

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
 Data File : BE101248.D
 Acq On : 8 Apr 2021 16:11
 Operator : CG/JU
 Sample : M1977-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GWBR1-175-200-040721

Quant Time: Apr 08 17:49:32 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE040621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 07 10:22:45 2021
 Response via : Initial Calibration

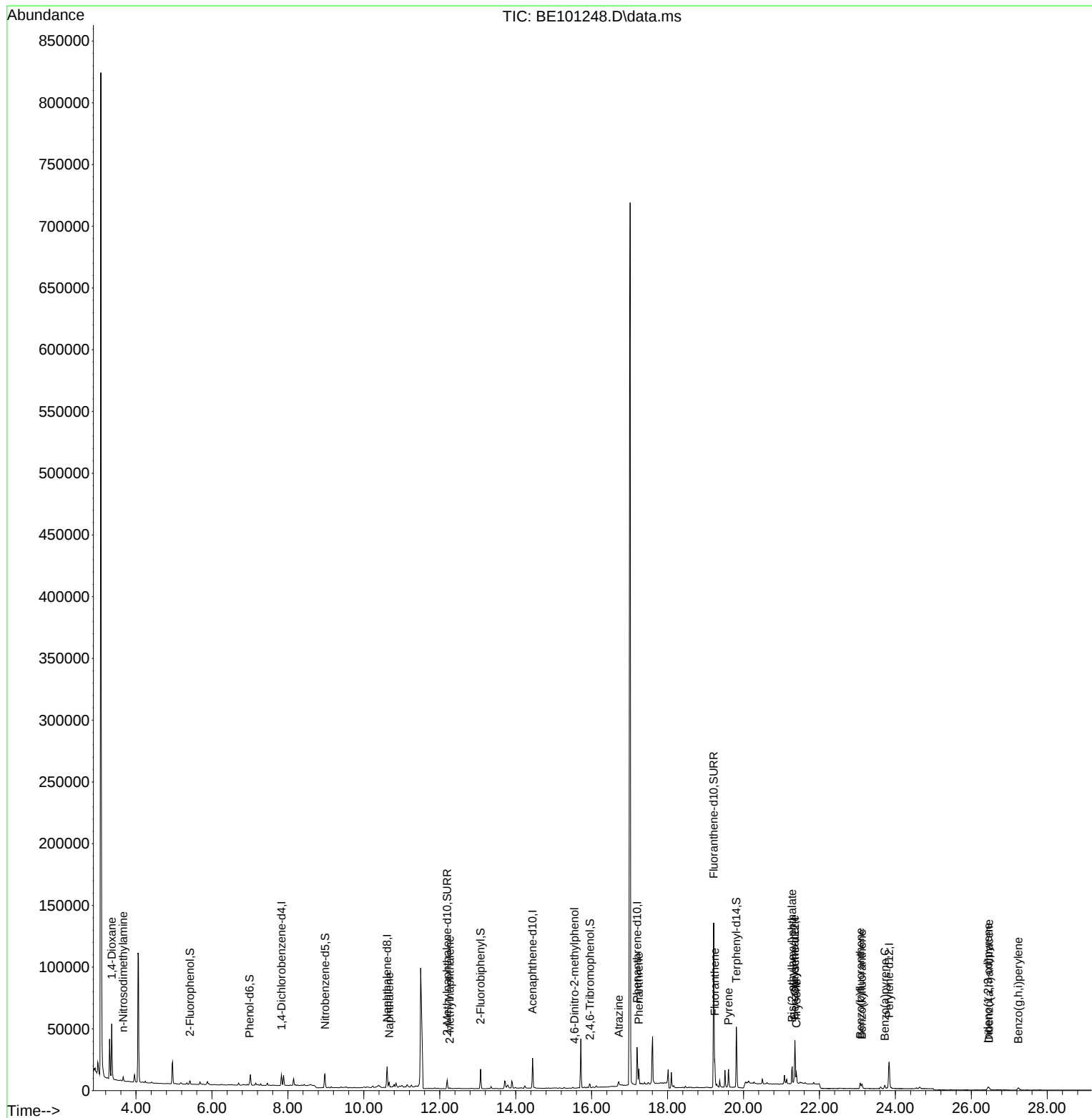
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.829	152	3804	0.40	ng	0.00
7) Naphthalene-d8	10.614	136	17855	0.40	ng	0.00
13) Acenaphthene-d10	14.443	164	14684	0.40	ng	0.00
19) Phenanthrene-d10	17.197	188	43164	0.40	ng	#-0.01
29) Chrysene-d12	21.355	240	33352	0.40	ng	# 0.00
36) Perylene-d12	23.834	264	32632	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.422	112	1479	0.17	ng	0.00
5) Phenol-d6	6.989	99	1389	0.10	ng	0.00
8) Nitrobenzene-d5	8.977	82	4583	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.196	152	8577	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1979	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.075	172	13693	0.26	ng	0.00
27) Fluoranthene-d10	19.214	212	175505	0.23	ng	0.00
31) Terphenyl-d14	19.812	244	42037	0.47	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.361	88	26118	4.50	ng	97
3) n-Nitrosodimethylamine	3.660	42	358	0.06	ng	# 1
9) Naphthalene	10.666	128	7068	0.04	ng	# 97
12) 2-Methylnaphthalene	12.268	142	742	0.02	ng	# 76
20) 4,6-Dinitro-2-methylph...	15.549	198	12	0.06	ng	# 1
23) Atrazine	16.713	200	457	0.03	ng	# 1
25) Phenanthrene	17.242	178	12933	0.10	ng	96
28) Fluoranthene	19.243	202	18079	0.11	ng	# 85
30) Pyrene	19.605	202	12853	0.11	ng	# 94
32) Benzo(a)anthracene	21.343	228	5853	0.06	ng	96
33) Chrysene	21.391	228	7288	0.07	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.282	149	19401	0.29	ng	100
35) Indeno(1,2,3-cd)pyrene	26.441	276	4251	0.05	ng	98
37) Benzo(b)fluoranthene	23.075	252	6893	0.06	ng	# 83
38) Benzo(k)fluoranthene	23.122	252	4738	0.04	ng	# 66
39) Benzo(a)pyrene	23.720	252	4653	0.05	ng	# 78
40) Dibenzo(a,h)anthracene	26.462	278	2471	0.03	ng	# 73
41) Benzo(g,h,i)perylene	27.236	276	4252	0.04	ng	# 89

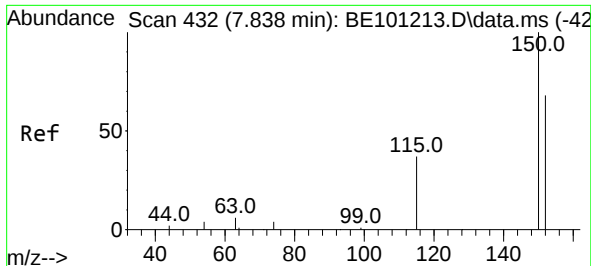
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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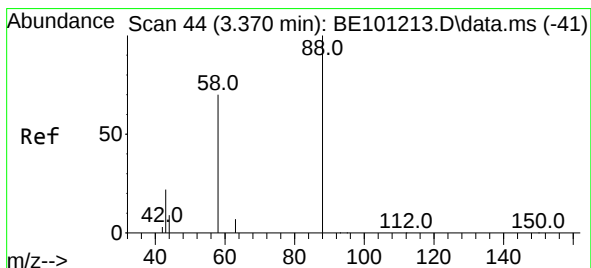
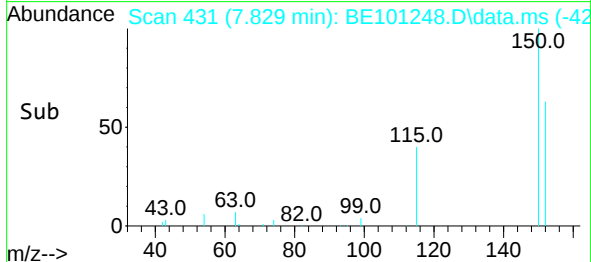
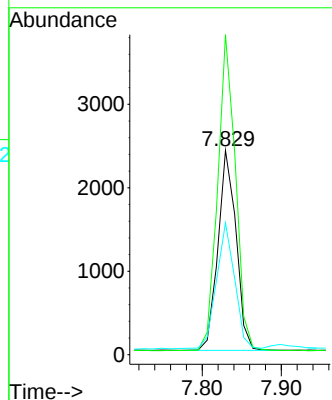
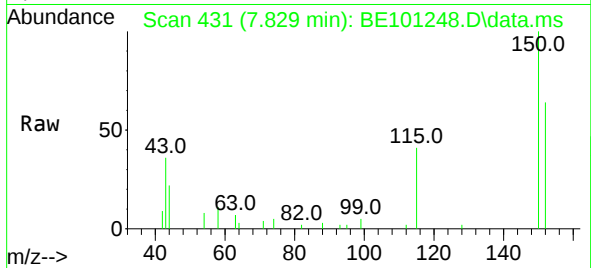




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.829 min Scan# 431
 Delta R.T. -0.001 min
 Lab File: BE101248.D
 Acq: 8 Apr 2021 16:11

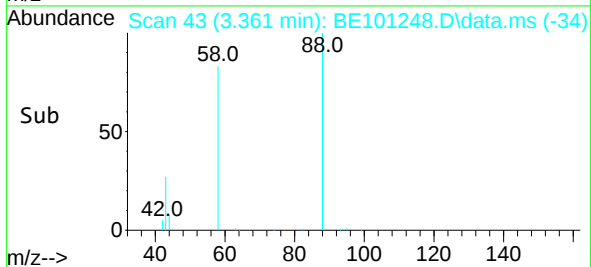
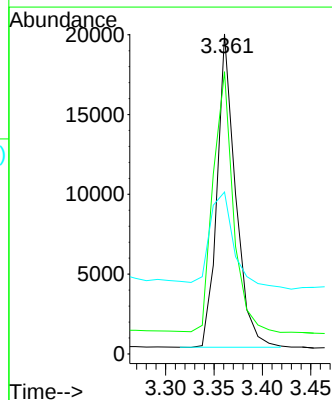
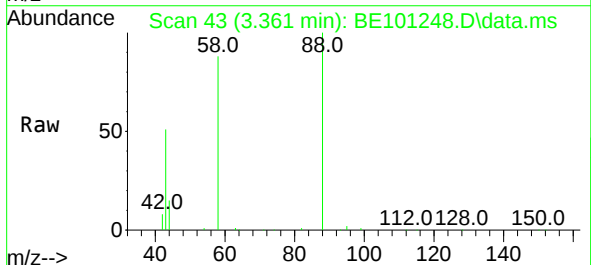
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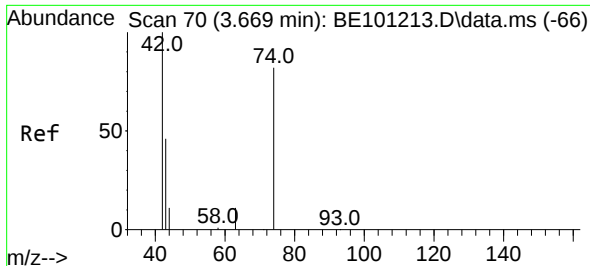
Tgt Ion:152 Resp: 3804
 Ion Ratio Lower Upper
 152 100
 150 156.7 116.9 175.3
 115 64.5 44.5 66.7



#2
 1,4-Dioxane
 Concen: 4.50 ng
 RT: 3.361 min Scan# 43
 Delta R.T. -0.000 min
 Lab File: BE101248.D
 Acq: 8 Apr 2021 16:11

Tgt Ion: 88 Resp: 26118
 Ion Ratio Lower Upper
 88 100
 58 90.4 73.6 110.4
 43 38.5 27.6 41.4

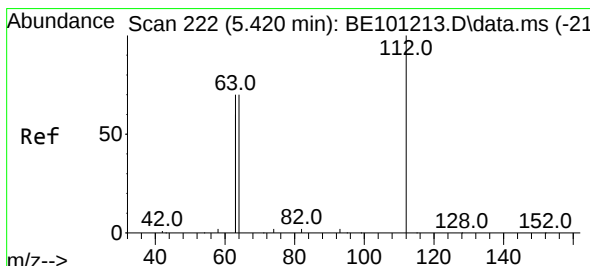
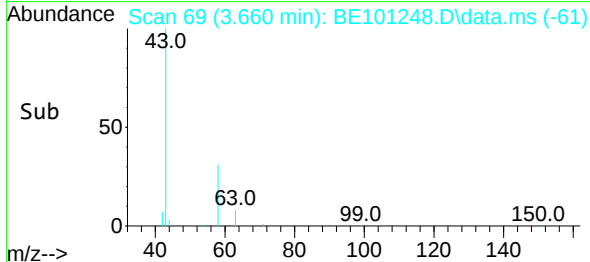
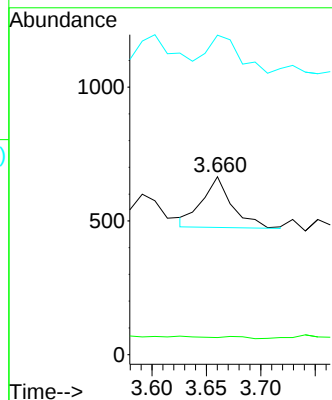
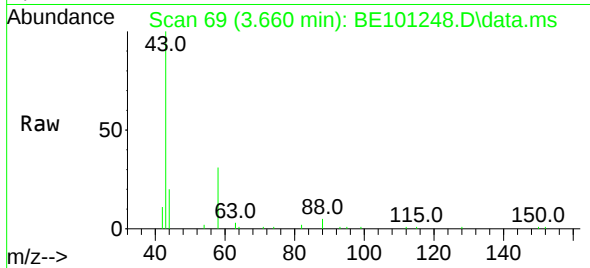




#3
n-Nitrosodimethylamine
Concen: 0.06 ng
RT: 3.660 min Scan# 69
Delta R.T. -0.012 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

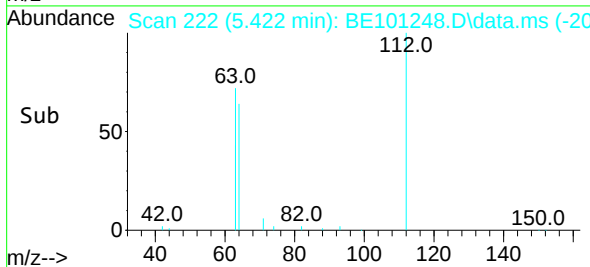
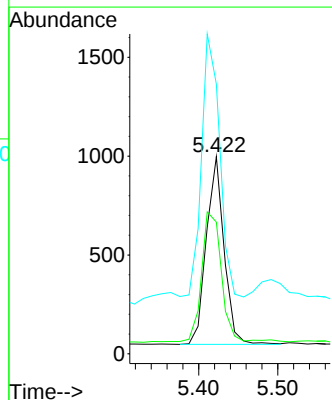
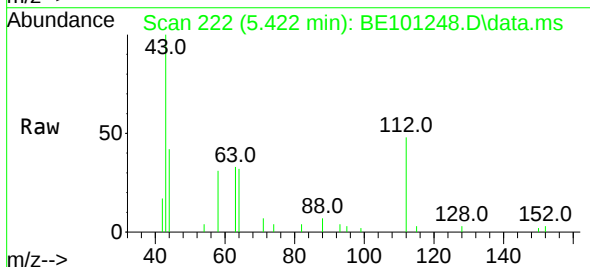
Instrument :
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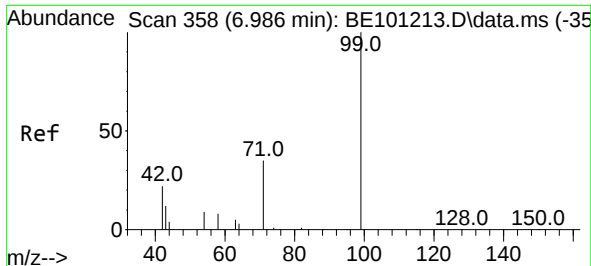
Tgt Ion: 42 Resp: 358
Ion Ratio Lower Upper
42 100
74 2.2 92.7 139.1#
44 80.4 10.7 16.1#



#4
2-Fluorophenol
Concen: 0.17 ng
RT: 5.422 min Scan# 222
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

Tgt Ion: 112 Resp: 1479
Ion Ratio Lower Upper
112 100
64 77.9 62.3 93.5
63 150.8 117.3 175.9

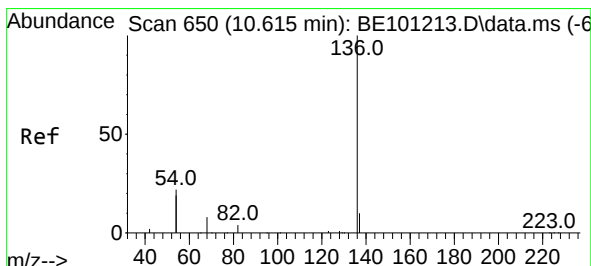
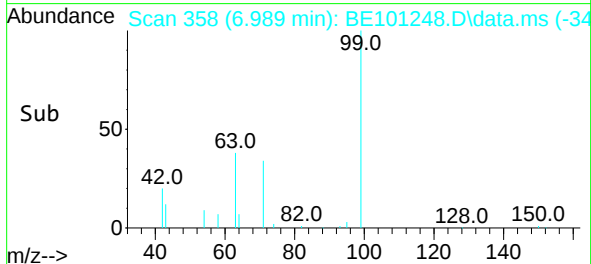
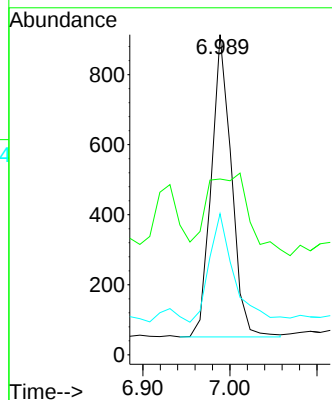
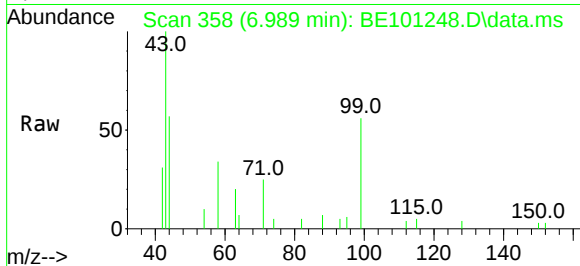




#5
Phenol-d6
Concen: 0.10 ng
RT: 6.989 min Scan# 358
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

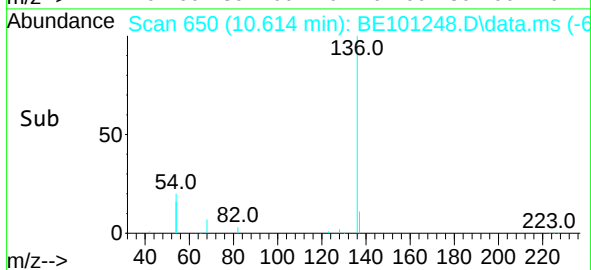
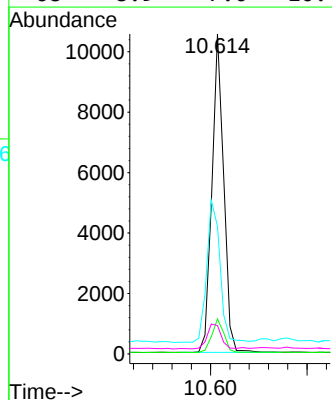
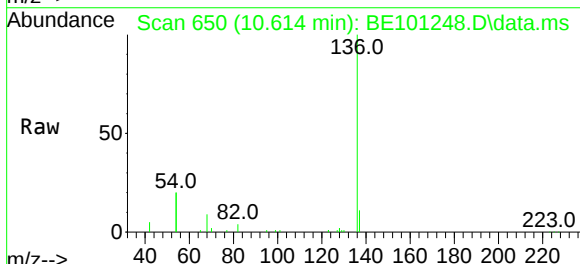
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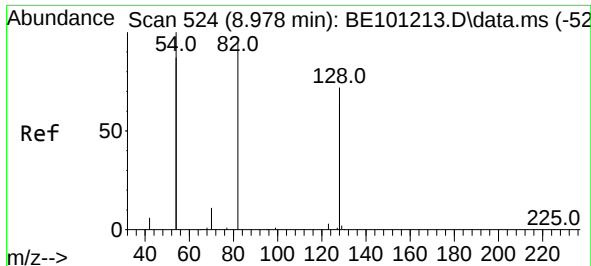
Tgt Ion: 99 Resp: 1389
Ion Ratio Lower Upper
99 100
42 0.0 18.5 27.7#
71 44.5 26.5 39.7#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

Tgt Ion: 136 Resp: 17855
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 39.9 34.7 52.1
68 8.9 7.0 10.4

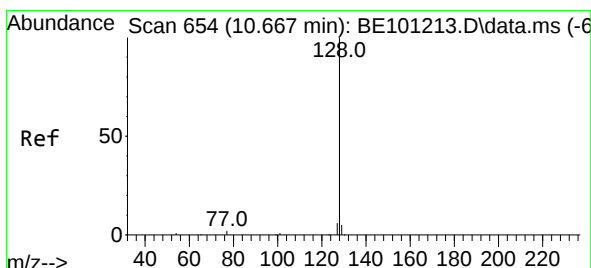
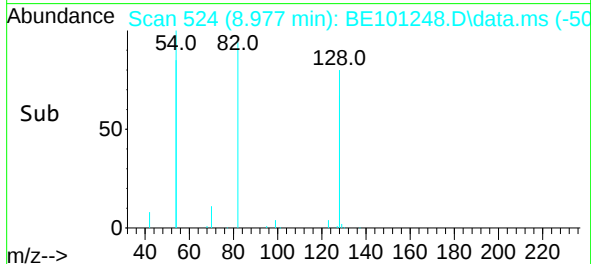
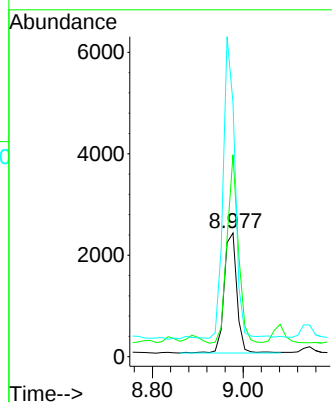
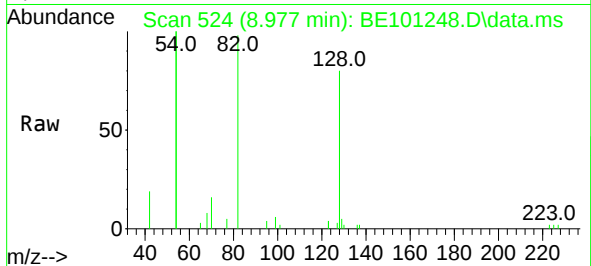




#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

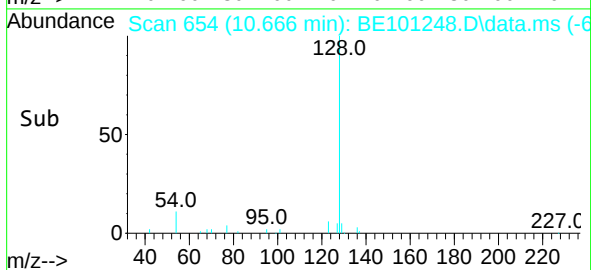
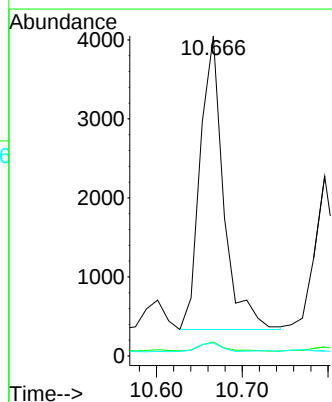
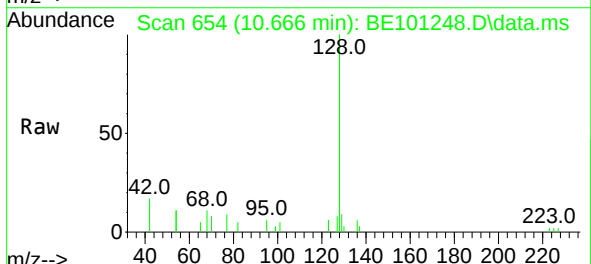
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BNA_E
ClientSampleId :
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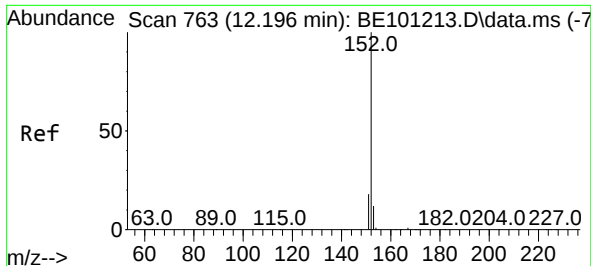
Tgt Ion: 82 Resp: 4583
Ion Ratio Lower Upper
82 100
128 163.3 118.7 178.1
54 205.1 164.4 246.6



#9
Naphthalene
Concen: 0.04 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

Tgt Ion: 128 Resp: 7068
Ion Ratio Lower Upper
128 100
129 4.3 2.2 3.4#
127 4.0 2.6 3.8#

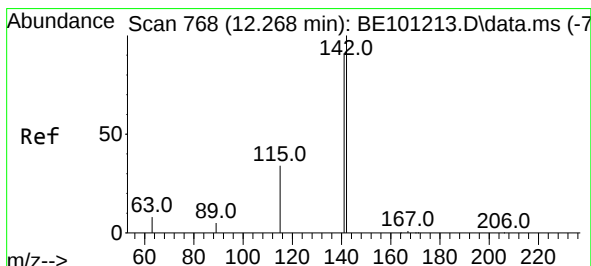
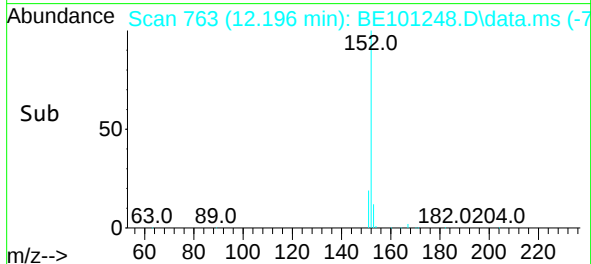
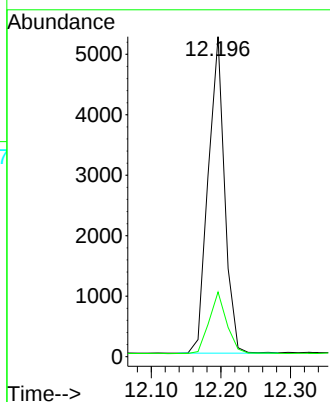
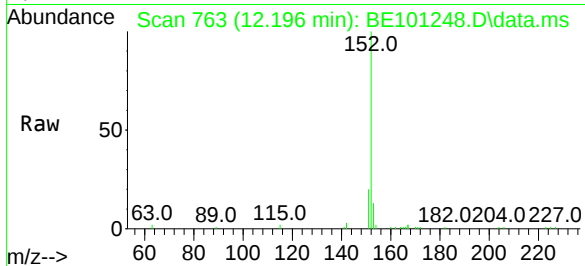




#11
2-Methylnaphthalene-d10
Concen: 0.21 ng
RT: 12.196 min Scan# 763
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

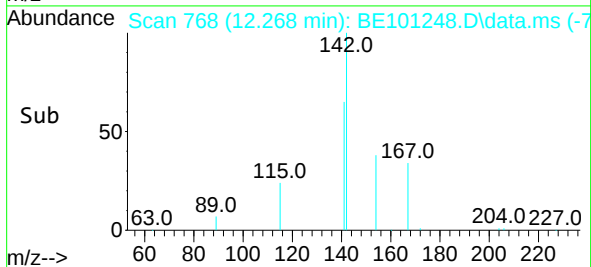
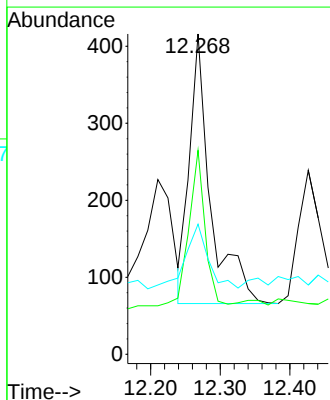
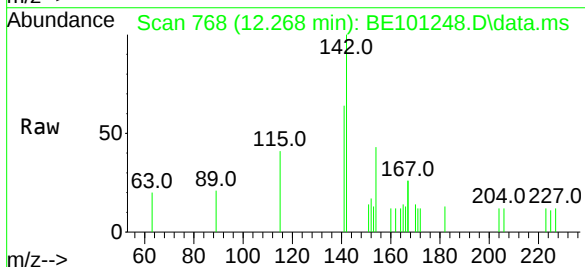
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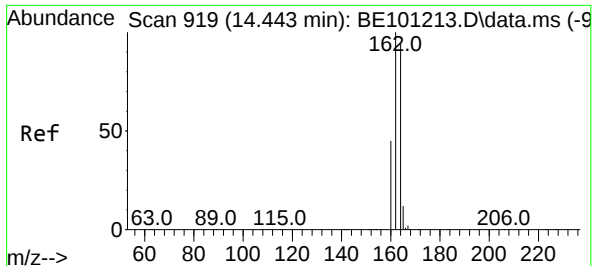
Tgt Ion:152 Resp: 8577
Ion Ratio Lower Upper
152 100
151 21.1 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.268 min Scan# 768
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

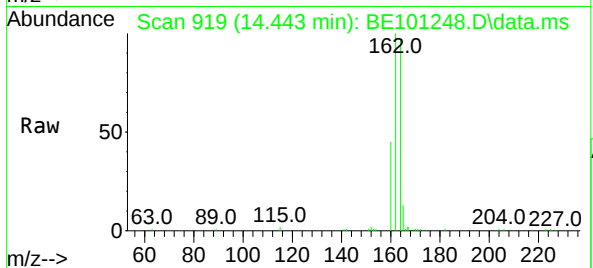
Tgt Ion:142 Resp: 742
Ion Ratio Lower Upper
142 100
141 63.7 73.0 109.6#
115 40.6 27.8 41.8



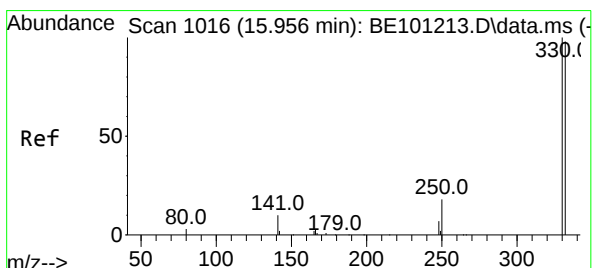
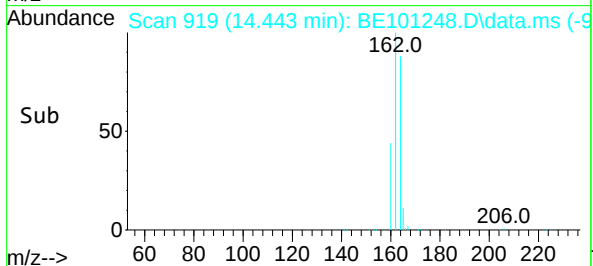
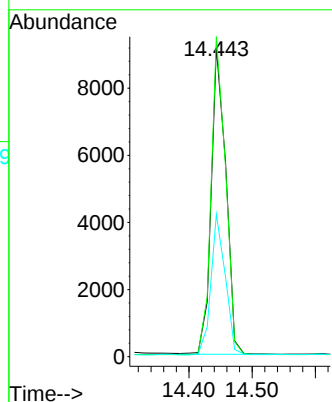


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.443 min Scan# 919
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

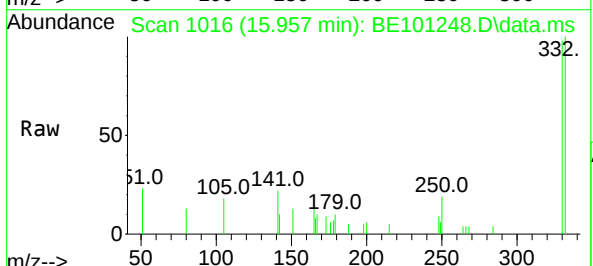
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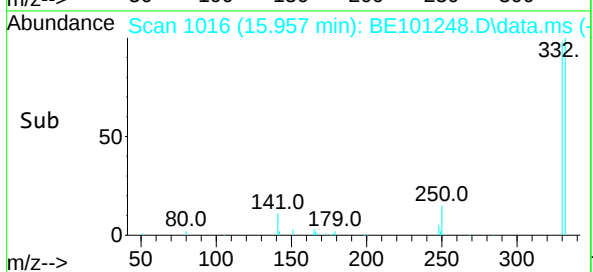
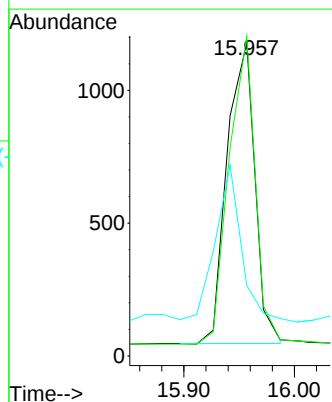
Tgt Ion:164	Resp:	14684
Ion Ratio	Lower	Upper
164	100	
162	103.5	85.3 127.9
160	46.1	39.1 58.7

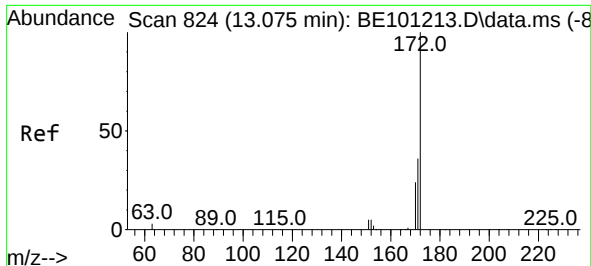


#14
2,4,6-Tribromophenol
Concen: 0.50 ng
RT: 15.957 min Scan# 1016
Delta R.T. 0.002 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11



Tgt Ion:330	Resp:	1979
Ion Ratio	Lower	Upper
330	100	
332	96.6	77.8 116.6
141	46.5	30.4 45.6#

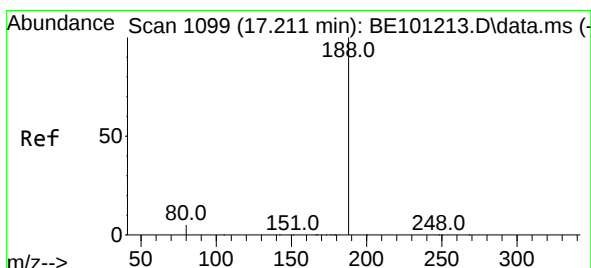
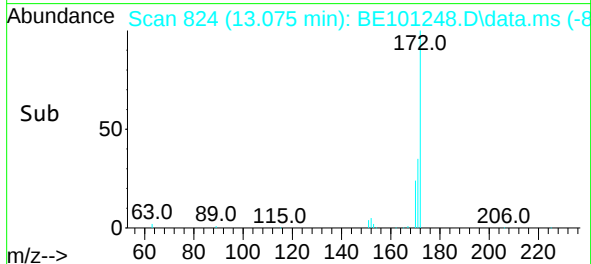
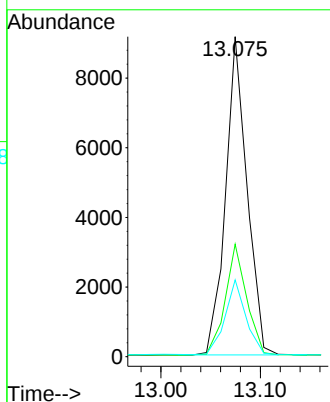
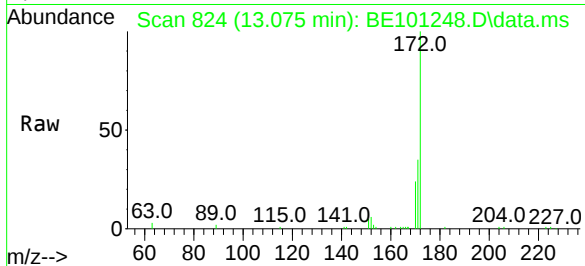




#15
2-Fluorobiphenyl
Concen: 0.26 ng
RT: 13.075 min Scan# 824
Delta R.T. -0.000 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

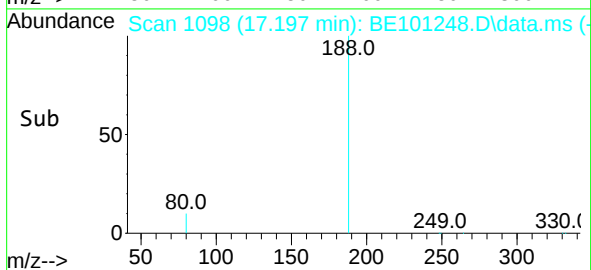
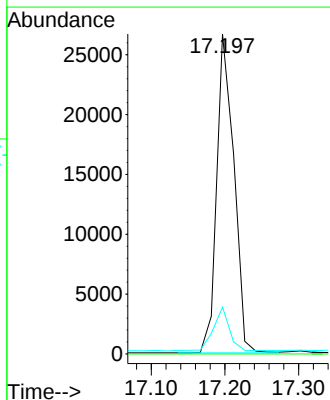
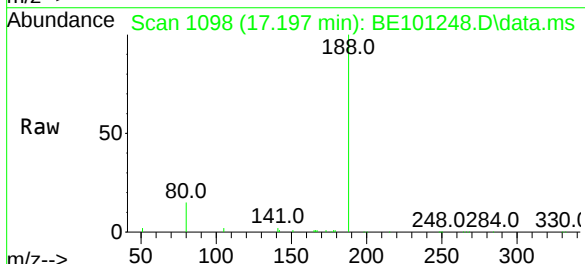
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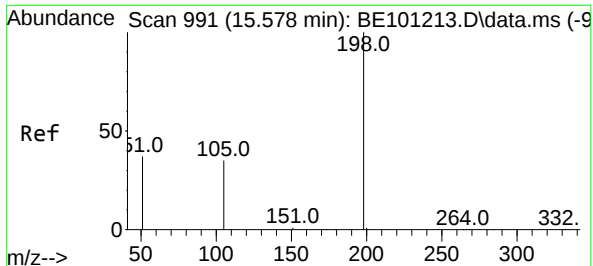
Tgt Ion:172	Resp:	13693
Ion Ratio	Lower	Upper
172	100	
171	35.1	28.7 43.1
170	24.0	19.3 28.9



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.197 min Scan# 1098
Delta R.T. -0.013 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

Tgt Ion:188	Resp:	43164
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0 0.0
80	14.7	4.6 6.8#

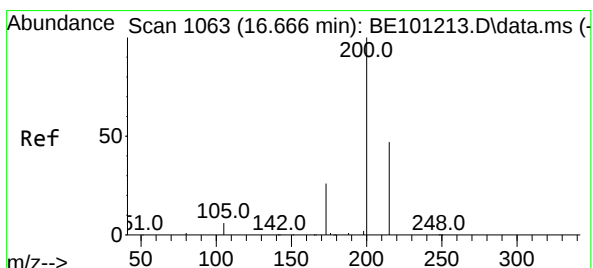
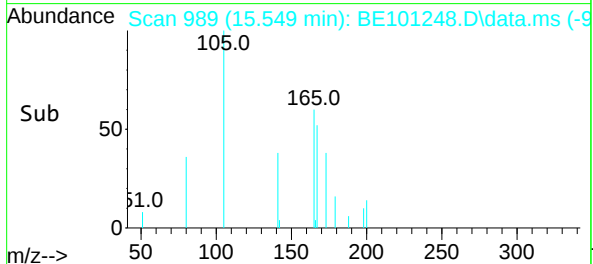
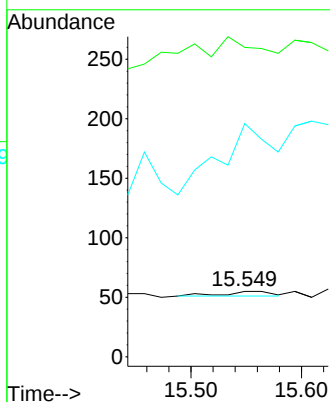
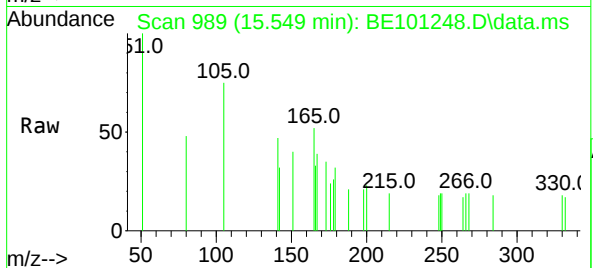




#20
4,6-Dinitro-2-methylphenol
Concen: 0.06 ng
RT: 15.549 min Scan# 989
Delta R.T. -0.028 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

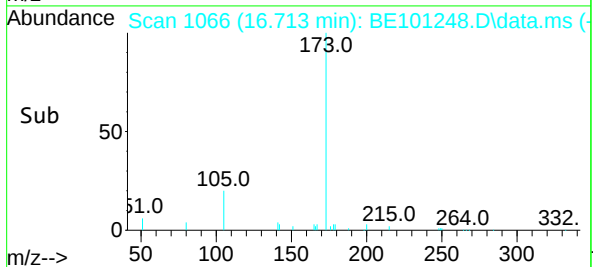
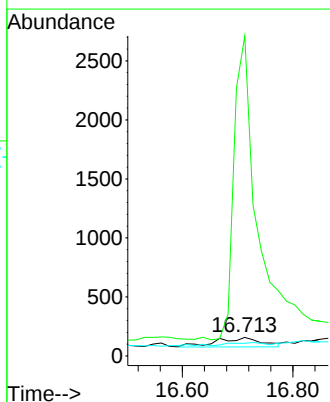
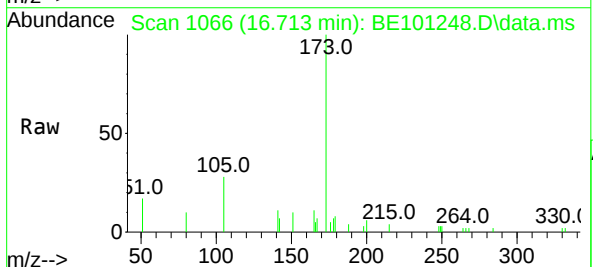
Instrument :
BNA_E
ClientSampleId :
GWBR1-175-200-040721

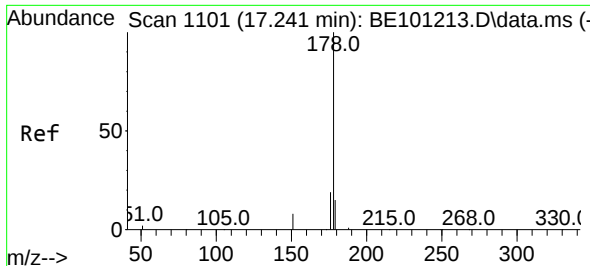
Tgt Ion:198 Resp: 12
Ion Ratio Lower Upper
198 100
51 472.7 55.9 83.9#
105 356.4 33.6 50.4#



#23
Atrazine
Concen: 0.03 ng
RT: 16.713 min Scan# 1066
Delta R.T. 0.047 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

Tgt Ion:200 Resp: 457
Ion Ratio Lower Upper
200 100
173 1715.8 21.9 32.9#
215 68.4 38.6 57.8#

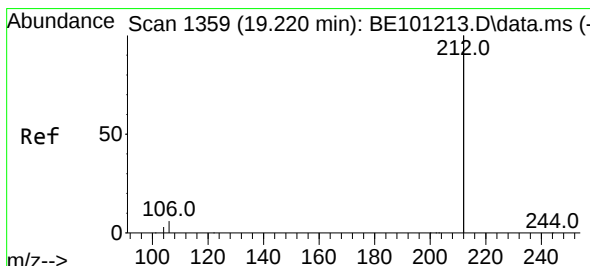
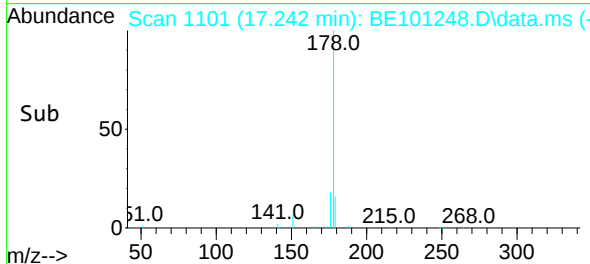
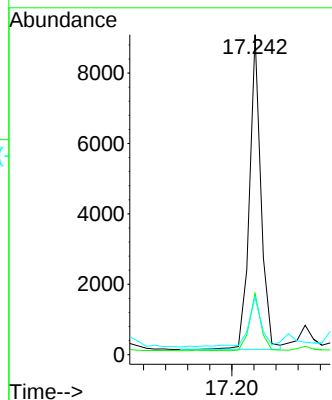
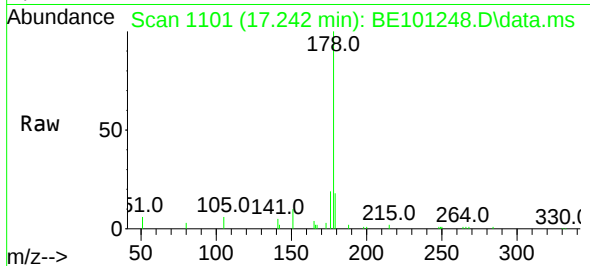




#25
Phenanthrene
Concen: 0.10 ng
RT: 17.242 min Scan# 1101
Delta R.T. 0.002 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

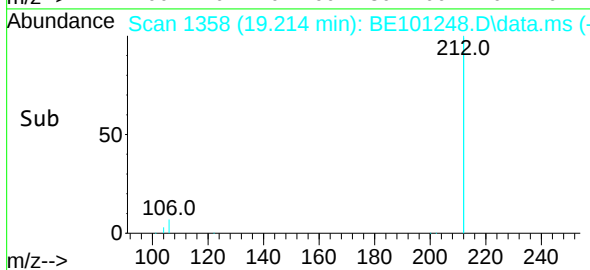
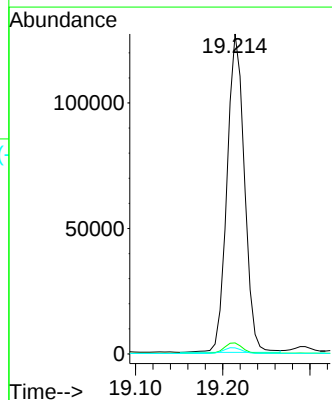
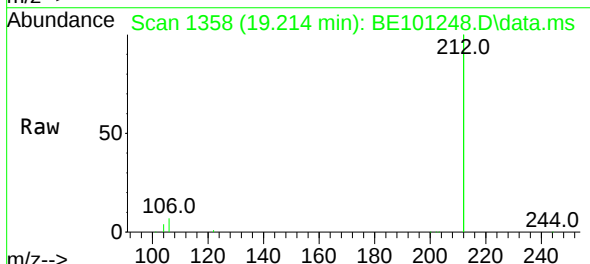
Instrument :
BNA_E
ClientSampleId :
GWBR1-175-200-040721

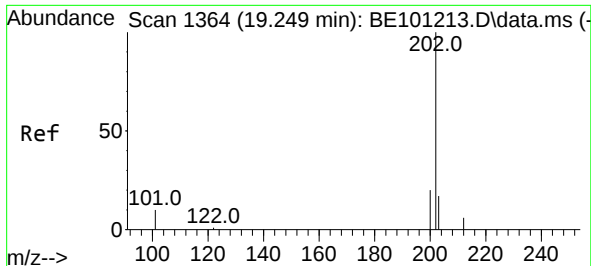
Tgt Ion:178 Resp: 12933
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 17.9 12.2 18.4



#27
Fluoranthene-d10
Concen: 0.23 ng
RT: 19.214 min Scan# 1358
Delta R.T. -0.001 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

Tgt Ion:212 Resp: 175505
Ion Ratio Lower Upper
212 100
106 3.4 2.6 4.0
104 1.9 1.4 2.2

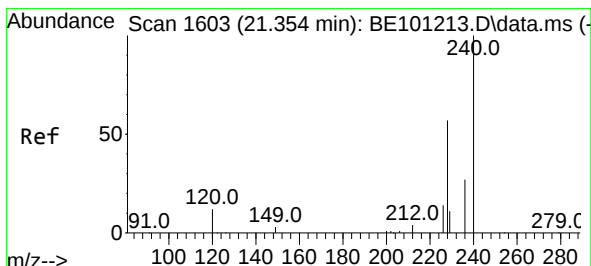
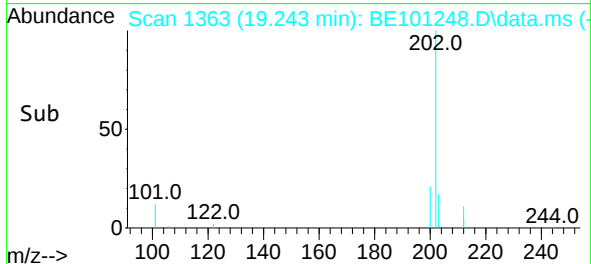
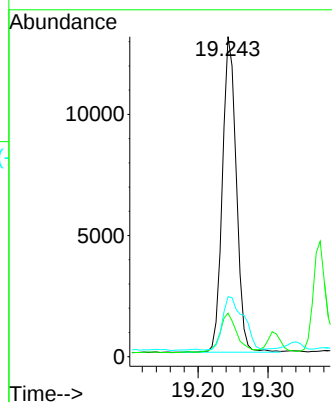
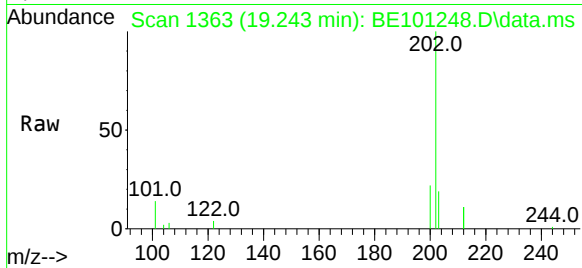




#28
Fluoranthene
Concen: 0.11 ng
RT: 19.243 min Scan# 1363
Delta R.T. -0.001 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

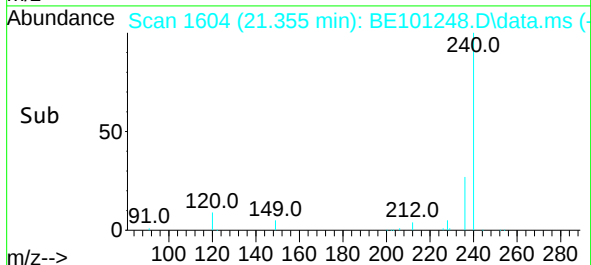
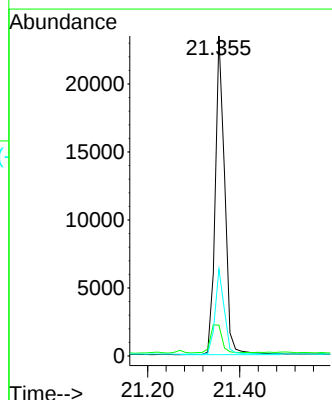
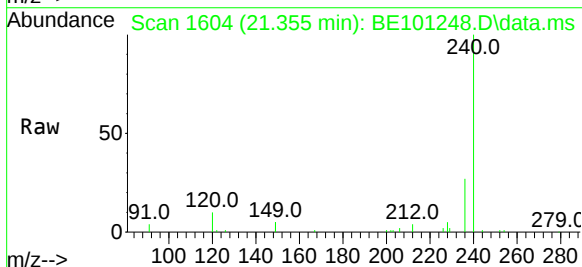
Instrument :
BNA_E
ClientSampleId :
GWBR1-175-200-040721

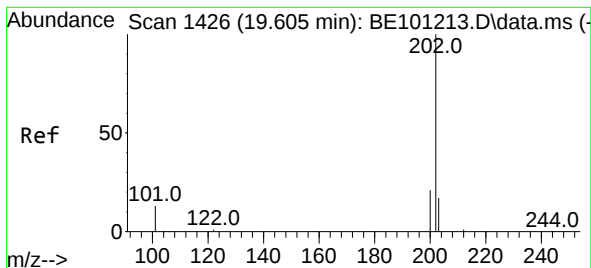
Tgt Ion:202 Resp: 18079
Ion Ratio Lower Upper
202 100
101 15.0 9.1 13.7#
203 25.4 13.6 20.4#



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.355 min Scan# 1604
Delta R.T. 0.001 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

Tgt Ion:240 Resp: 33352
Ion Ratio Lower Upper
240 100
120 9.6 10.2 15.4#
236 27.2 21.7 32.5





#30

Pyrene

Concen: 0.11 ng

RT: 19.605 min Scan# 1426

Delta R.T. -0.001 min

Lab File: BE101248.D

Acq: 8 Apr 2021 16:11

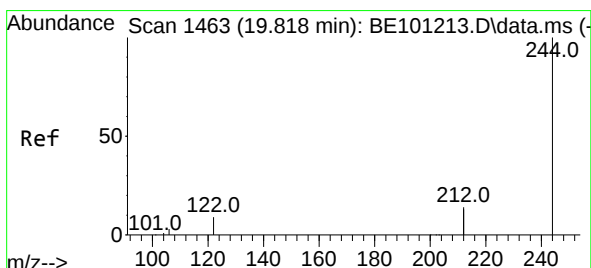
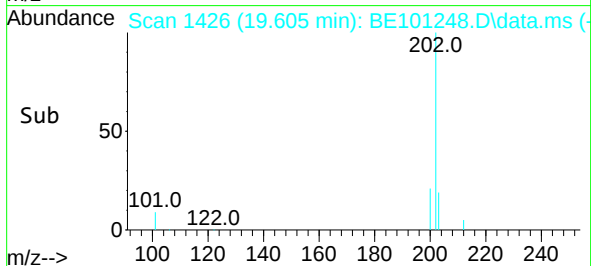
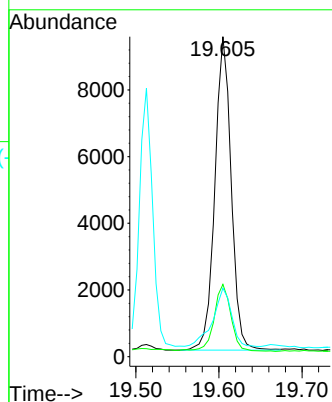
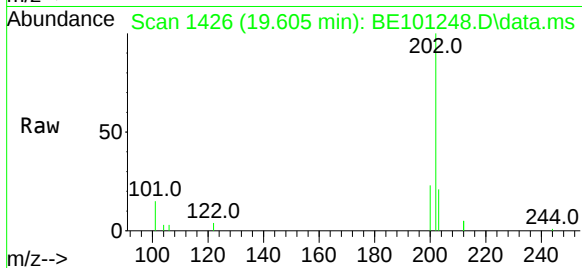
Instrument :

BNA_E

ClientSampleId :

GWBR1-175-200-040721

Tgt Ion:202	Resp:	12853
Ion Ratio	Lower	Upper
202	100	
200	22.3	16.6 24.8
203	21.1	13.8 20.8#



#31

Terphenyl-d14

Concen: 0.47 ng

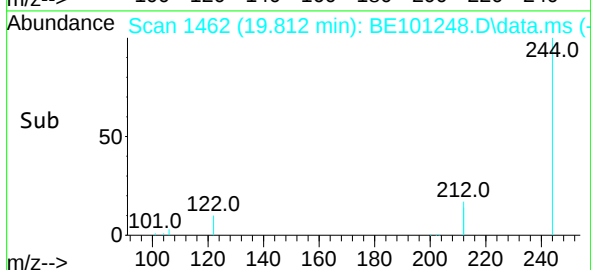
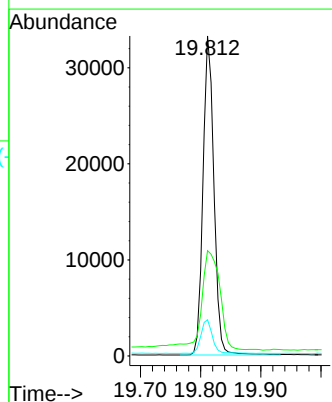
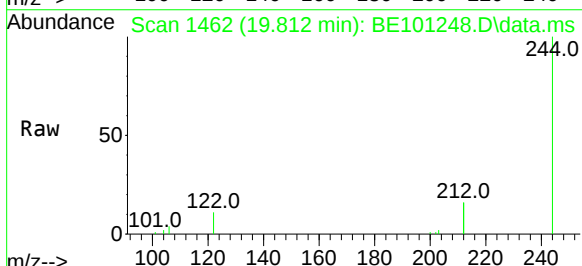
RT: 19.812 min Scan# 1462

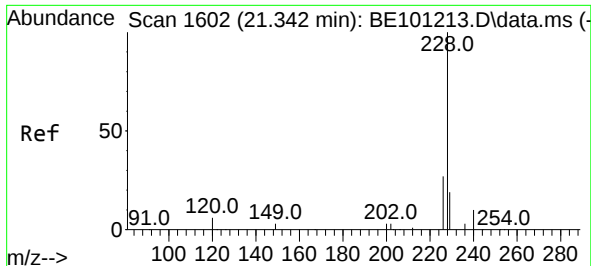
Delta R.T. -0.001 min

Lab File: BE101248.D

Acq: 8 Apr 2021 16:11

Tgt Ion:244	Resp:	42037
Ion Ratio	Lower	Upper
244	100	
212	32.9	21.9 32.9#
122	11.3	7.3 10.9#

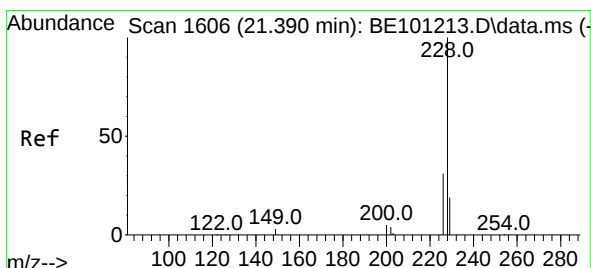
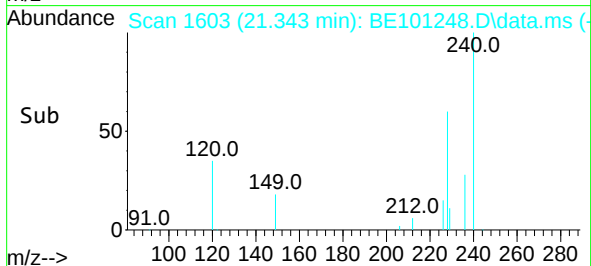
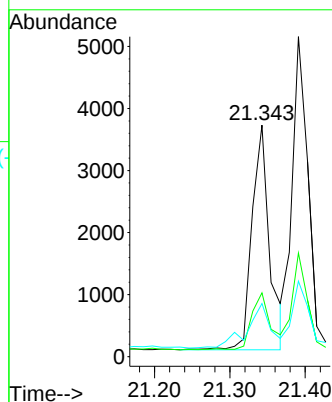
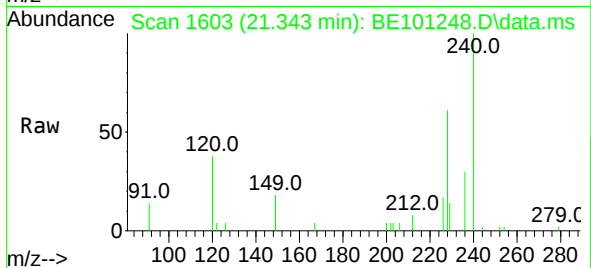




#32
Benzo(a)anthracene
Concen: 0.06 ng
RT: 21.343 min Scan# 1603
Delta R.T. 0.001 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

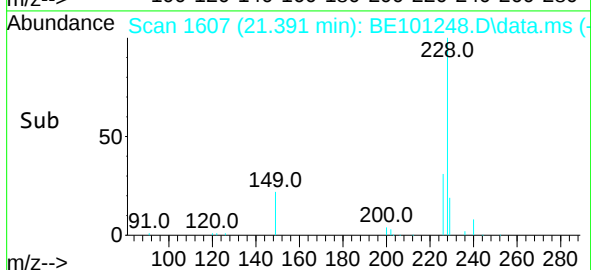
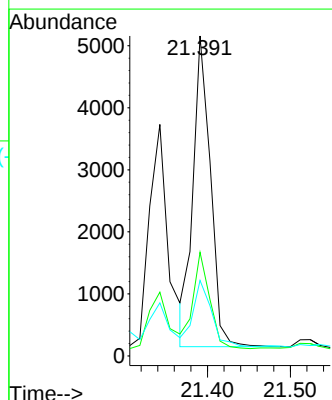
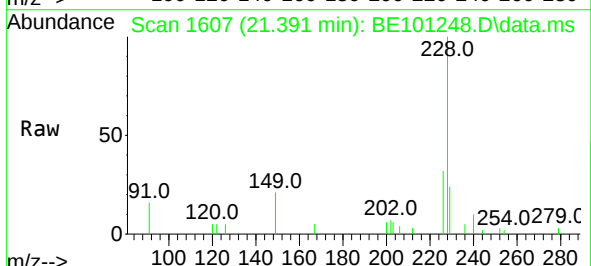
Instrument :
BNA_E
ClientSampleId :
GWBR1-175-200-040721

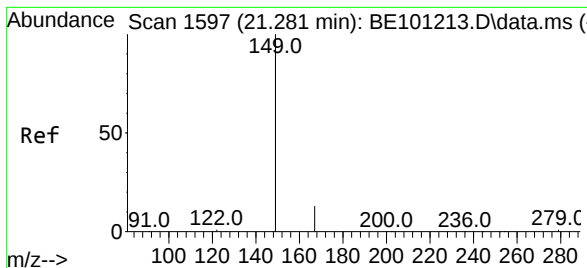
Tgt Ion:228 Resp: 5853
Ion Ratio Lower Upper
228 100
226 27.5 21.4 32.2
229 22.9 15.7 23.5



#33
Chrysene
Concen: 0.07 ng
RT: 21.391 min Scan# 1607
Delta R.T. 0.001 min
Lab File: BE101248.D
Acq: 8 Apr 2021 16:11

Tgt Ion:228 Resp: 7288
Ion Ratio Lower Upper
228 100
226 32.4 24.8 37.2
229 23.6 15.2 22.8#

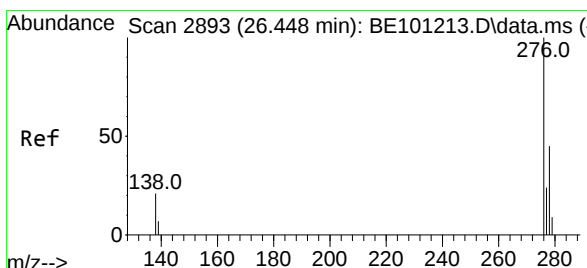
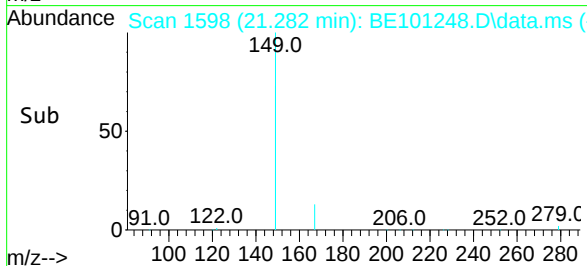
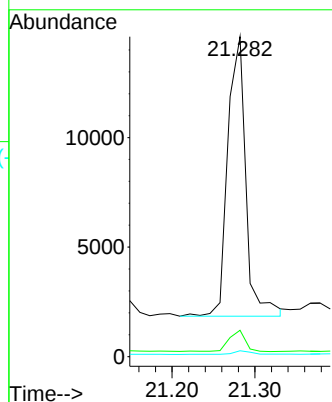
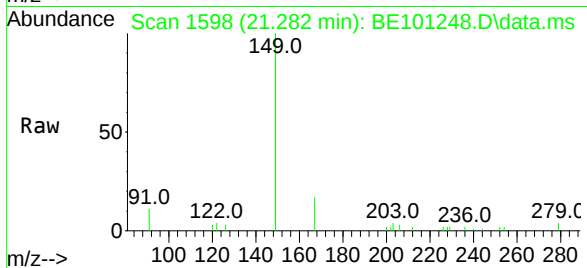




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.29 ng
 RT: 21.282 min Scan# 1598
 Delta R.T. 0.001 min
 Lab File: BE101248.D
 Acq: 8 Apr 2021 16:11

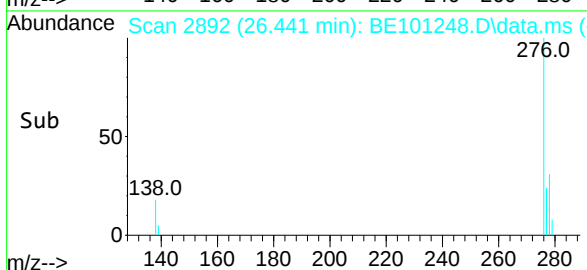
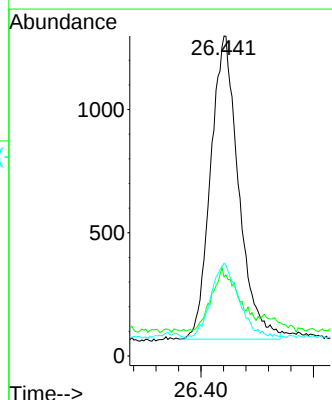
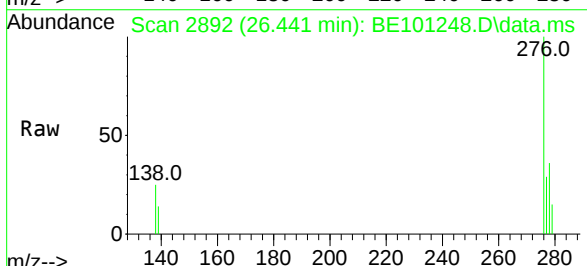
Instrument :
 BNA_E
 ClientSampleId :
 GWBR1-175-200-040721

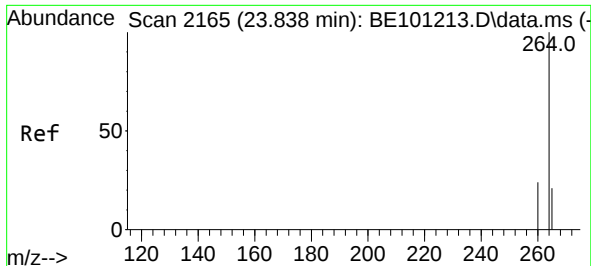
Tgt Ion:149 Resp: 19401
 Ion Ratio Lower Upper
 149 100
 167 6.8 5.5 8.3
 279 1.4 1.0 1.4



#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.441 min Scan# 2892
 Delta R.T. -0.004 min
 Lab File: BE101248.D
 Acq: 8 Apr 2021 16:11

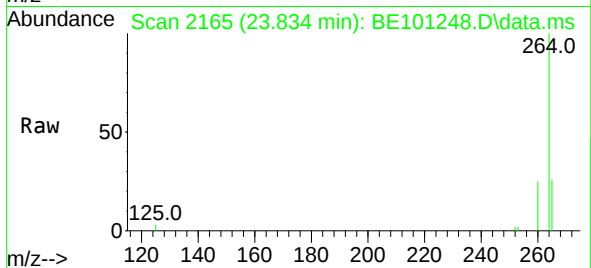
Tgt Ion:276 Resp: 4251
 Ion Ratio Lower Upper
 276 100
 138 19.5 17.4 26.0
 277 24.7 19.8 29.8



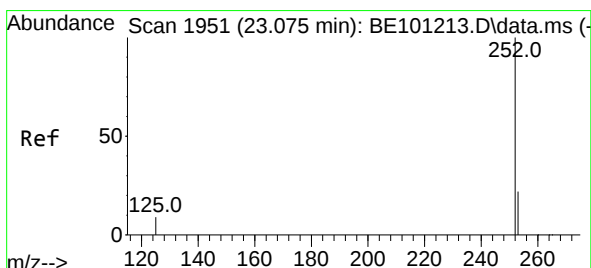
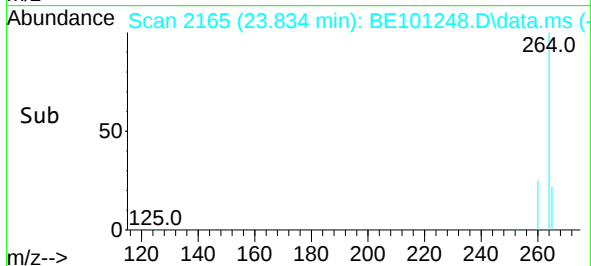
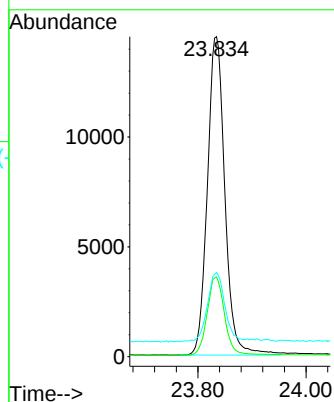


#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.834 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: BE101248.D
 Acq: 8 Apr 2021 16:11

Instrument :
 BNA_E
 ClientSampleId :
 GWBR1-175-200-040721

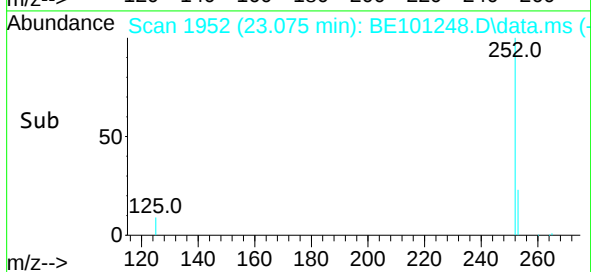
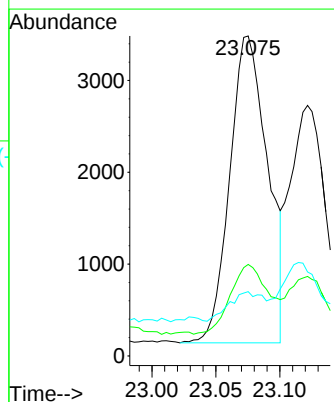
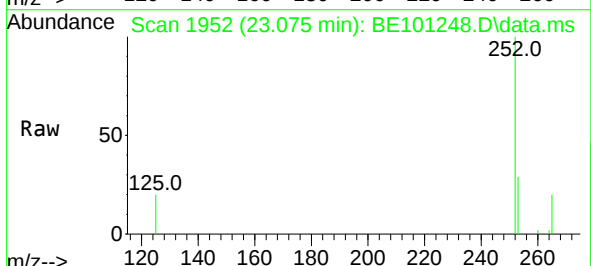


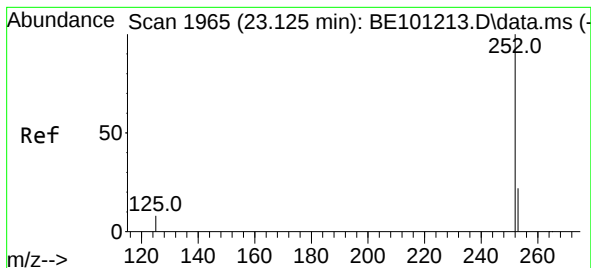
Tgt Ion:264 Resp: 32632
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.3 28.9
 265 26.3 22.4 33.6



#37
 Benzo(b)fluoranthene
 Concen: 0.06 ng
 RT: 23.075 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: BE101248.D
 Acq: 8 Apr 2021 16:11

Tgt Ion:252 Resp: 6893
 Ion Ratio Lower Upper
 252 100
 253 28.6 18.1 27.1#
 125 20.1 7.6 11.4#





#38

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 23.122 min Scan# 1965

Delta R.T. -0.004 min

Lab File: BE101248.D

Acq: 8 Apr 2021 16:11

Tgt Ion:252 Resp: 4738

Ion Ratio Lower Upper

252 100

253 31.7 17.8 26.6#

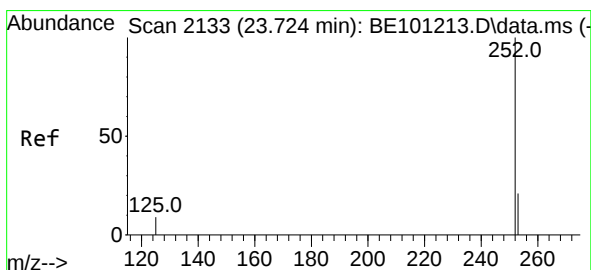
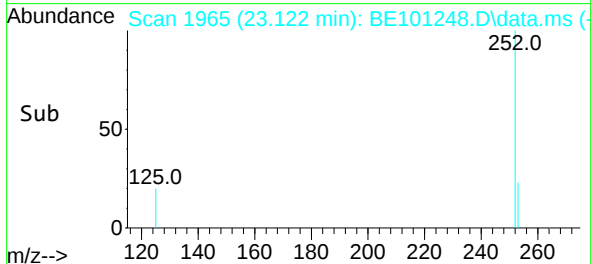
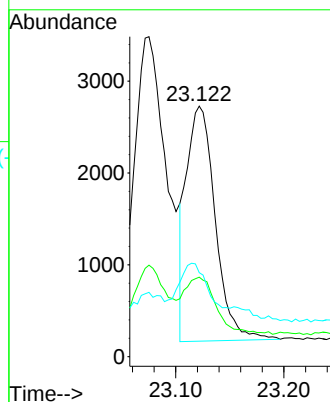
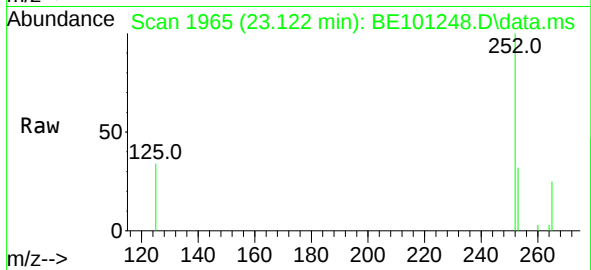
125 33.5 7.6 11.4#

Instrument :

BNA_E

ClientSampleId :

GWBR1-175-200-040721



#39

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.720 min Scan# 2133

Delta R.T. -0.004 min

Lab File: BE101248.D

Acq: 8 Apr 2021 16:11

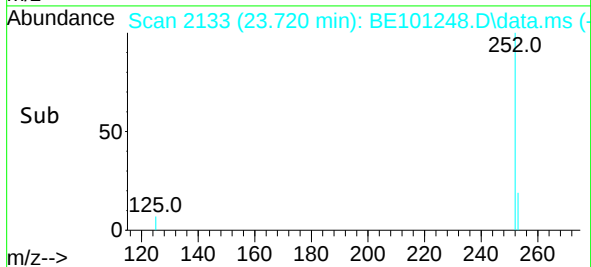
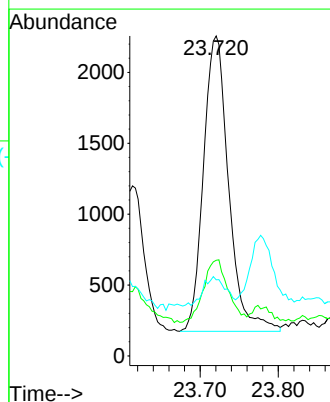
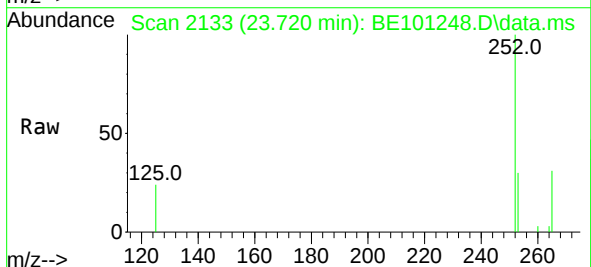
Tgt Ion:252 Resp: 4653

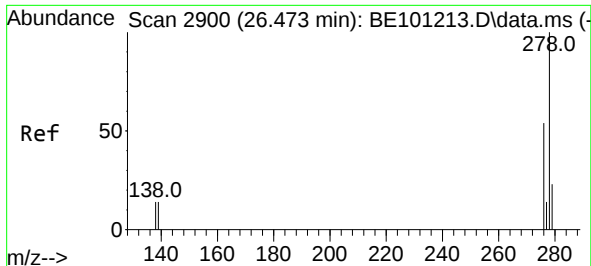
Ion Ratio Lower Upper

252 100

253 29.9 18.0 27.0#

125 23.8 8.0 12.0#





#40

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 26.462 min Scan# 2898

Delta R.T. -0.011 min

Lab File: BE101248.D

Acq: 8 Apr 2021 16:11

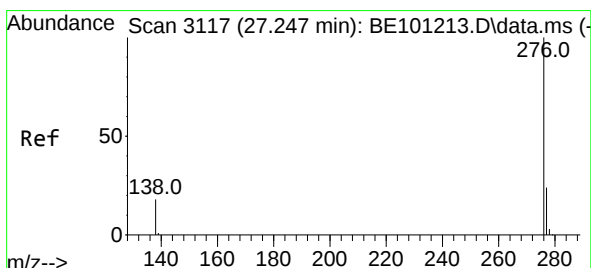
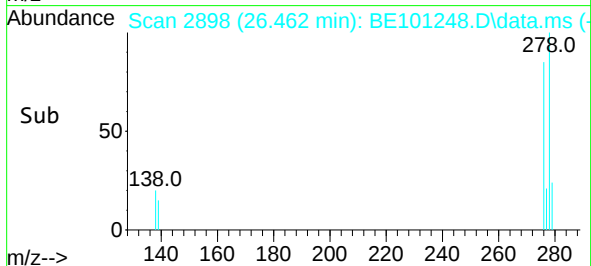
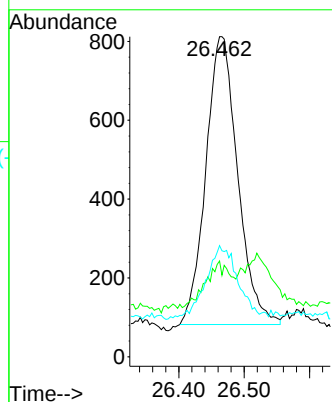
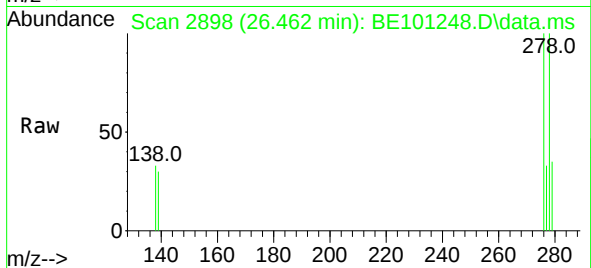
Tgt Ion:278 Resp: 2471

Ion Ratio Lower Upper

278 100

139 29.9 12.2 18.2#

279 34.7 19.3 28.9#



#41

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 27.236 min Scan# 3115

Delta R.T. -0.007 min

Lab File: BE101248.D

Acq: 8 Apr 2021 16:11

Tgt Ion:276 Resp: 4252

Ion Ratio Lower Upper

276 100

277 28.4 19.4 29.0

138 25.6 15.2 22.8#

