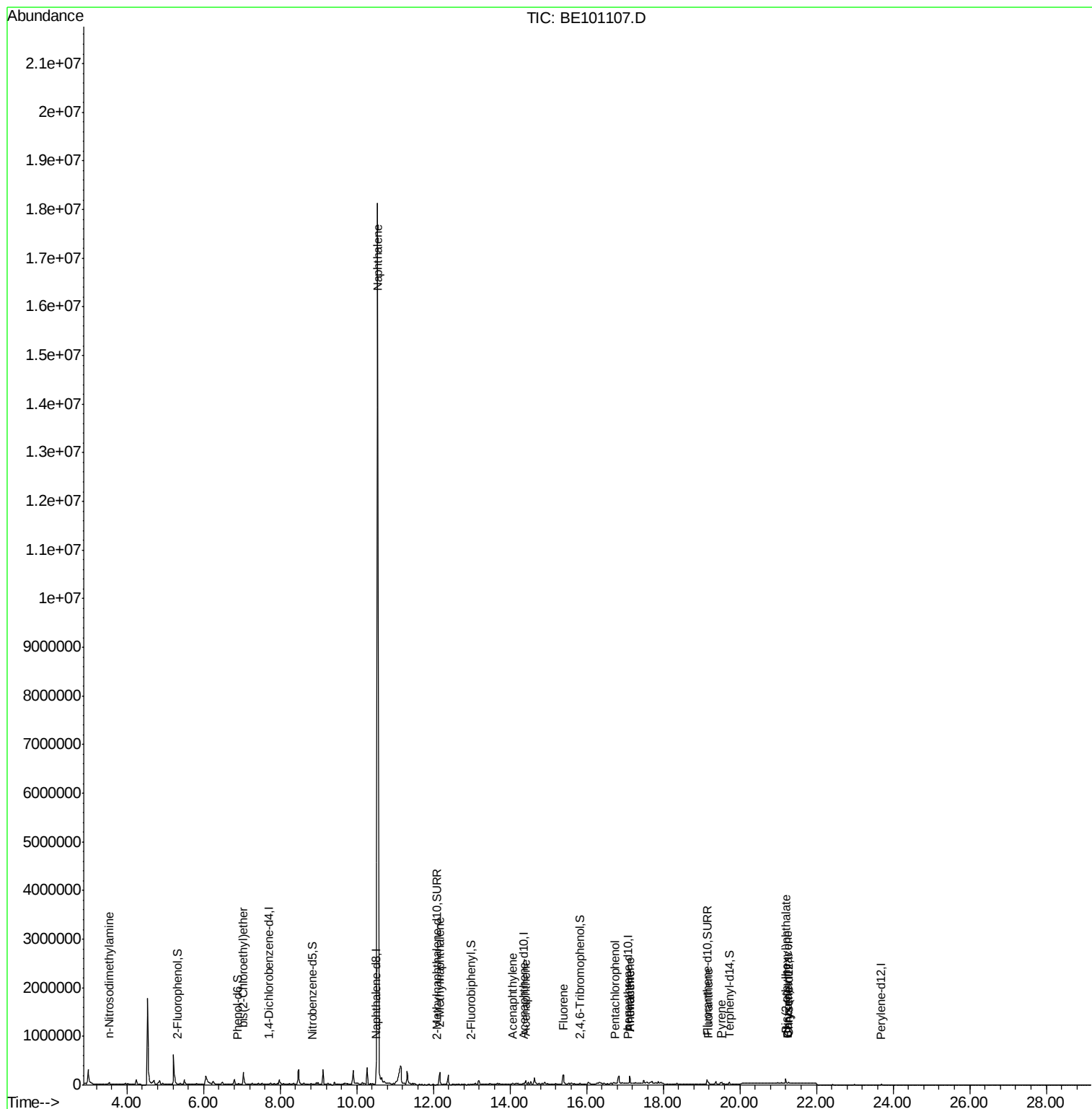
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.54	42	7992	5.650	ng	# 1
6) bis(2-Chloroethyl)ether	7.04	93	307790	89.155	ng	# 1
9) Naphthalene	10.55	128	33540412	450.375	ng	# 97
12) 2-Methylnaphthalene	12.17	142	192109	17.054	ng	96
16) Acenaphthylene	14.07	152	27345	0.397	ng	# 91
17) Acenaphthene	14.41	154	33900	0.688	ng	91
18) Fluorene	15.39	166	174595	2.802	ng	99
22) Pentachlorophenol	16.75	266	74	0.269	ng	# 78
23) Phenanthrene	17.12	178	181814	3.164	ng	98
24) Anthracene	17.12	178	181814	3.353	ng	98
26) Fluoranthene	19.18	202	31637	0.440	ng	98
28) Pyrene	19.52	202	23270	0.260	ng	# 92
30) Benzo(a)anthracene	21.26	228	3745	0.055	ng	# 46
31) Chrysene	21.26	228	3959	0.039	ng	# 49
32) Bis(2-ethylhexyl)phthalate	21.20	149	108967	0.952	ng	# 96

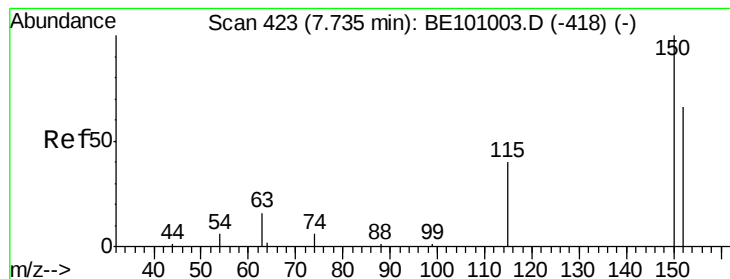
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.71 min Scan# 421

Delta R.T. -0.02 min

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Instrument :

BNA_E

ClientSampleId :

SB-MW-16

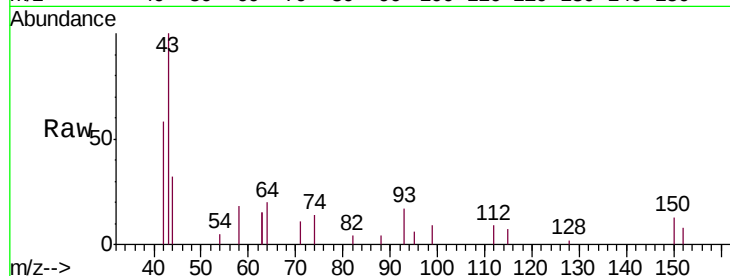
Tgt Ion:152 Resp: 1018

Ion Ratio Lower Upper

152 100

150 159.4 120.3 180.5

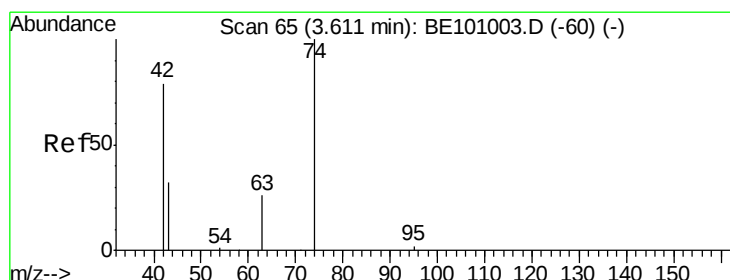
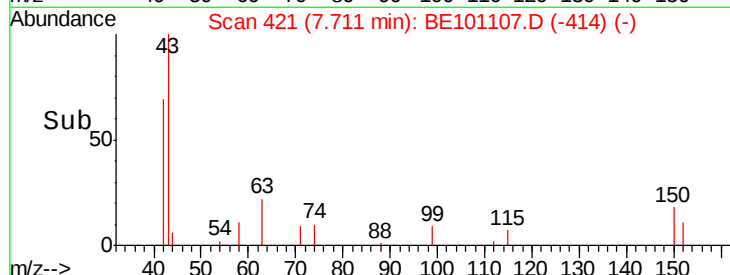
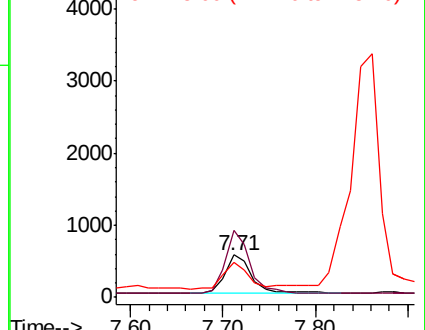
115 82.9 51.7 77.5#



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



#3

n-Nitrosodimethylamine

Concen: 5.650 ng

RT: 3.54 min Scan# 59

Delta R.T. -0.07 min

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Acq: 21 Jan 2020 11:40

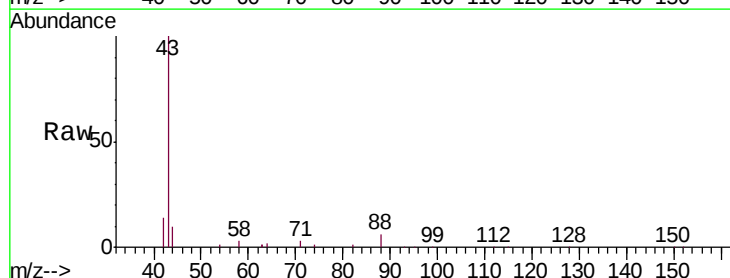
Tgt Ion: 42 Resp: 7992

Ion Ratio Lower Upper

42 100

74 8.7 105.7 158.5#

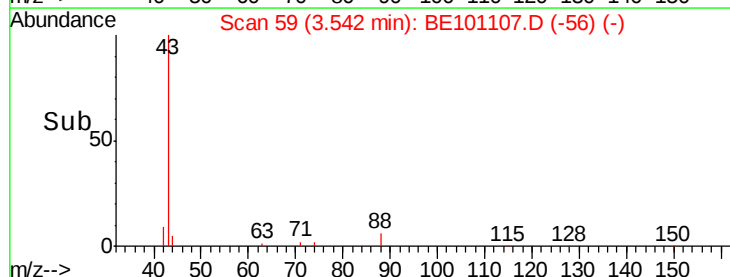
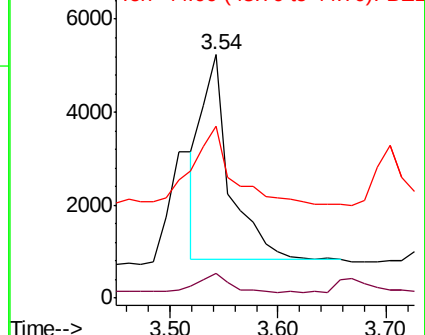
44 41.8 10.0 15.0#

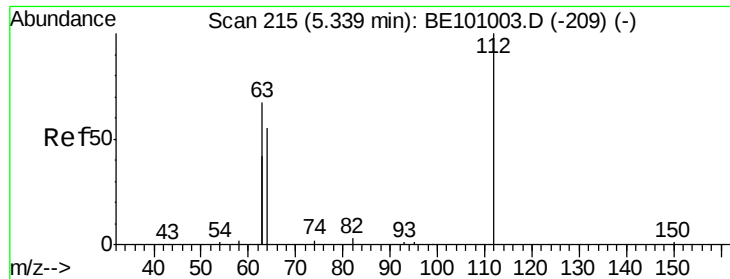


Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 1.617 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

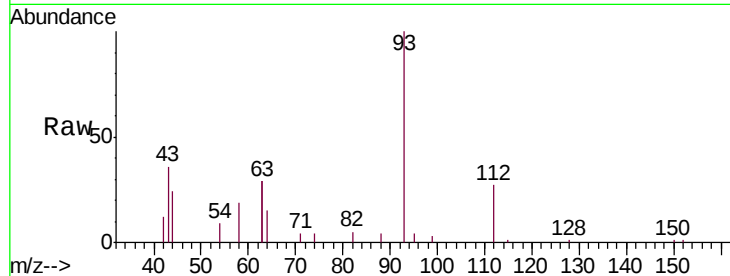
Tgt Ion: 112 Resp: 3704

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

200000

150000

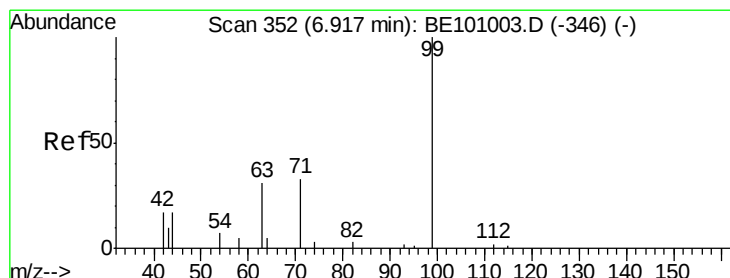
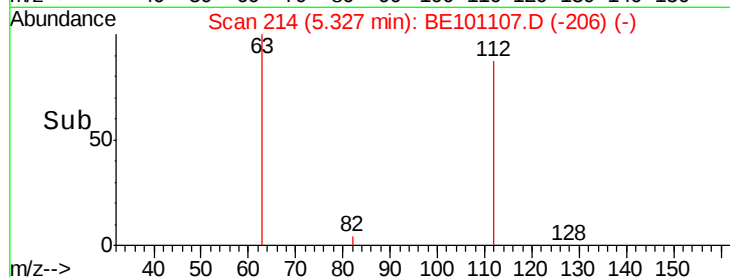
100000

50000

0

5.20 5.25 5.30 5.35 5.40

Time-->



#5

Phenol-d6

Concen: 0.585 ng

RT: 6.89 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

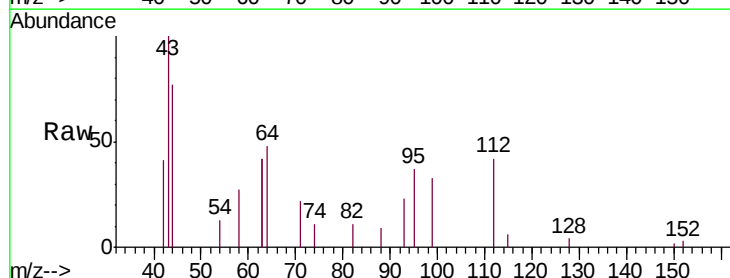
Tgt Ion: 99 Resp: 1695

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

30000

25000

20000

15000

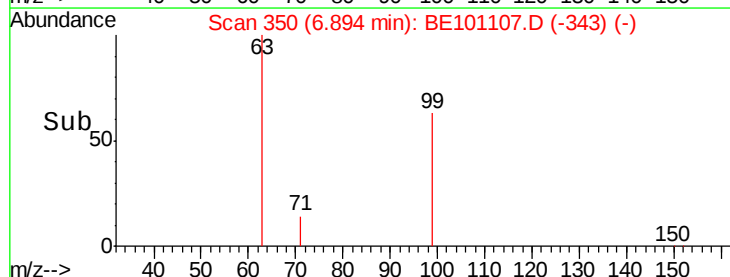
10000

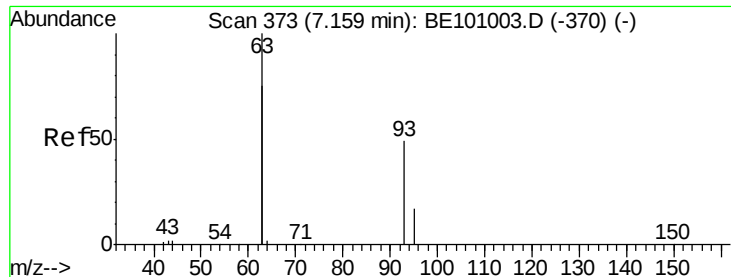
5000

0

6.80 6.90 7.00

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 89.155 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.12 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

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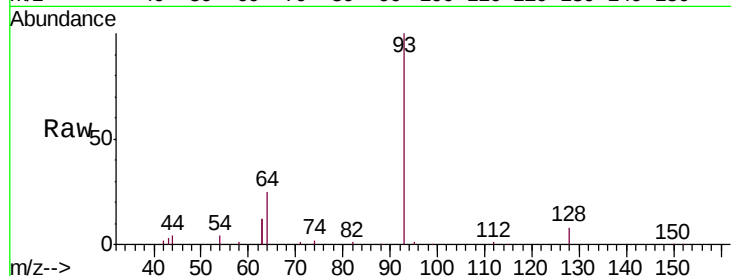
Tgt Ion: 93 Resp: 307790

Ion Ratio Lower Upper

93 100

63 25.8 233.9 350.9#

95 0.5 23.5 35.3#

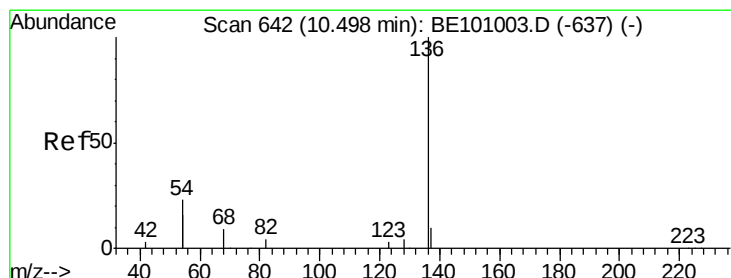
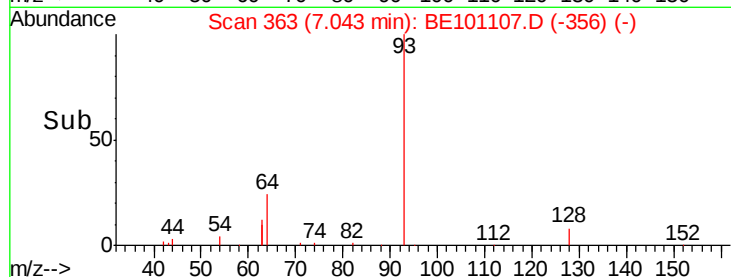
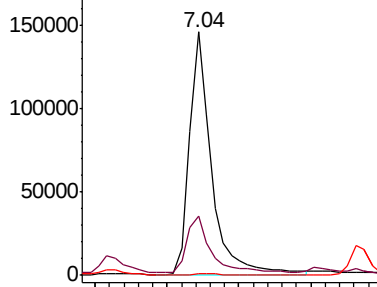


Abundance

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: BE101107.D

Acq: 21 Jan 2020 11:40

Tgt Ion: 136 Resp: 6707

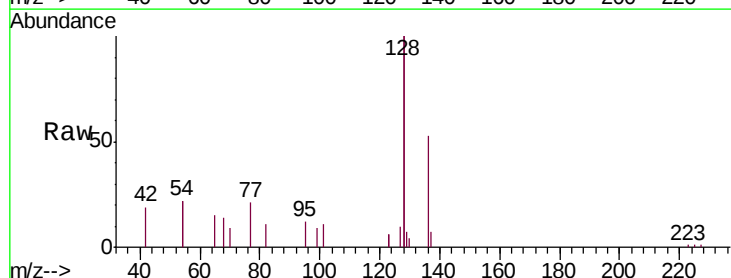
Ion Ratio Lower Upper

136 100

137 13.6 9.3 13.9

54 83.0 36.8 55.2#

68 26.9 8.4 12.6#



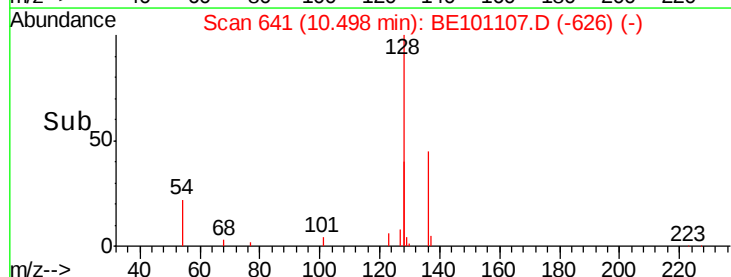
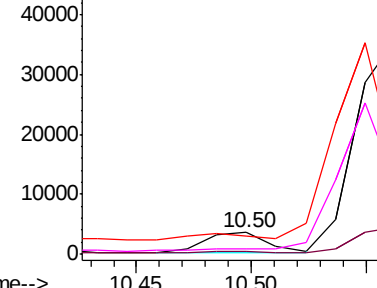
Abundance

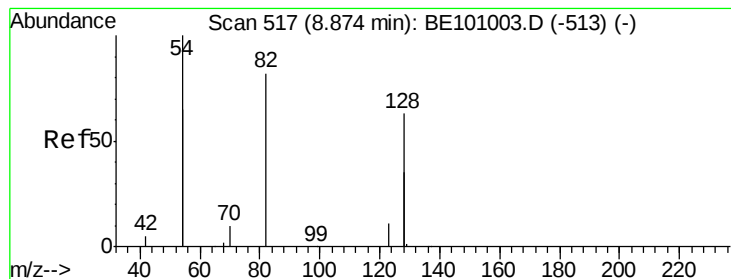
Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.358 ng

RT: 8.85 min Scan# 514

Delta R.T. -0.03 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

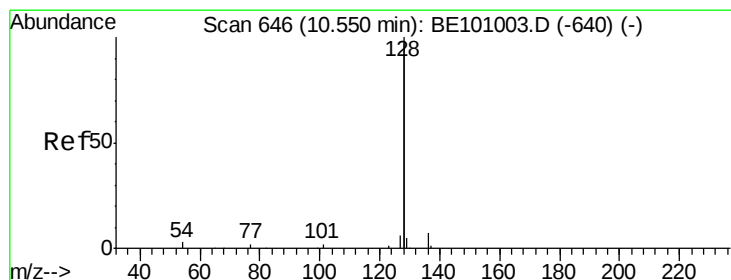
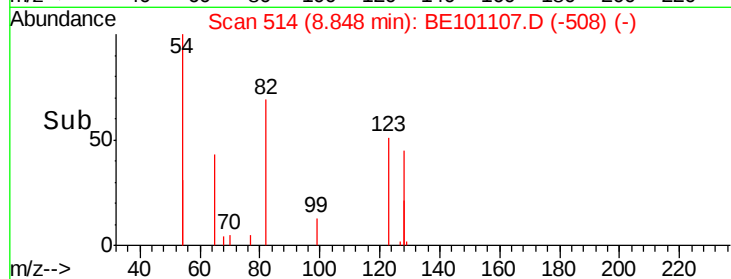
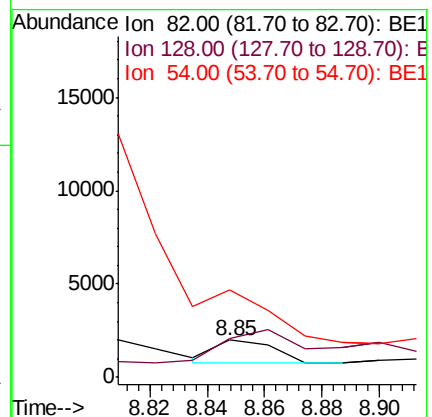
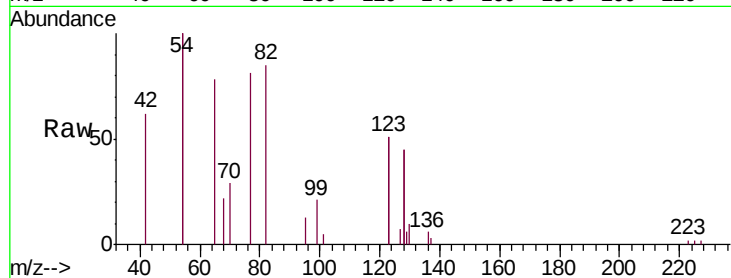
Tgt Ion: 82 Resp: 1718

Ion Ratio Lower Upper

82 100

128 105.1 109.8 164.6#

54 235.5 174.5 261.7



#9

Naphthalene

Concen: 450.375 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

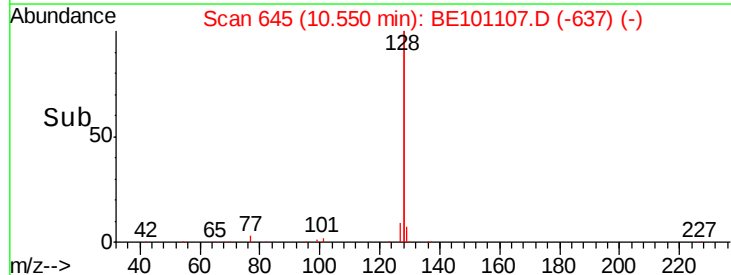
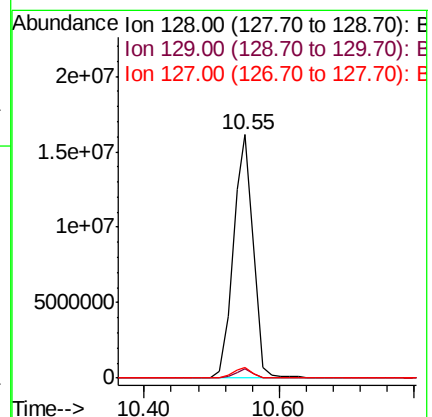
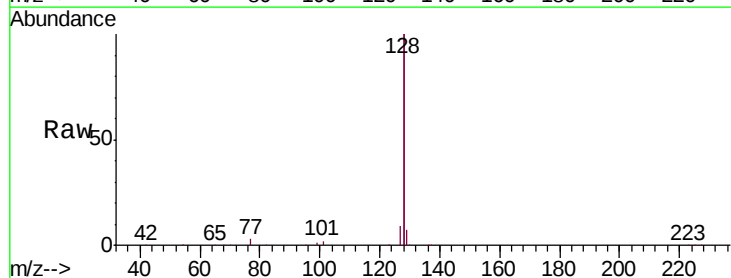
Tgt Ion: 128 Resp: 33540412

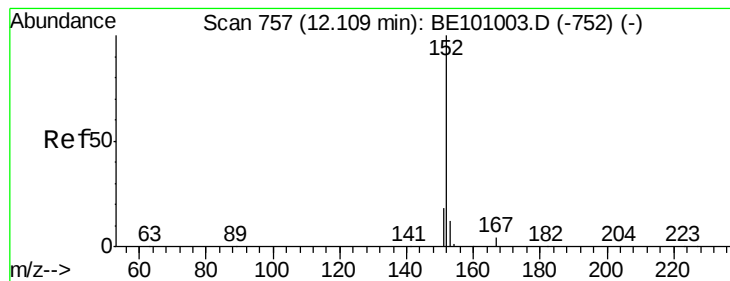
Ion Ratio Lower Upper

128 100

129 3.7 2.3 3.5#

127 4.4 2.7 4.1#





#11

2-Methylnaphthalene-d10

Concen: 0.523 ng

RT: 12.09 min Scan# 755

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

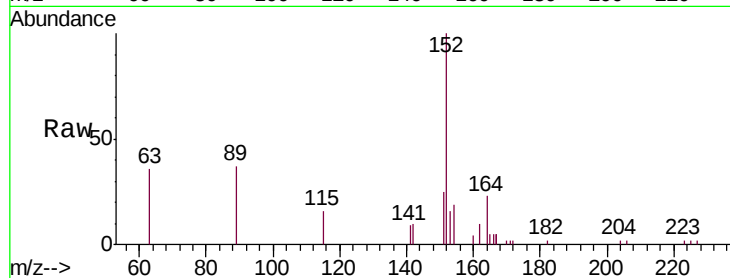
SB-MW-16

Tgt Ion:152 Resp: 6693

Ion Ratio Lower Upper

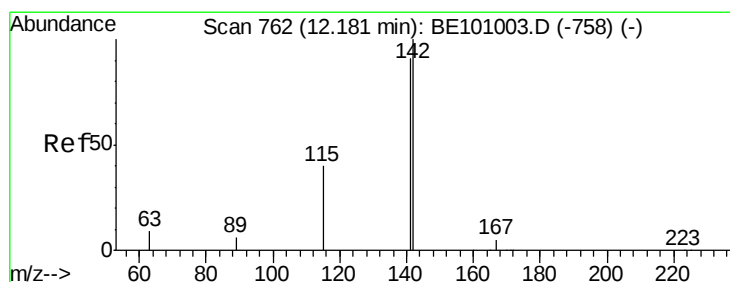
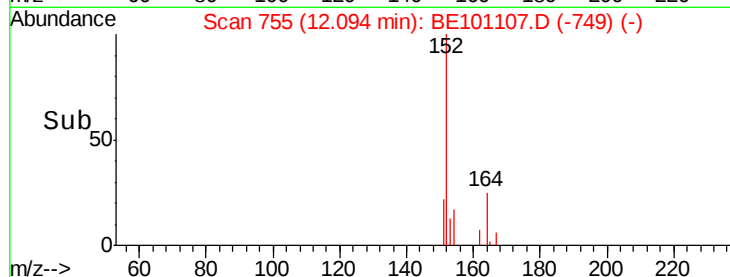
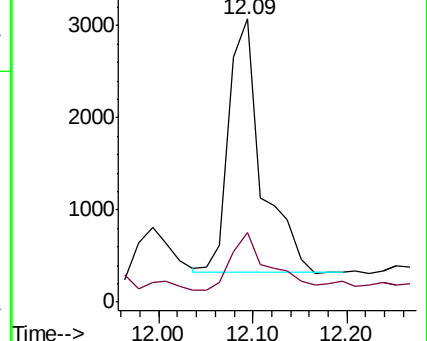
152 100

151 26.7 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: 17.054 ng

RT: 12.17 min Scan# 760

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

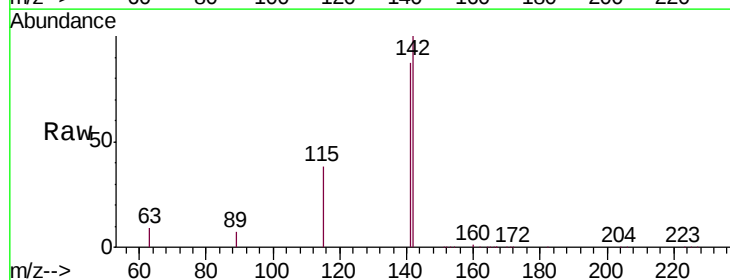
Tgt Ion:142 Resp: 192109

Ion Ratio Lower Upper

142 100

141 87.2 72.5 108.7

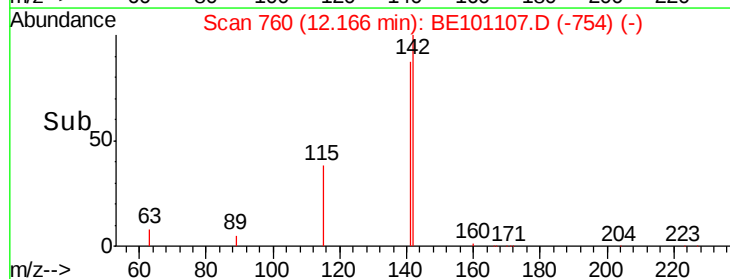
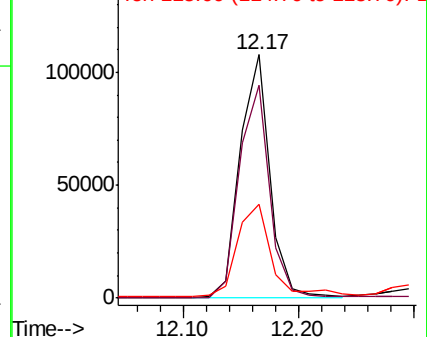
115 38.4 33.0 49.6

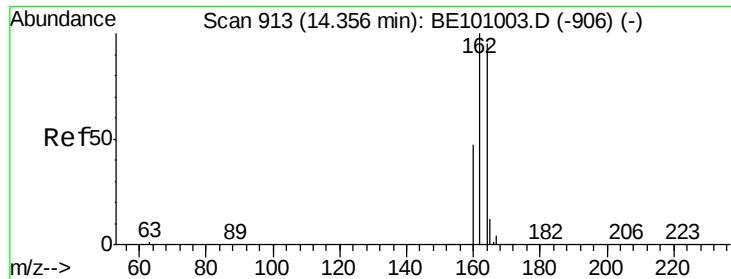


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

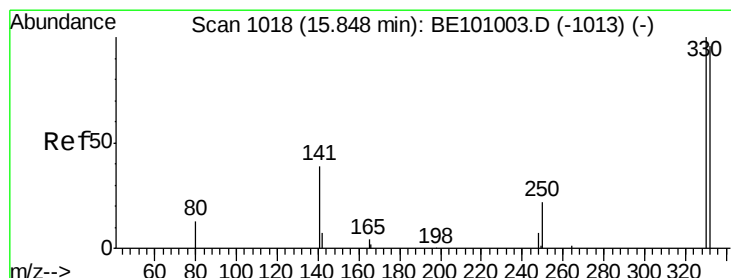
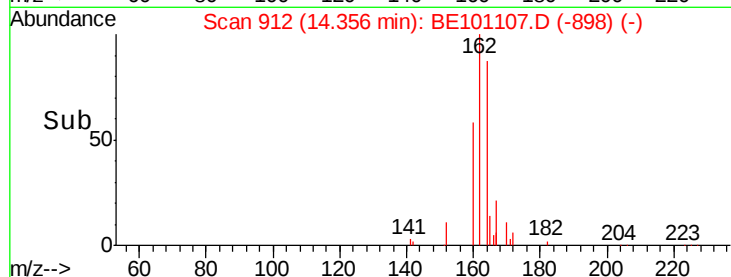
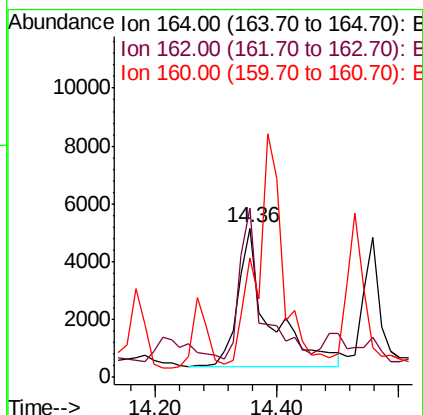
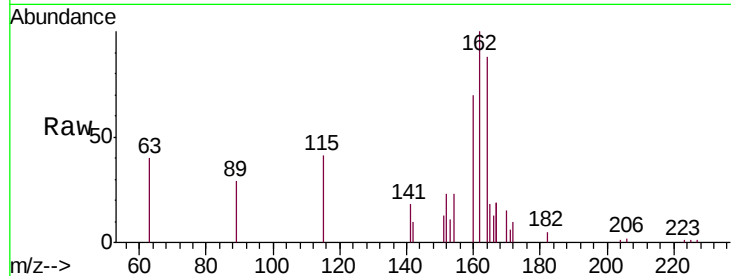




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101107.D
Acq: 21 Jan 2020 11:40

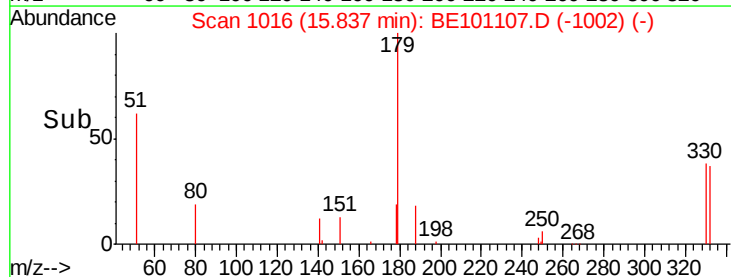
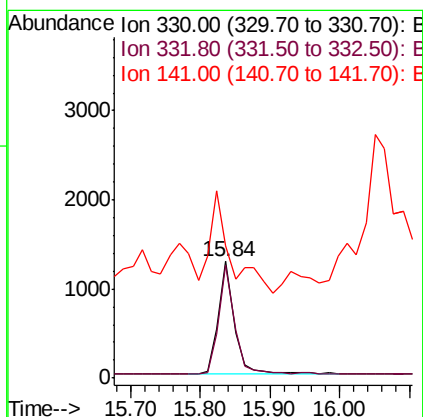
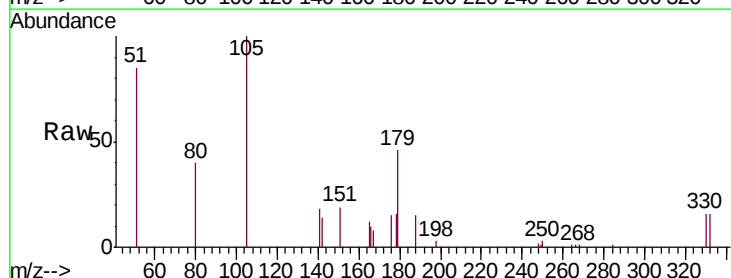
Instrument :
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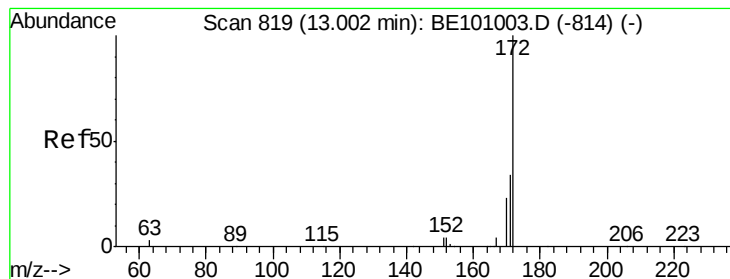
Tgt Ion:164 Resp: 16909
Ion Ratio Lower Upper
164 100
162 113.8 84.1 126.1
160 80.2 40.4 60.6#



#14
2,4,6-Tribromophenol
Concen: 0.420 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101107.D
Acq: 21 Jan 2020 11:40

Tgt Ion:330 Resp: 2005
Ion Ratio Lower Upper
330 100
332 96.3 78.4 117.6
141 116.2 37.0 55.4#





#15

2-Fluorobiphenyl

Concen: 0.134 ng

RT: 12.97 min Scan# 816

Delta R.T. -0.03 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

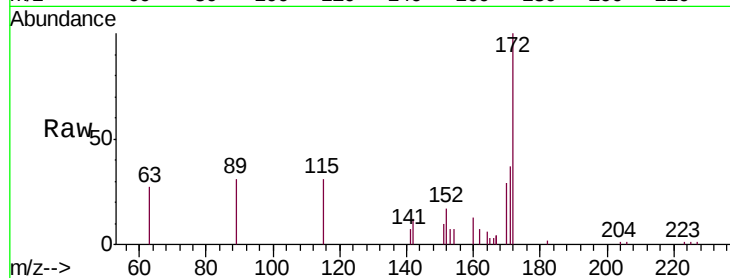
Tgt Ion:172 Resp: 8586

Ion Ratio Lower Upper

172 100

171 36.9 28.2 42.2

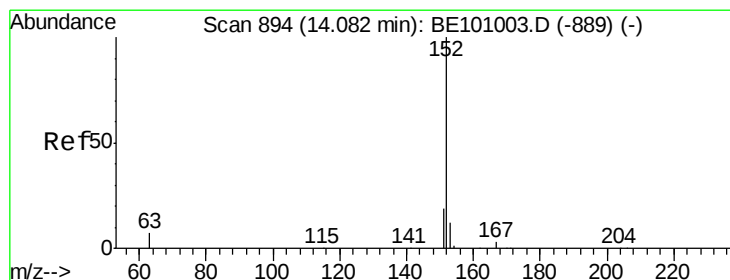
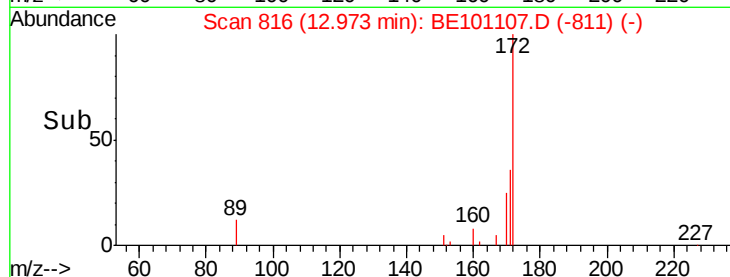
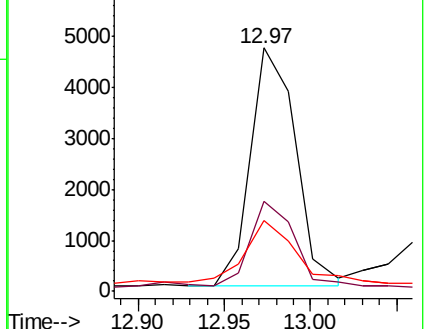
170 28.9 18.9 28.3#



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



#16

Acenaphthylene

Concen: 0.397 ng

RT: 14.07 min Scan# 892

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

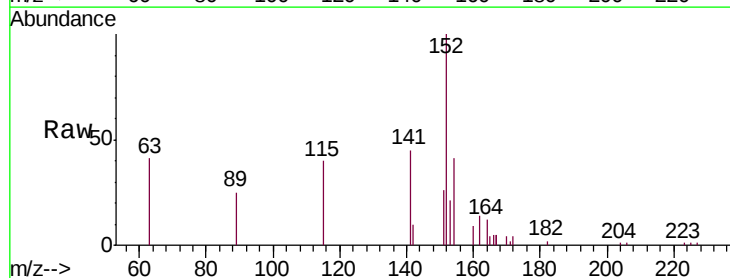
Tgt Ion:152 Resp: 27345

Ion Ratio Lower Upper

152 100

151 25.4 15.5 23.3#

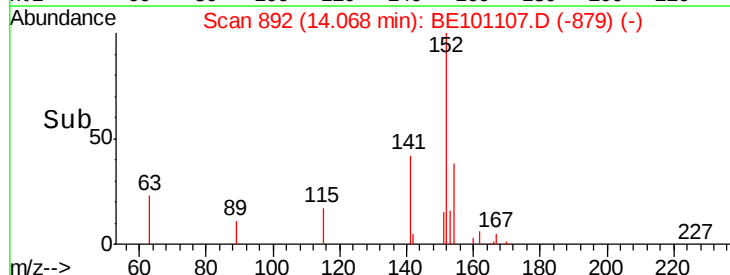
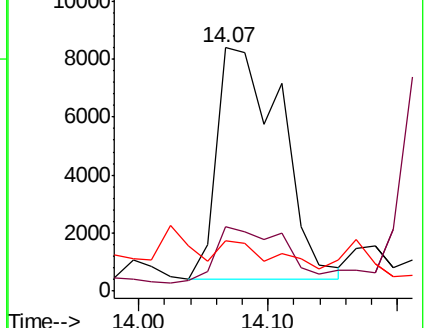
153 11.8 10.4 15.6

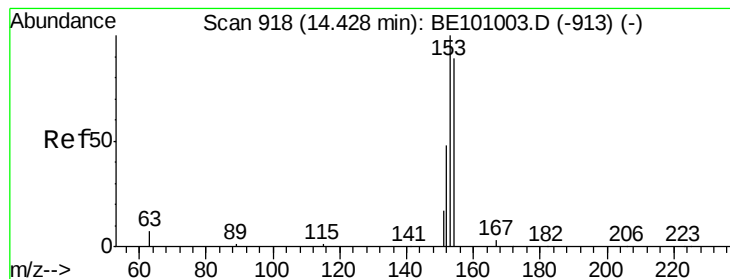


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.688 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

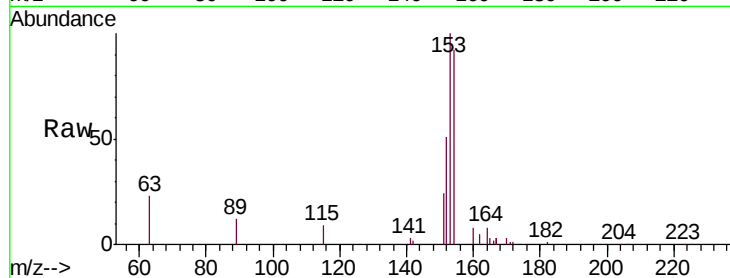
Tgt Ion:154 Resp: 33900

Ion Ratio Lower Upper

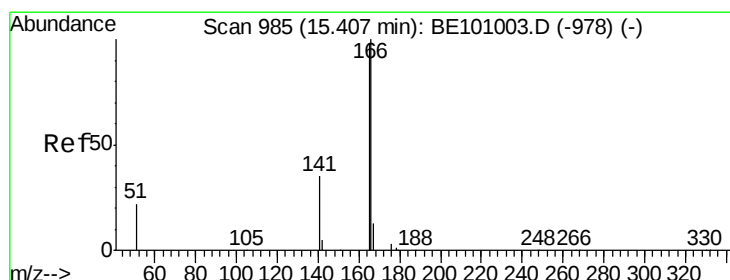
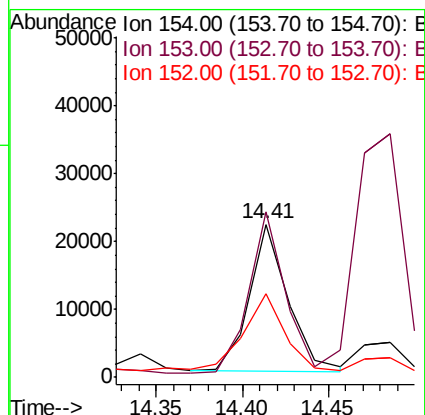
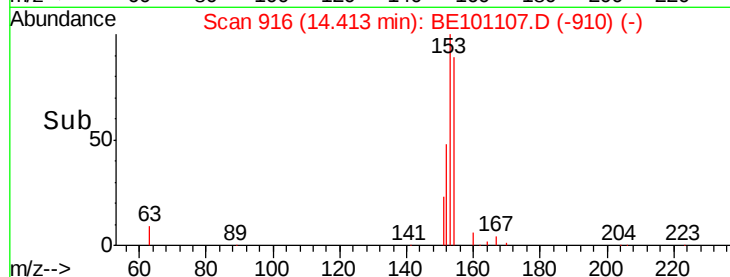
154 100

153 103.3 93.6 140.4

152 56.1 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: 2.802 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

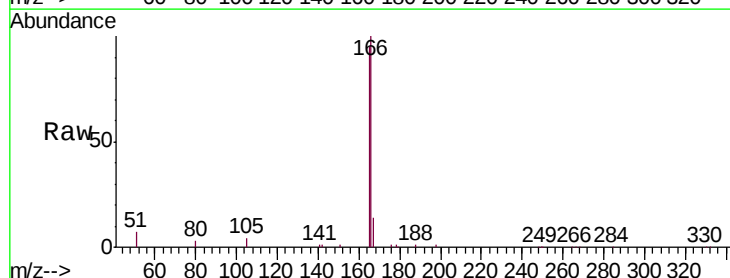
Tgt Ion:166 Resp: 174595

Ion Ratio Lower Upper

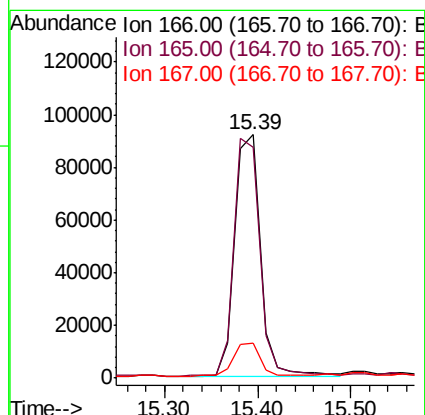
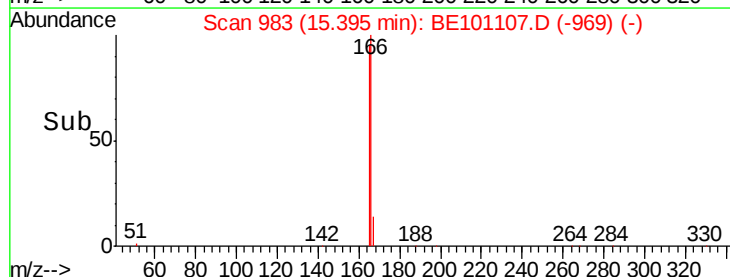
166 100

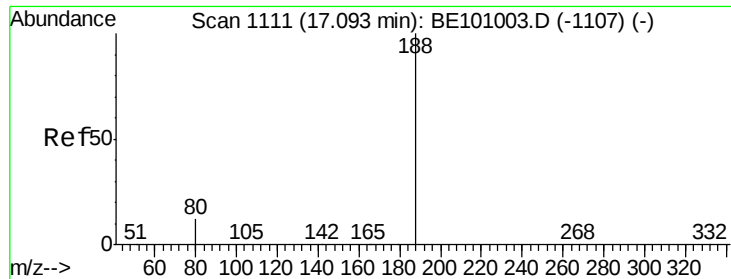
165 99.5 79.8 119.8

167 14.7 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: 17.08 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

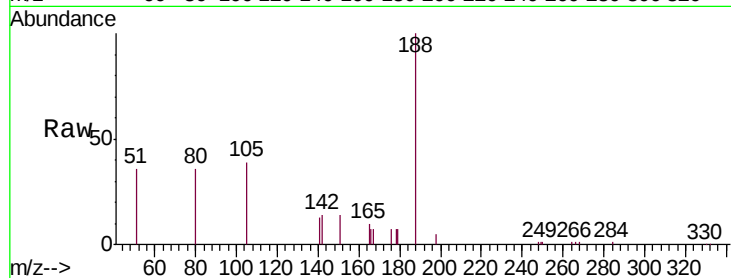
Tgt Ion:188 Resp: 21043

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

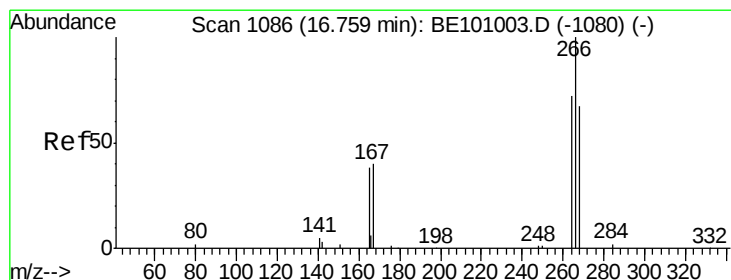
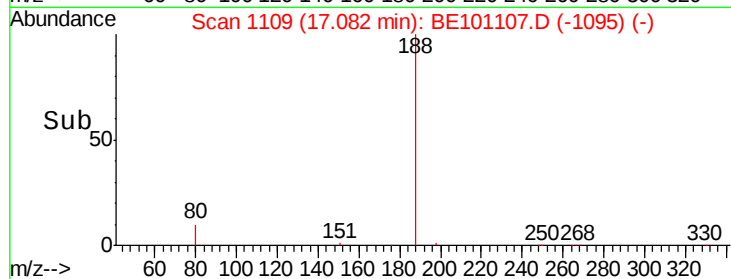
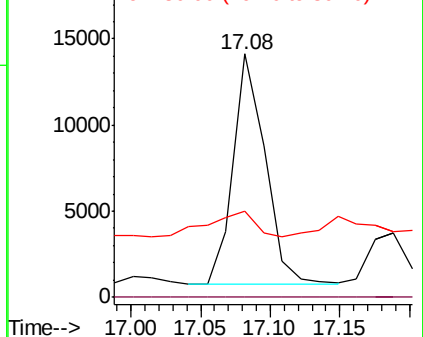
80 35.6 10.8 16.2#



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: 0.269 ng

RT: 16.75 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

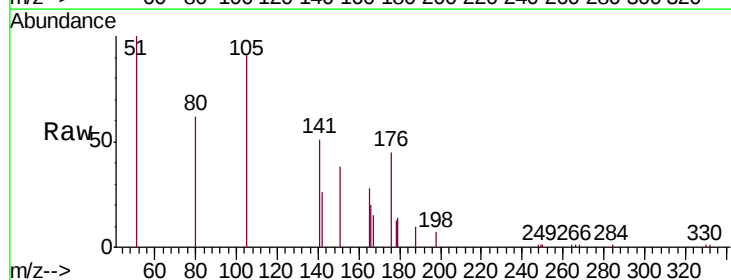
Tgt Ion:266 Resp: 74

Ion Ratio Lower Upper

266 100

264 86.0 61.0 91.4

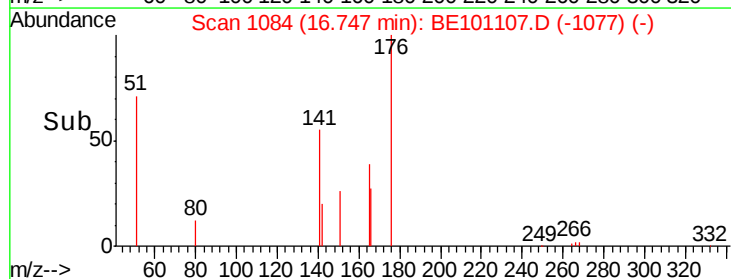
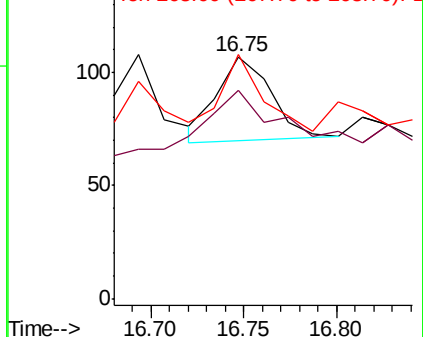
268 100.9 58.5 87.7#

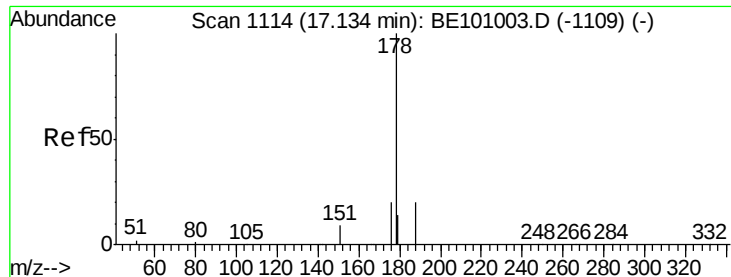


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.164 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

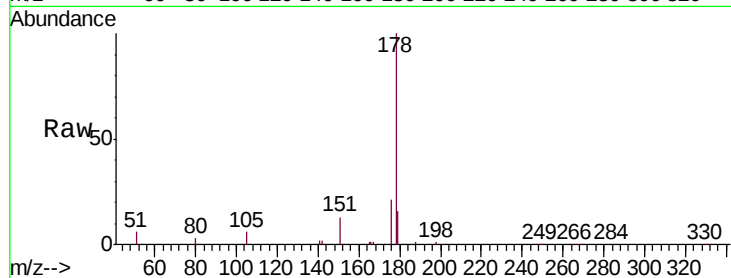
Tgt Ion:178 Resp: 181814

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

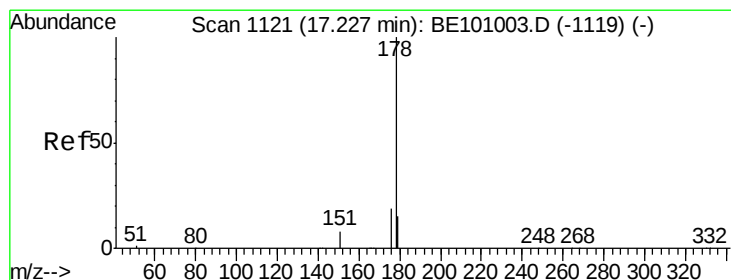
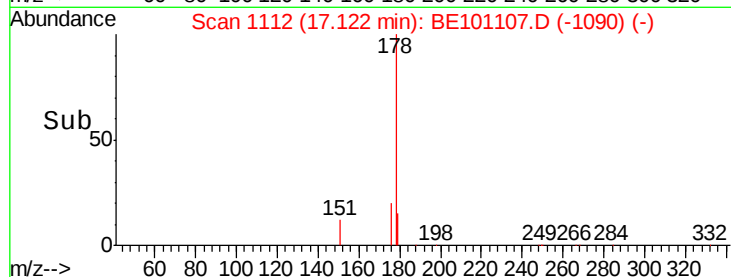
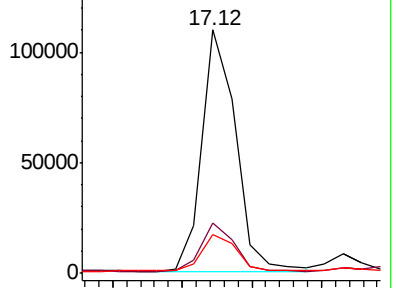
179 16.6 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

150000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 3.353 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.11 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

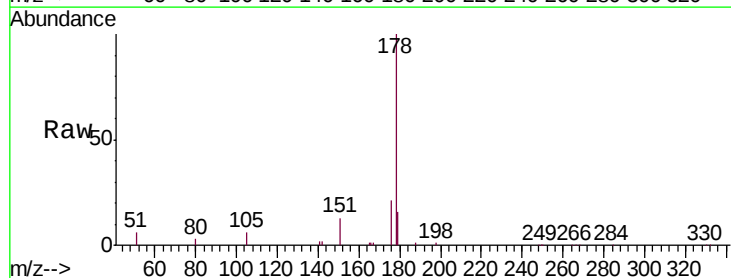
Tgt Ion:178 Resp: 181814

Ion Ratio Lower Upper

178 100

176 19.3 14.8 22.2

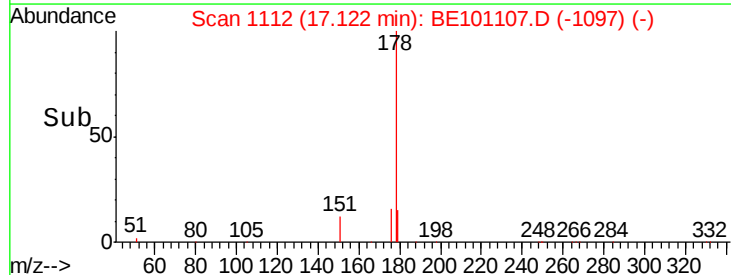
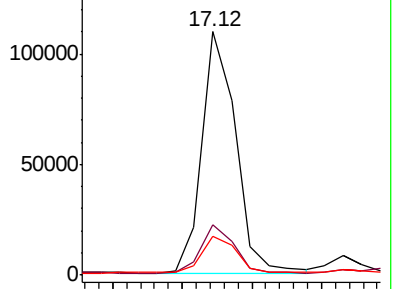
179 16.6 12.4 18.6

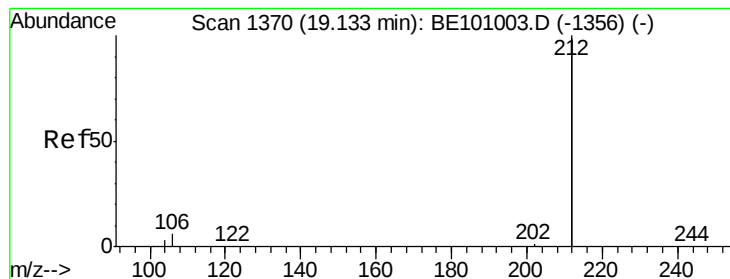


Abundance Ion 178.00 (177.70 to 178.70): E

150000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.449 ng

RT: 19.14 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

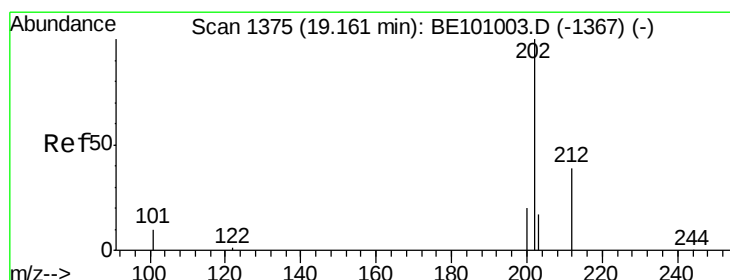
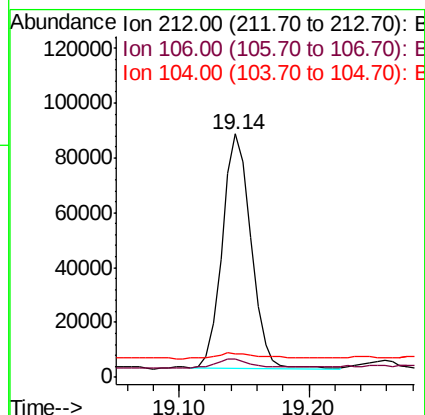
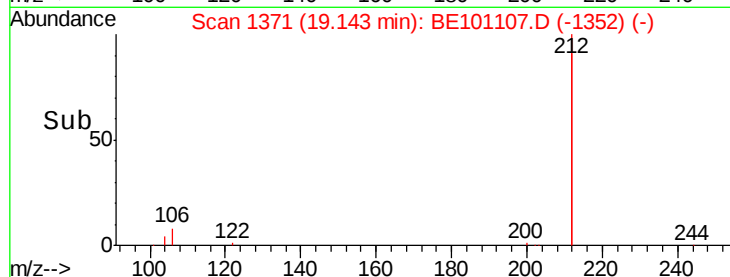
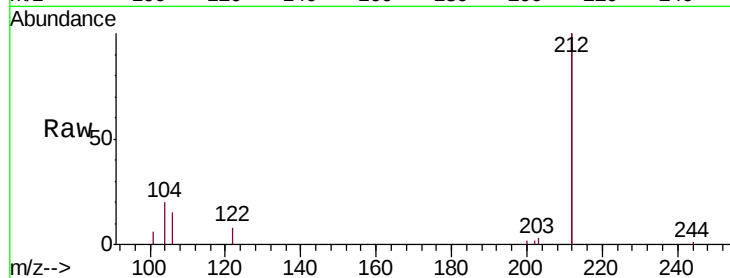
Tgt Ion:212 Resp: 131237

Ion Ratio Lower Upper

212 100

106 5.8 2.6 3.8#

104 3.6 1.4 2.0#



#26

Fluoranthene

Concen: 0.440 ng

RT: 19.18 min Scan# 1377

Delta R.T. 0.02 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

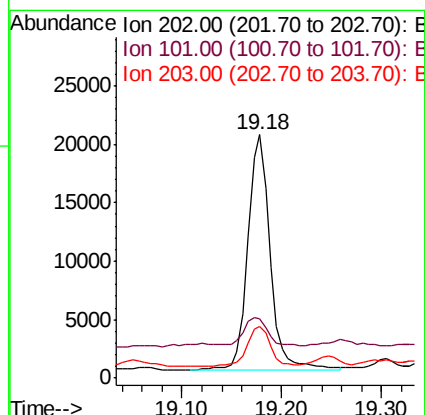
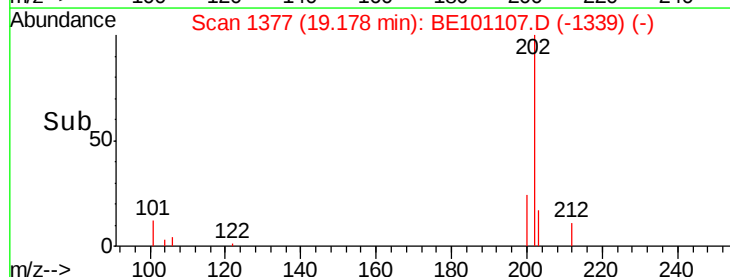
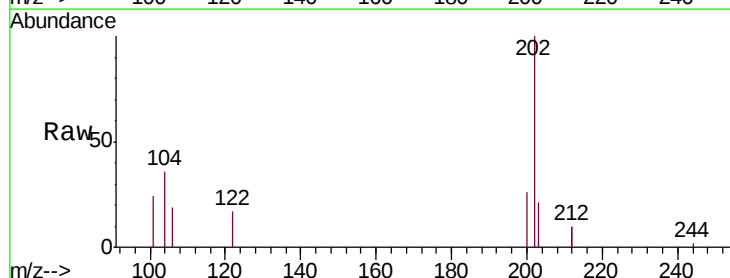
Tgt Ion:202 Resp: 31637

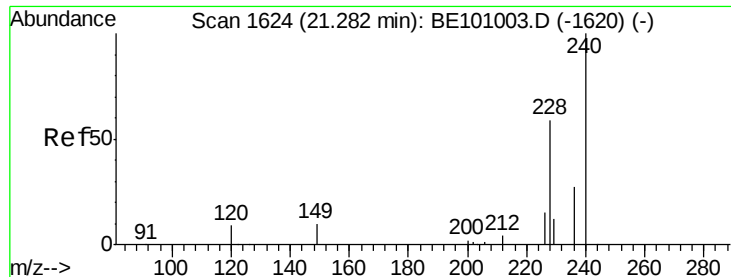
Ion Ratio Lower Upper

202 100

101 12.6 9.6 14.4

203 18.1 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

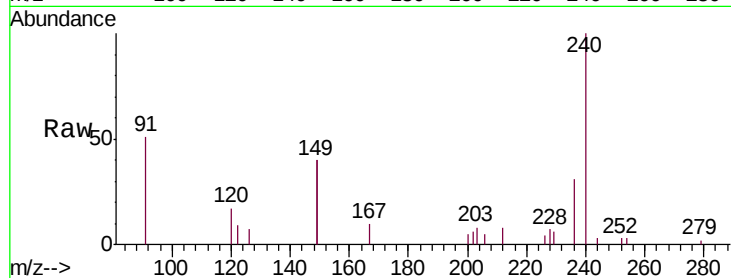
Tgt Ion:240 Resp: 24060

Ion Ratio Lower Upper

240 100

120 17.1 8.6 13.0#

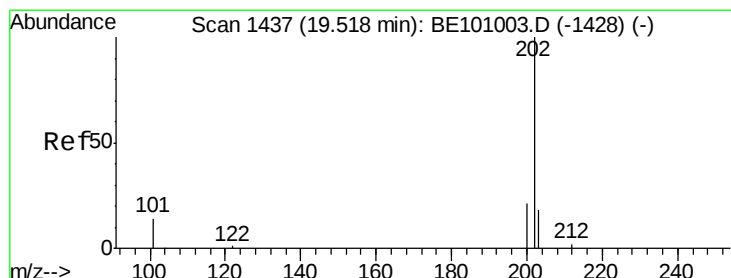
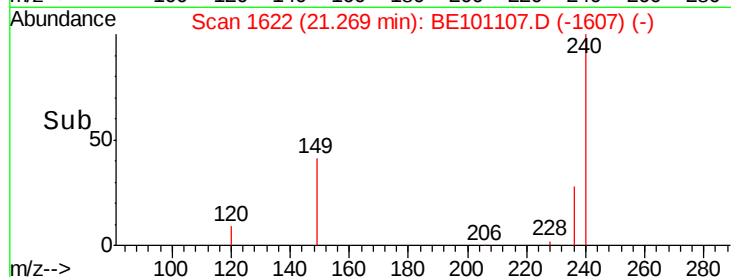
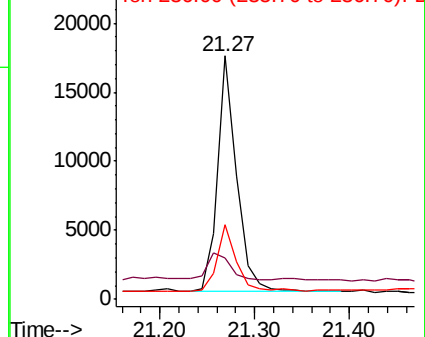
236 30.6 22.2 33.4



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: 0.260 ng

RT: 19.52 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

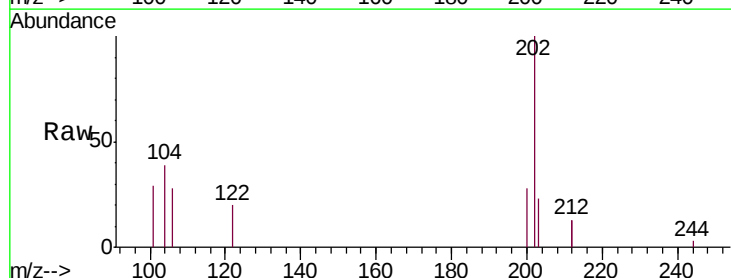
Tgt Ion:202 Resp: 23270

Ion Ratio Lower Upper

202 100

200 24.2 17.0 25.4

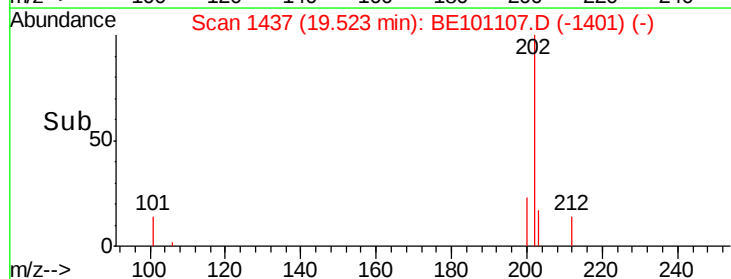
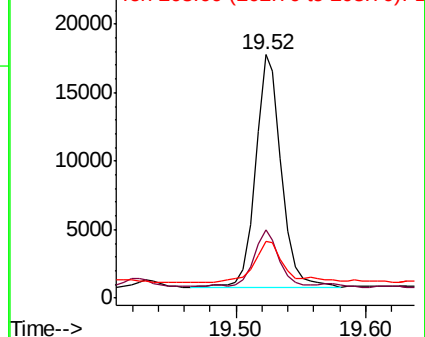
203 21.9 13.8 20.6#

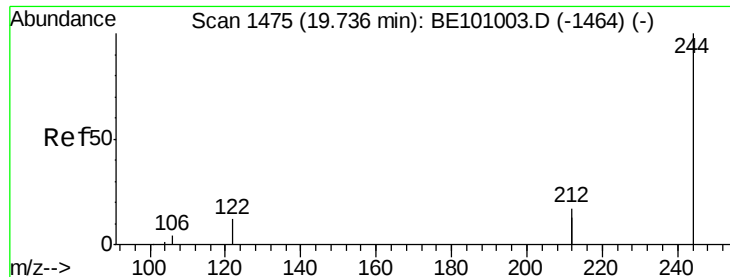


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.481 ng

RT: 19.72 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

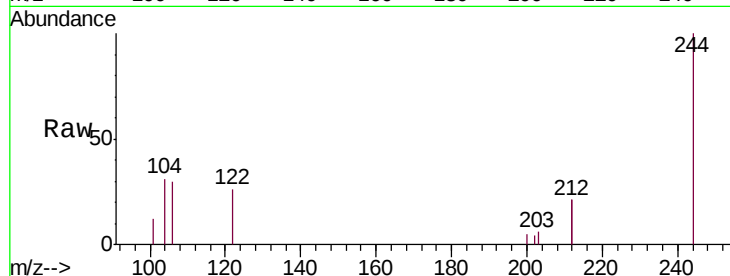
Tgt Ion:244 Resp: 28422

Ion Ratio Lower Upper

244 100

212 42.5 27.2 40.8#

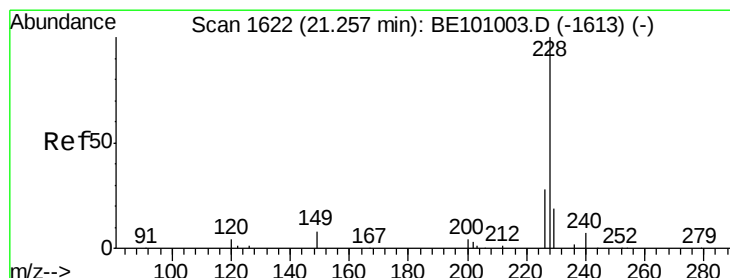
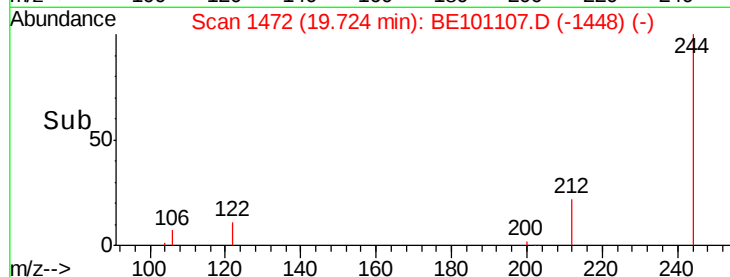
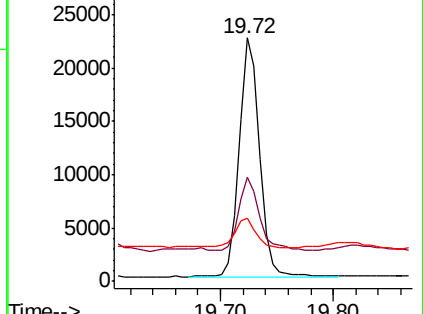
122 25.8 9.8 14.8#



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: 0.055 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

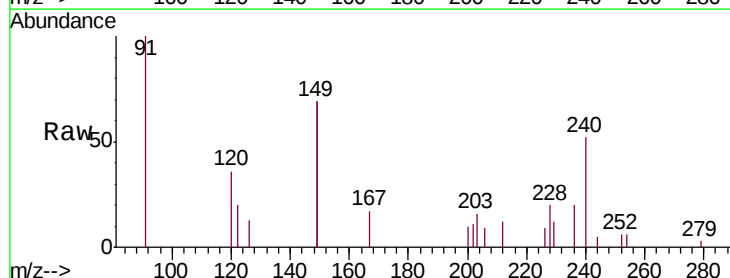
Tgt Ion:228 Resp: 3745

Ion Ratio Lower Upper

228 100

226 45.5 22.7 34.1#

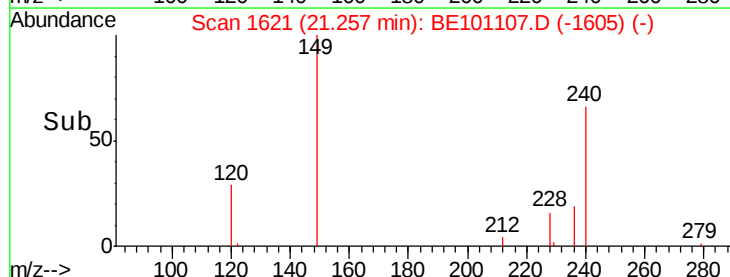
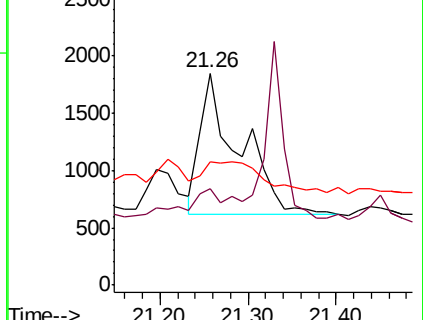
229 58.1 15.5 23.3#

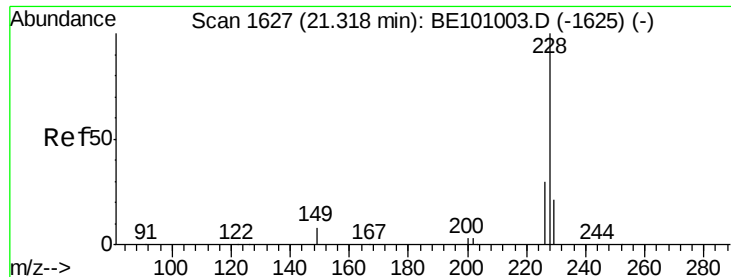


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.039 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.06 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

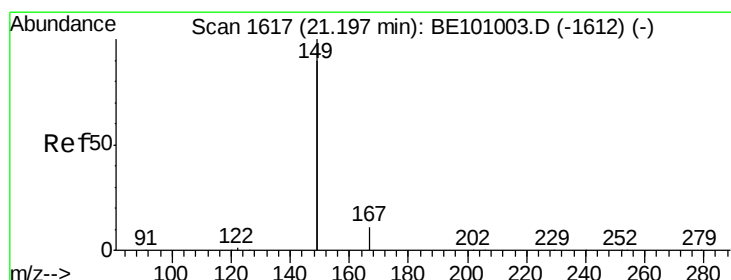
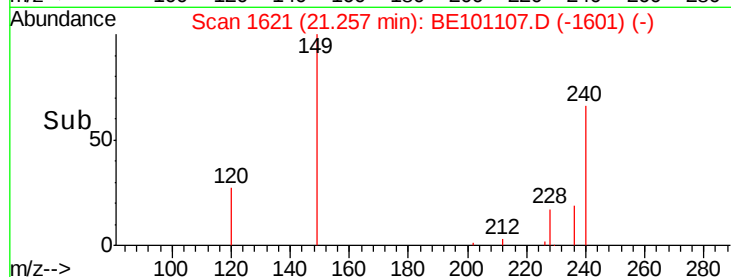
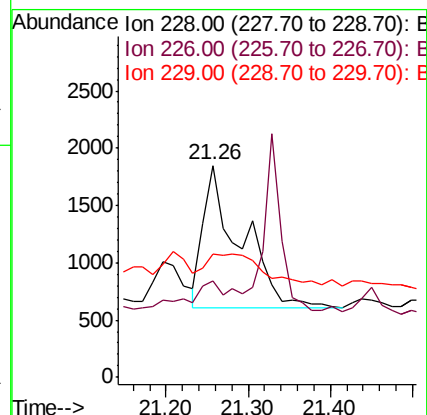
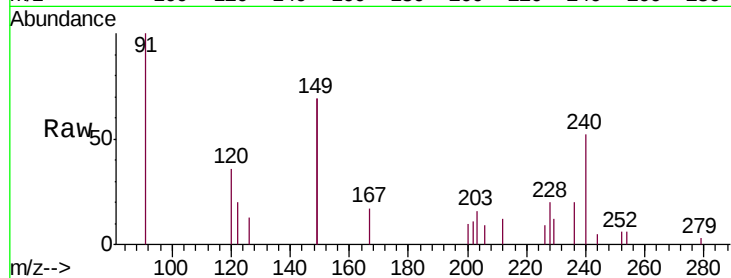
Tgt Ion:228 Resp: 3959

Ion Ratio Lower Upper

228 100

226 45.5 23.5 35.3#

229 58.1 16.7 25.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.952 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

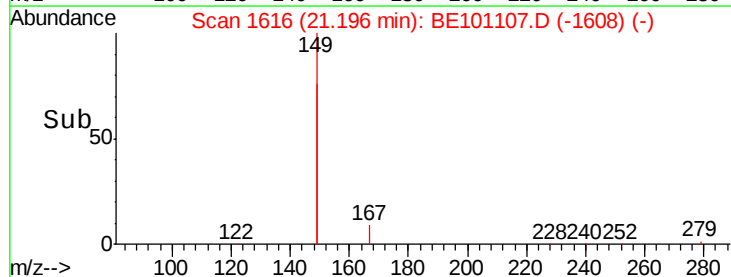
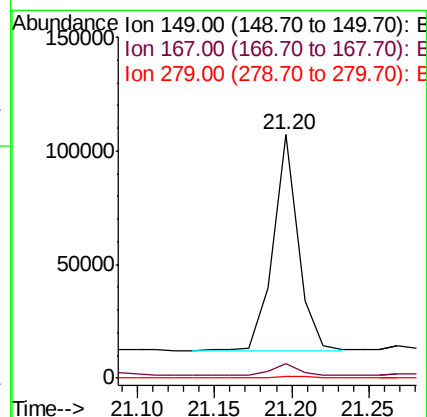
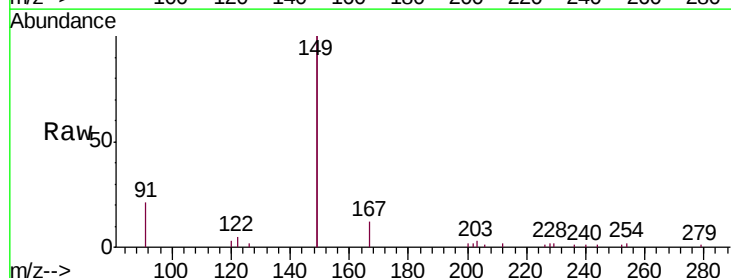
Tgt Ion:149 Resp: 108967

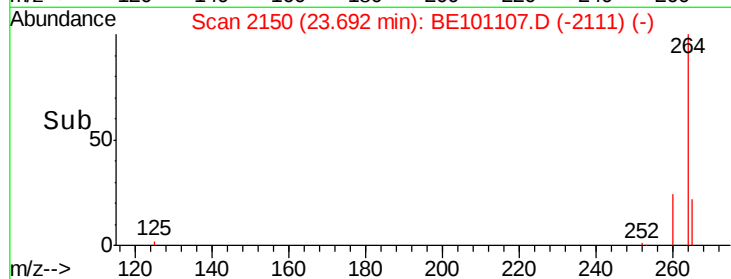
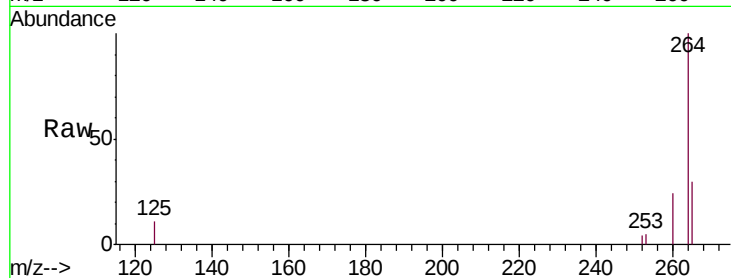
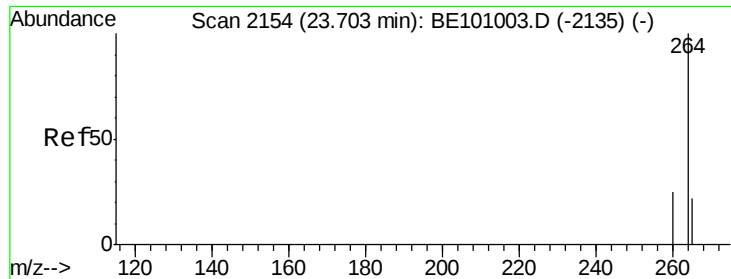
Ion Ratio Lower Upper

149 100

167 5.0 5.2 7.8#

279 0.7 0.8 1.2#





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.69 min Scan# 2150

Delta R.T. -0.01 min

Lab File: BE101107.D

Acq: 21 Jan 2020 11:40

Instrument :

BNA_E

ClientSampleId :

SB-MW-16

Tgt Ion:264 Resp: 20097

Ion Ratio Lower Upper

264 100

260 24.3 20.3 30.5

265 29.5 27.0 40.4

