

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
 Data File : BE101250.D
 Acq On : 8 Apr 2021 17:23
 Operator : CG/JU
 Sample : M1977-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GWBR3-200-220-040721

Quant Time: Apr 08 18:34:13 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)

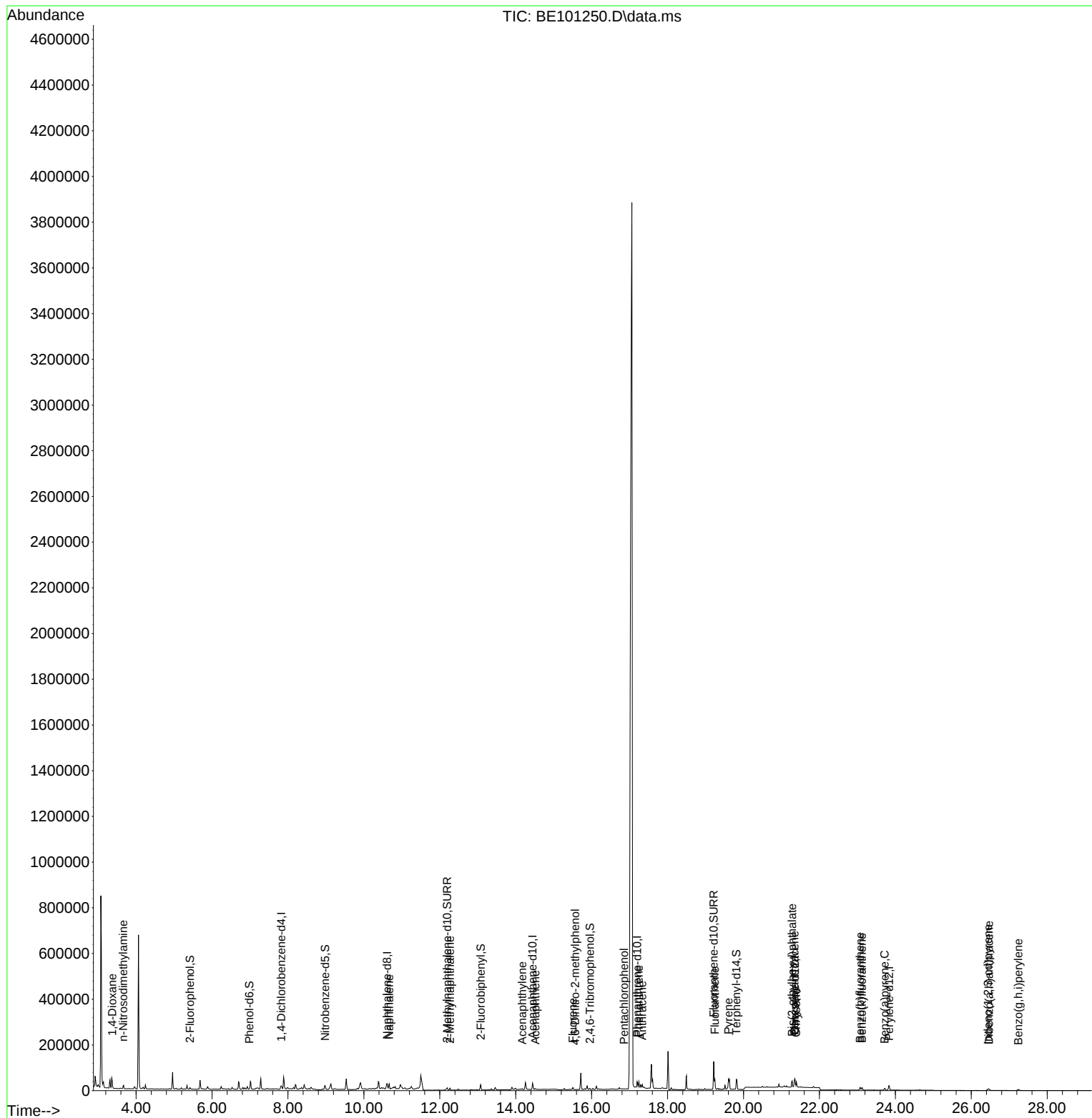
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.827	152	4167	0.40	ng	# 0.00
7) Naphthalene-d8	10.614	136	20845	0.40	ng	# 0.00
13) Acenaphthene-d10	14.443	164	16246	0.40	ng	0.00
19) Phenanthrene-d10	17.197	188	39969	0.40	ng	#-0.01
29) Chrysene-d12	21.354	240	29883	0.40	ng	0.00
36) Perylene-d12	23.834	264	30122	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.420	112	1907	0.19	ng	0.00
5) Phenol-d6	6.987	99	1928	0.13	ng	0.00
8) Nitrobenzene-d5	8.977	82	6558	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.196	152	11773	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	2807	0.64	ng	0.00
15) 2-Fluorobiphenyl	13.075	172	18667	0.32	ng	0.00
27) Fluoranthene-d10	19.214	212	156161	0.23	ng	0.00
31) Terphenyl-d14	19.811	244	35333	0.44	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.370	88	27657	4.35	ng	# 94
3) n-Nitrosodimethylamine	3.658	42	1279	0.19	ng	# 1
9) Naphthalene	10.666	128	36400	0.16	ng	99
12) 2-Methylnaphthalene	12.268	142	6032	0.15	ng	95
16) Acenaphthylene	14.170	152	3760	0.06	ng	# 80
17) Acenaphthene	14.515	154	2486	0.05	ng	97
18) Fluorene	15.503	166	5834	0.09	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.564	198	78	0.08	ng	# 1
24) Pentachlorophenol	16.849	266	435	0.06	ng	99
25) Phenanthrene	17.242	178	28669	0.24	ng	99
26) Anthracene	17.333	178	18511	0.18	ng	98
28) Fluoranthene	19.242	202	39130	0.25	ng	# 89
30) Pyrene	19.604	202	37983	0.35	ng	97
32) Benzo(a)anthracene	21.342	228	21106	0.25	ng	97
33) Chrysene	21.390	228	19724	0.20	ng	97
34) Bis(2-ethylhexyl)phtha...	21.281	149	37365	0.61	ng	100
35) Indeno(1,2,3-cd)pyrene	26.442	276	11707	0.16	ng	98
37) Benzo(b)fluoranthene	23.071	252	17740	0.18	ng	# 91
38) Benzo(k)fluoranthene	23.121	252	15786	0.14	ng	# 88
39) Benzo(a)pyrene	23.720	252	13458	0.16	ng	# 88
40) Dibenzo(a,h)anthracene	26.467	278	8856	0.11	ng	# 90
41) Benzo(g,h,i)perylene	27.241	276	10338	0.12	ng	# 95

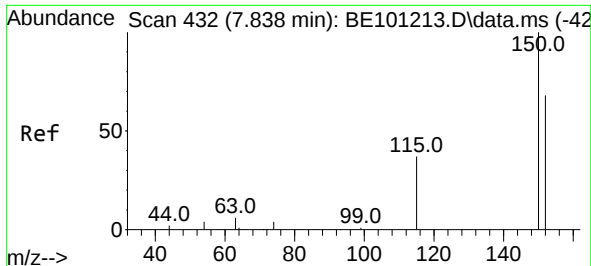
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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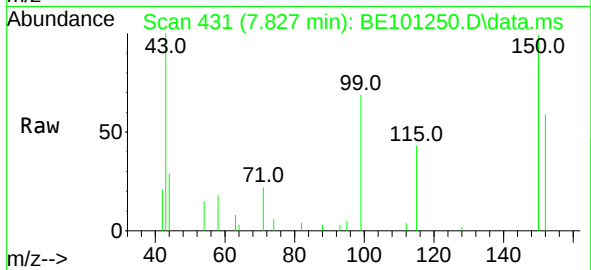
Quant Time: Apr 08 18:34:13 2021
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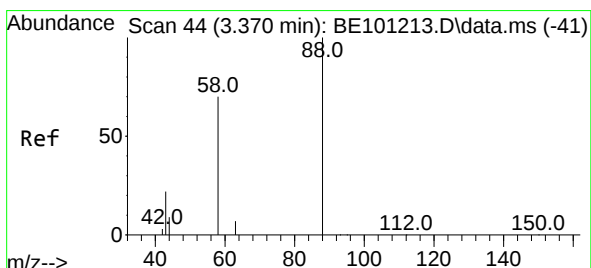
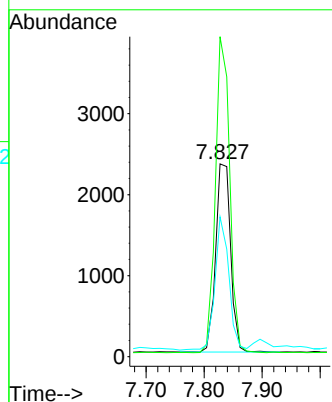
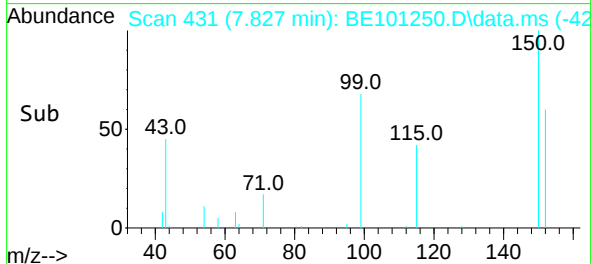


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.827 min Scan# 431
 Delta R.T. -0.003 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23

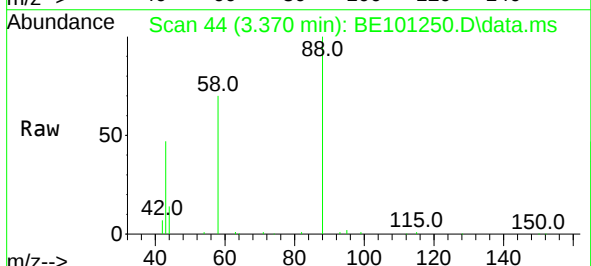
Instrument :
 BNA_E
 ClientSampleId :
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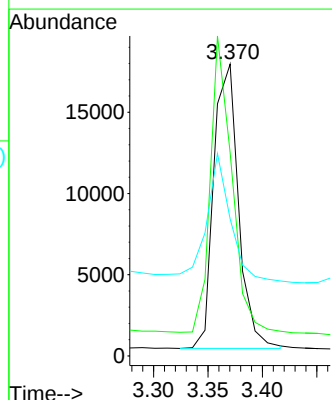
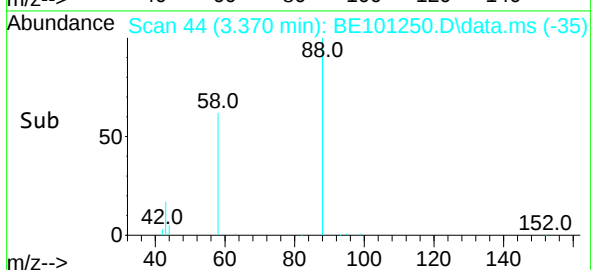
Tgt Ion:152 Resp: 4167
 Ion Ratio Lower Upper
 152 100
 150 165.9 116.9 175.3
 115 72.5 44.5 66.7#

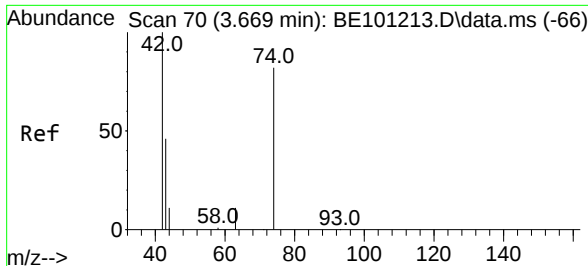


#2
 1,4-Dioxane
 Concen: 4.35 ng
 RT: 3.370 min Scan# 44
 Delta R.T. 0.009 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23



Tgt Ion: 88 Resp: 27657
 Ion Ratio Lower Upper
 88 100
 58 89.6 73.6 110.4
 43 43.0 27.6 41.4#

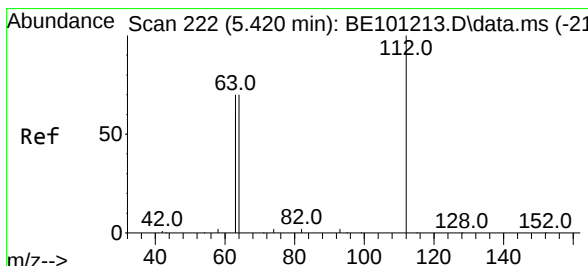
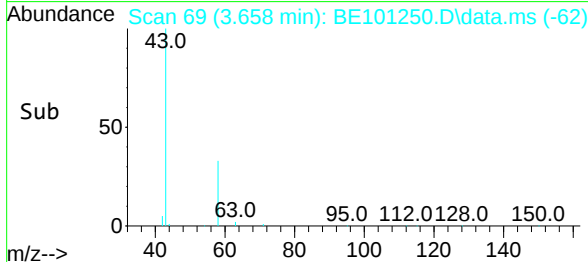
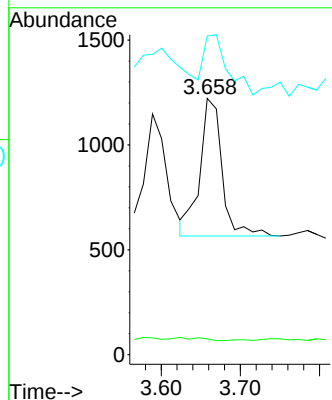
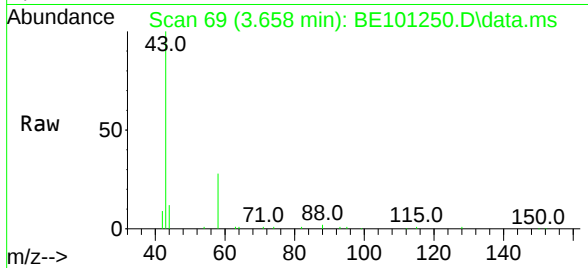




#3
n-Nitrosodimethylamine
Concen: 0.19 ng
RT: 3.658 min Scan# 69
Delta R.T. -0.014 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

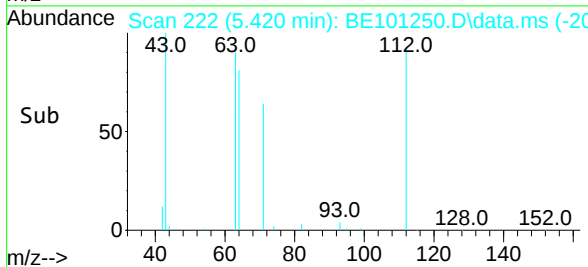
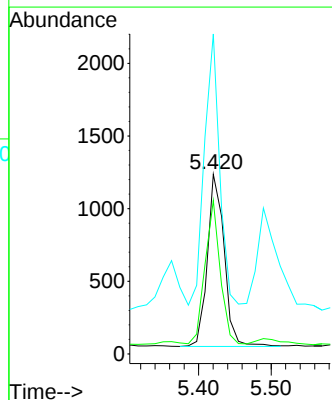
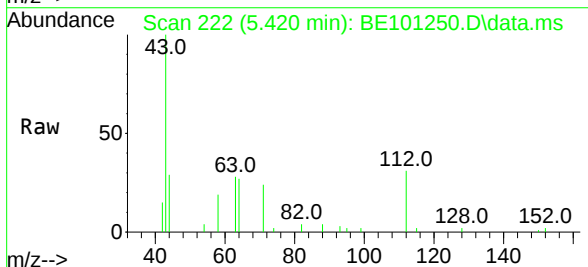
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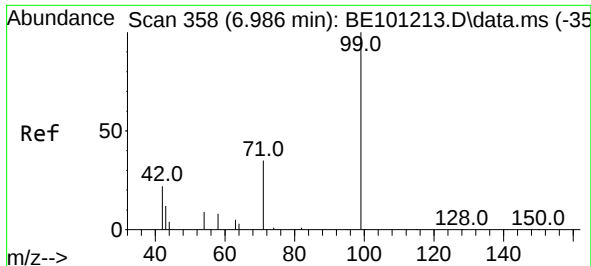
Tgt Ion: 42 Resp: 1279
Ion Ratio Lower Upper
42 100
74 0.0 92.7 139.1#
44 46.1 10.7 16.1#



#4
2-Fluorophenol
Concen: 0.19 ng
RT: 5.420 min Scan# 222
Delta R.T. -0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion: 112 Resp: 1907
Ion Ratio Lower Upper
112 100
64 76.0 62.3 93.5
63 148.6 117.3 175.9

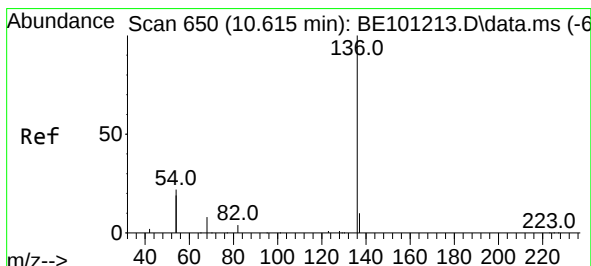
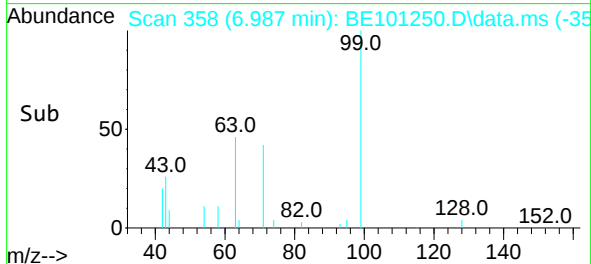
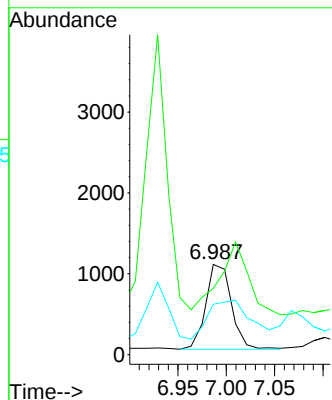
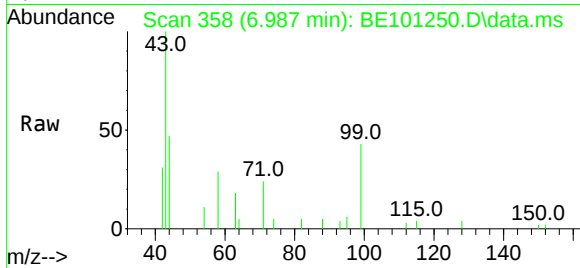




#5
Phenol-d6
Concen: 0.13 ng
RT: 6.987 min Scan# 358
Delta R.T. -0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

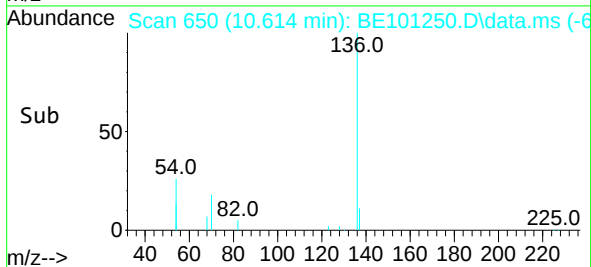
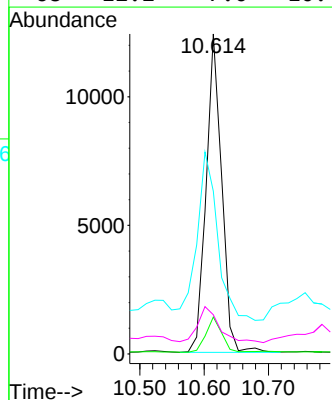
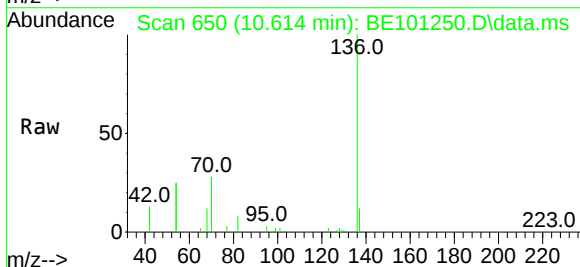
Instrument :
BNA_E
ClientSampleId :
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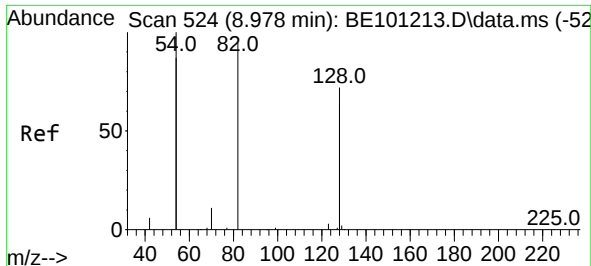
Tgt Ion: 99 Resp: 1928
Ion Ratio Lower Upper
99 100
42 0.0 18.5 27.7#
71 0.0 26.5 39.7#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:136 Resp: 20845
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 50.9 34.7 52.1
68 12.2 7.0 10.4#

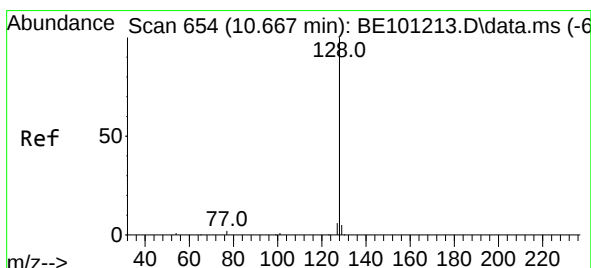
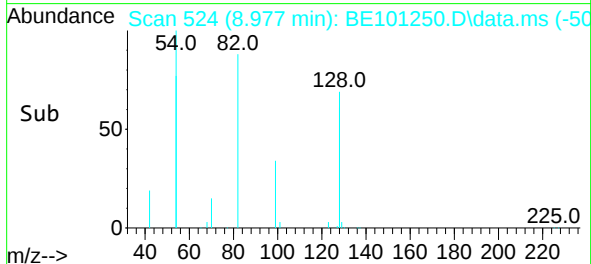
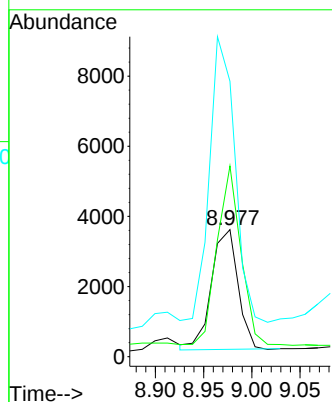
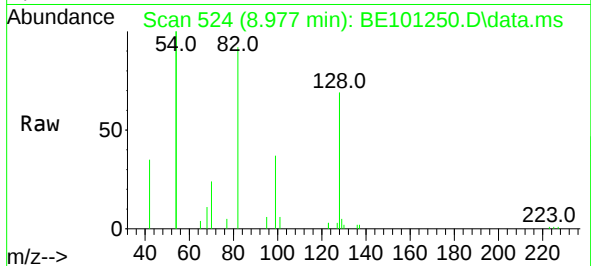




#8
Nitrobenzene-d5
Concen: 0.42 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

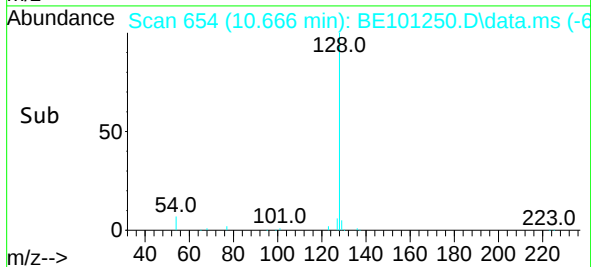
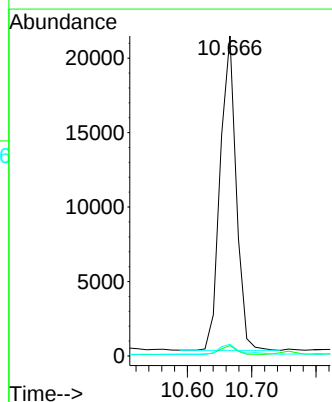
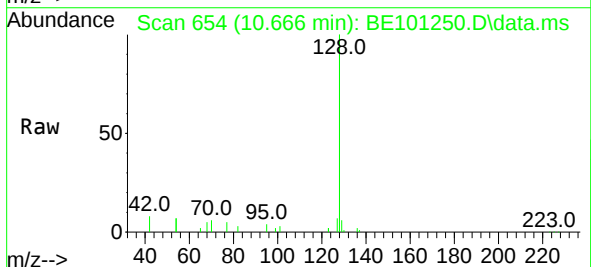
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

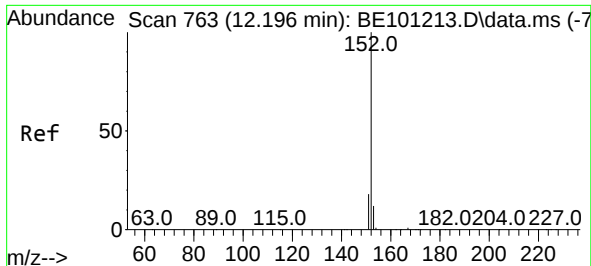
Tgt Ion: 82 Resp: 6558
Ion Ratio Lower Upper
82 100
128 150.1 118.7 178.1
54 216.8 164.4 246.6



#9
Naphthalene
Concen: 0.16 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion: 128 Resp: 36400
Ion Ratio Lower Upper
128 100
129 3.2 2.2 3.4
127 3.7 2.6 3.8

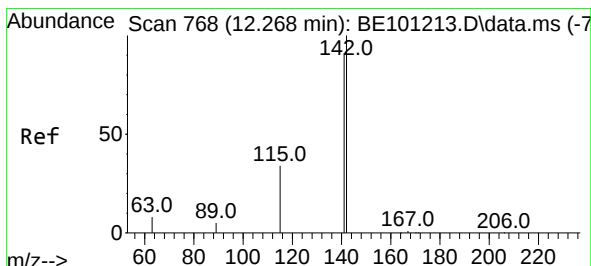
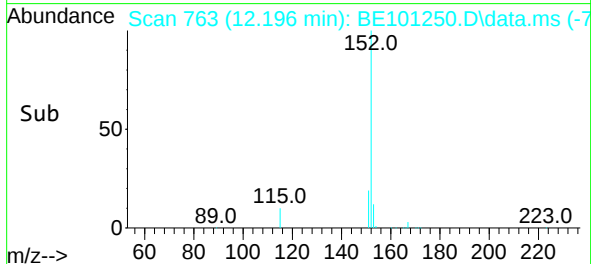
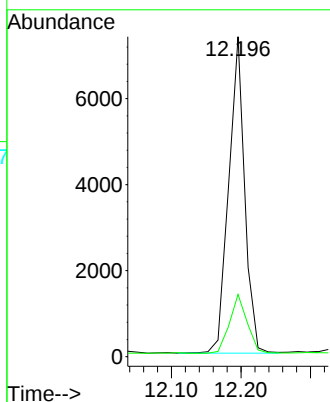
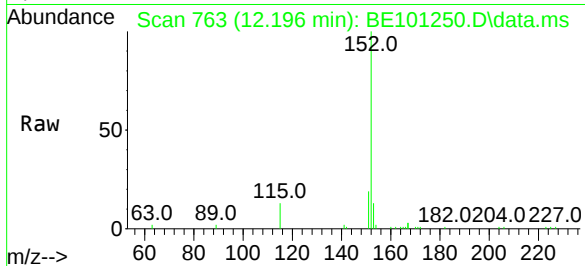




#11
2-Methylnaphthalene-d10
Concen: 0.24 ng
RT: 12.196 min Scan# 763
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

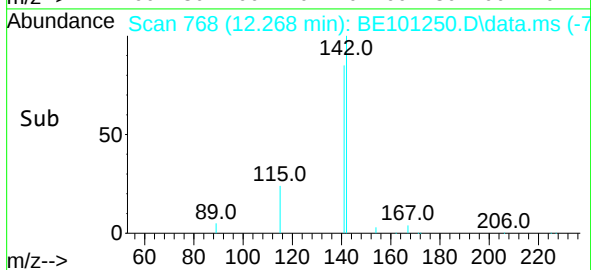
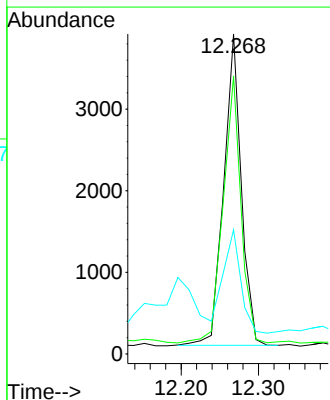
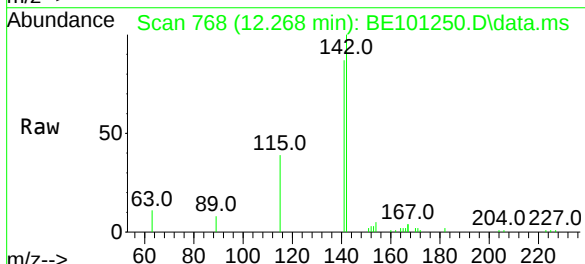
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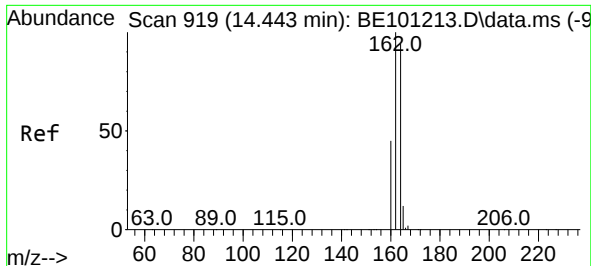
Tgt Ion:152 Resp: 11773
Ion Ratio Lower Upper
152 100
151 20.5 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.15 ng
RT: 12.268 min Scan# 768
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

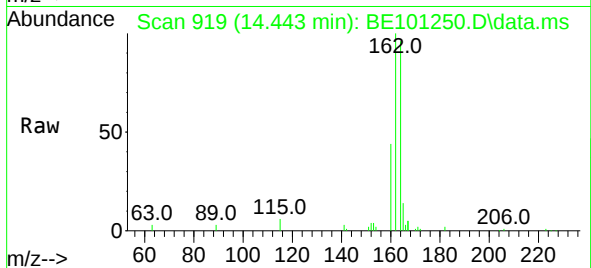
Tgt Ion:142 Resp: 6032
Ion Ratio Lower Upper
142 100
141 86.9 73.0 109.6
115 38.8 27.8 41.8



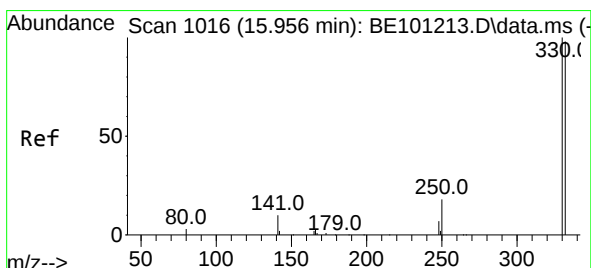
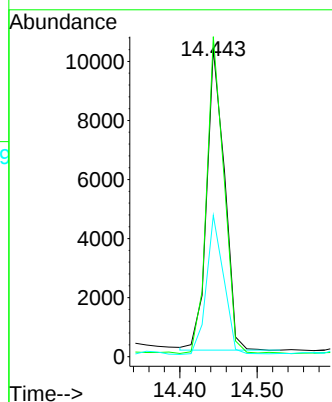
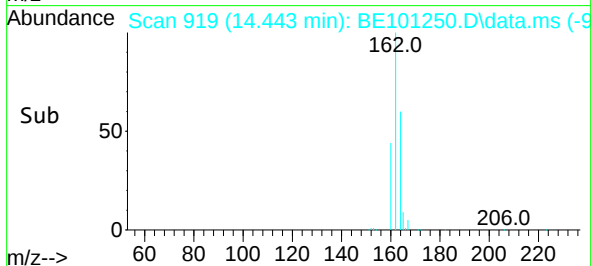


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.443 min Scan# 919
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

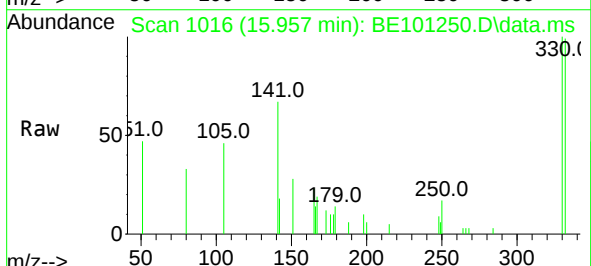
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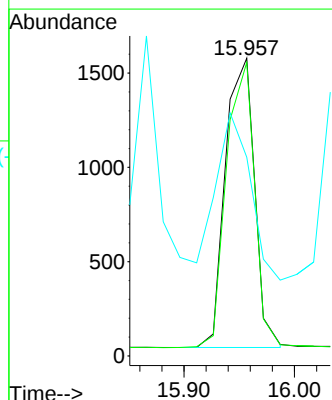
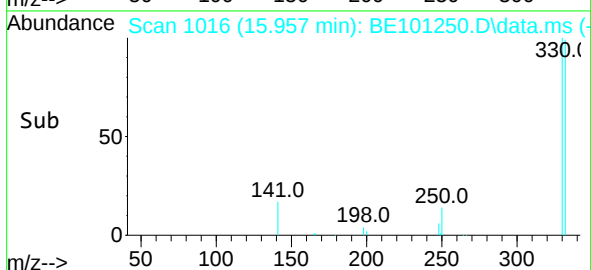
Tgt Ion:164 Resp: 16246
Ion Ratio Lower Upper
164 100
162 103.9 85.3 127.9
160 45.9 39.1 58.7

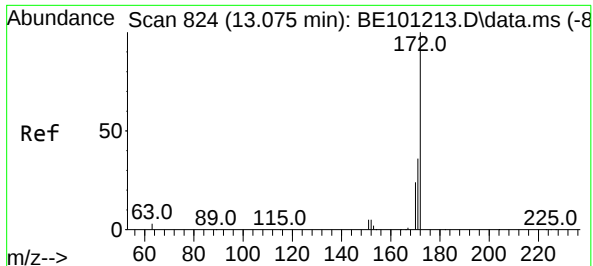


#14
2,4,6-Tribromophenol
Concen: 0.64 ng
RT: 15.957 min Scan# 1016
Delta R.T. 0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



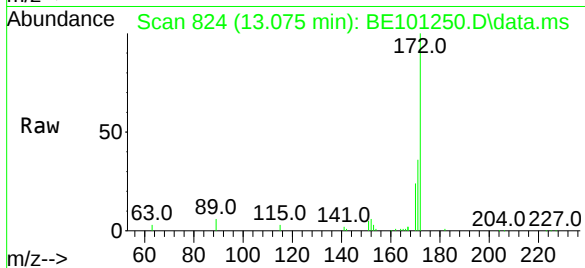
Tgt Ion:330 Resp: 2807
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 67.5 30.4 45.6#



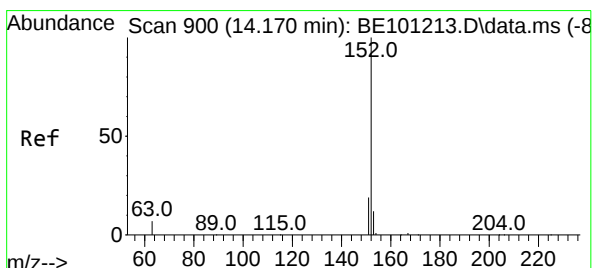
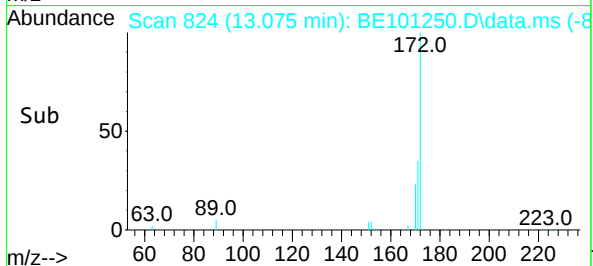
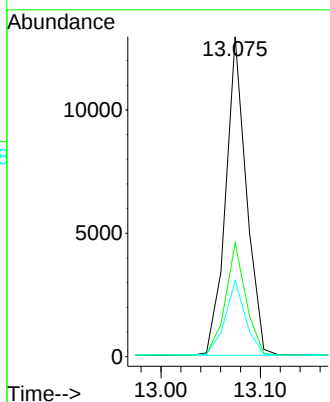


#15
2-Fluorobiphenyl
Concen: 0.32 ng
RT: 13.075 min Scan# 824
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

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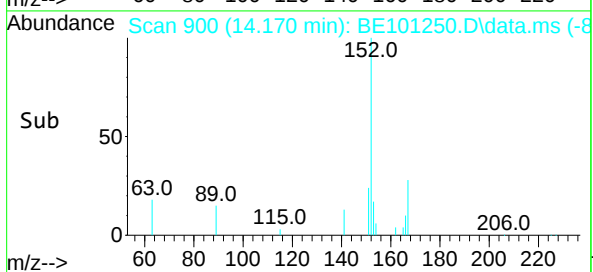
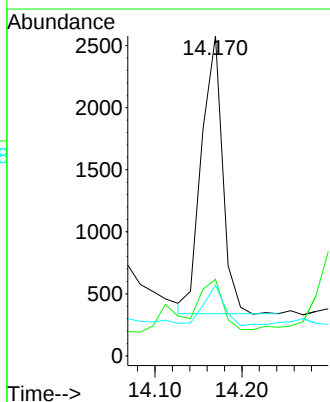
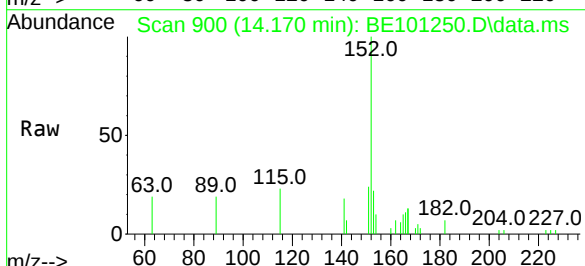


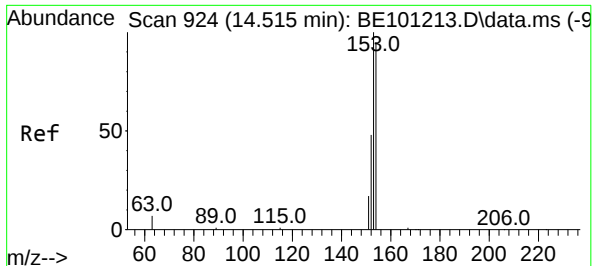
Tgt Ion:	172	Resp:	18667
Ion Ratio	100	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.9	19.3	28.9



#16
Acenaphthylene
Concen: 0.06 ng
RT: 14.170 min Scan# 900
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:	152	Resp:	3760
Ion Ratio	100	Lower	Upper
152	100		
151	33.7	15.4	23.2#
153	13.1	10.0	15.0





#17

Acenaphthene

Concen: 0.05 ng

RT: 14.515 min Scan# 924

Delta R.T. -0.000 min

Lab File: BE101250.D

Acq: 8 Apr 2021 17:23

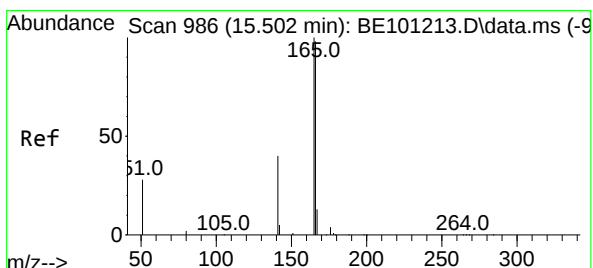
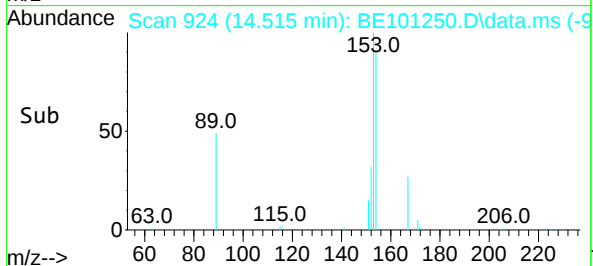
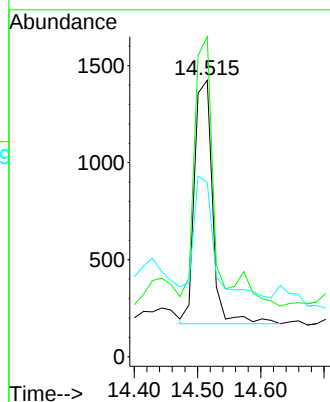
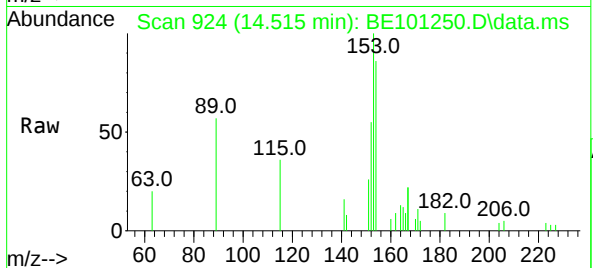
Instrument :

BNA_E

ClientSampleId :

GWBR3-200-220-040721

Tgt Ion:	154	Resp:	2486
Ion	Ratio	Lower	Upper
154	100		
153	102.0	84.9	127.3
152	55.0	42.7	64.1



#18

Fluorene

Concen: 0.09 ng

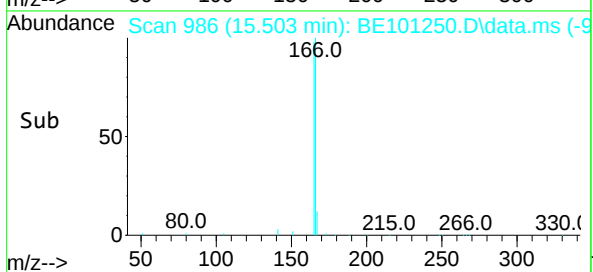
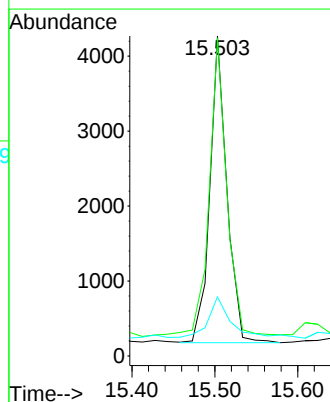
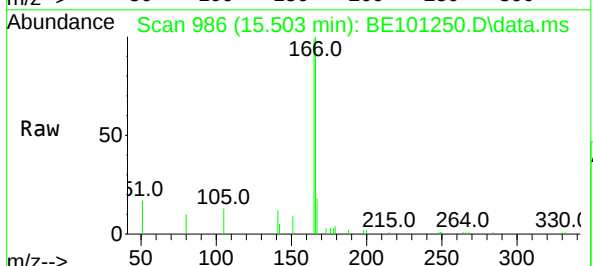
RT: 15.503 min Scan# 986

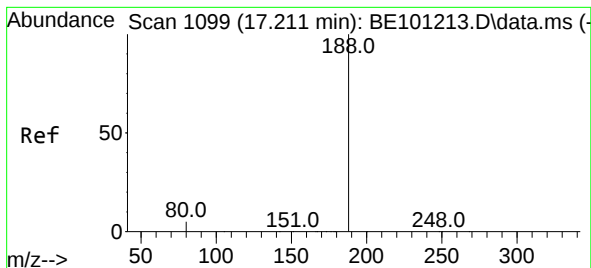
Delta R.T. 0.002 min

Lab File: BE101250.D

Acq: 8 Apr 2021 17:23

Tgt Ion:	166	Resp:	5834
Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.0	118.4
167	18.7	11.0	16.4

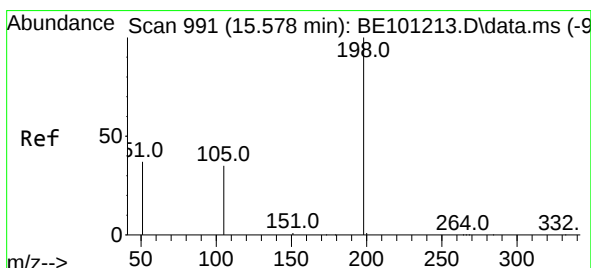
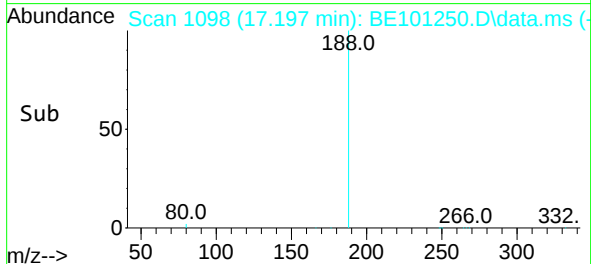
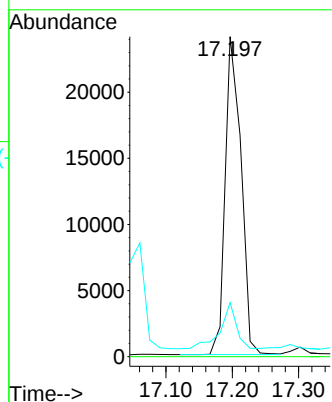
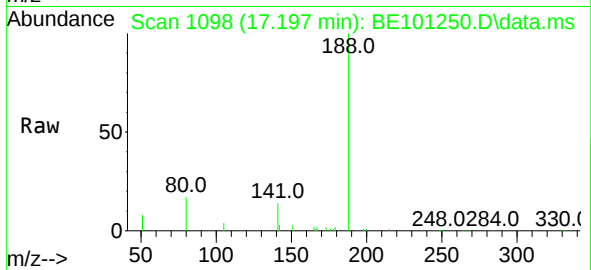




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.197 min Scan# 1098
Delta R.T. -0.013 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

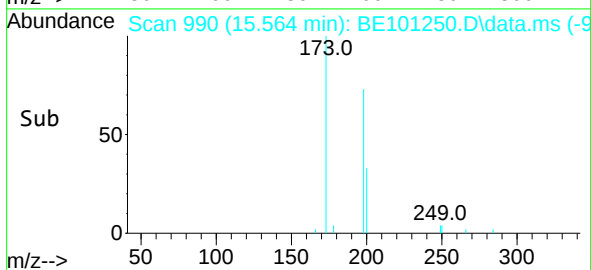
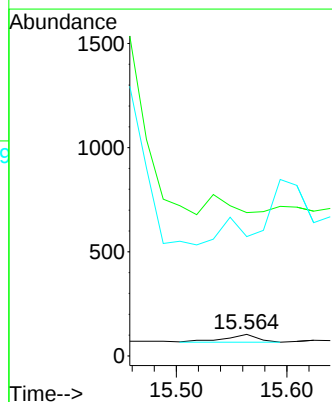
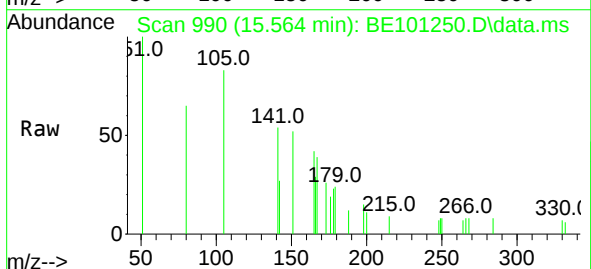
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

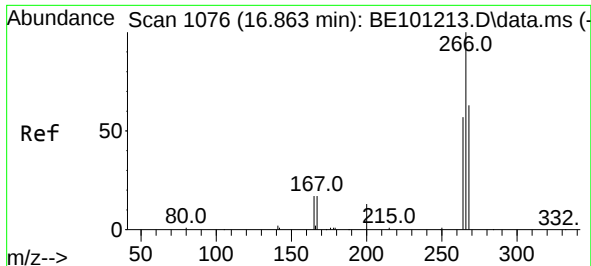
Tgt Ion:188 Resp: 39969
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.9 4.6 6.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.08 ng
RT: 15.564 min Scan# 990
Delta R.T. -0.013 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:198 Resp: 78
Ion Ratio Lower Upper
198 100
51 661.5 55.9 83.9#
105 551.0 33.6 50.4#

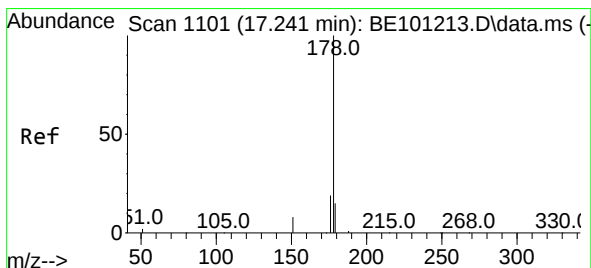
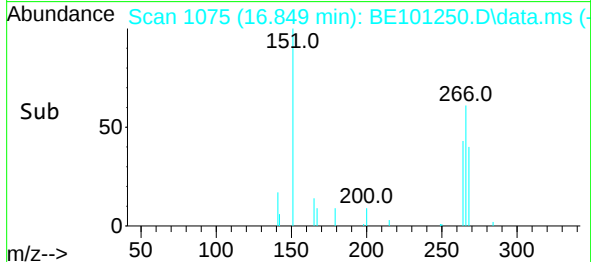
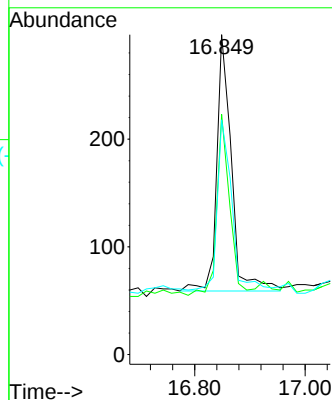
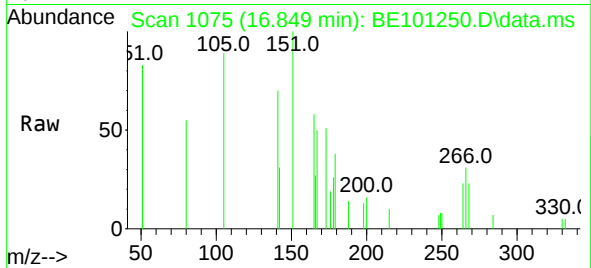




#24
Pentachlorophenol
Concen: 0.06 ng
RT: 16.849 min Scan# 1075
Delta R.T. -0.013 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

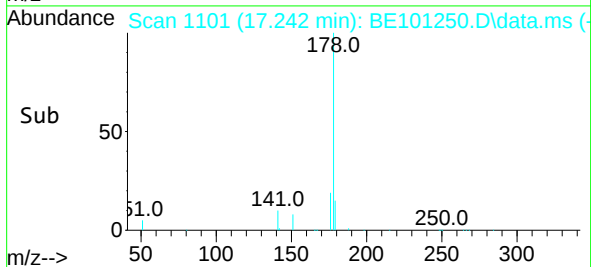
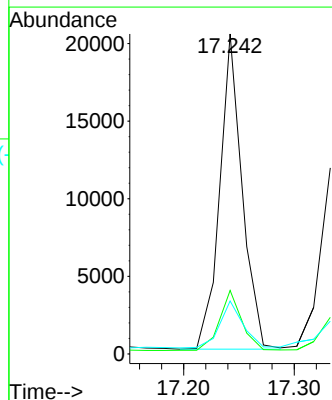
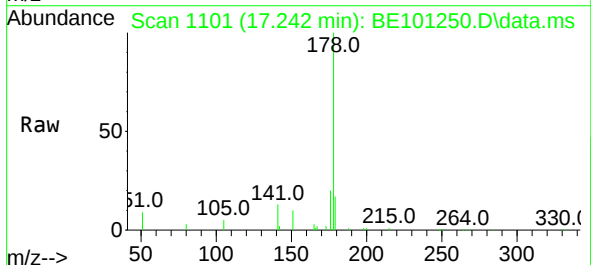
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

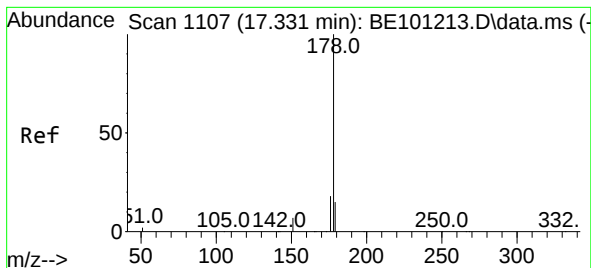
Tgt Ion:266 Resp: 435
Ion Ratio Lower Upper
266 100
264 61.8 49.1 73.7
268 64.1 50.6 76.0



#25
Phenanthrene
Concen: 0.24 ng
RT: 17.242 min Scan# 1101
Delta R.T. 0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:178 Resp: 28669
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.5 12.2 18.4

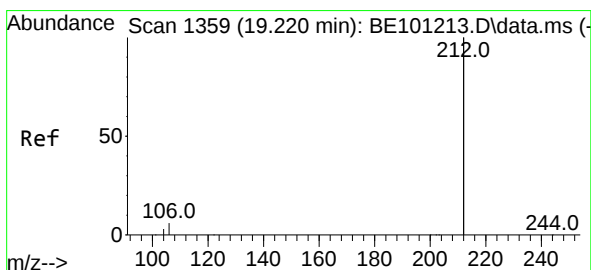
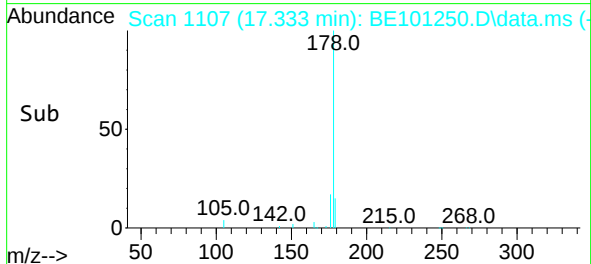
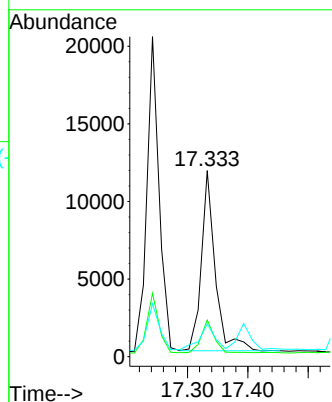
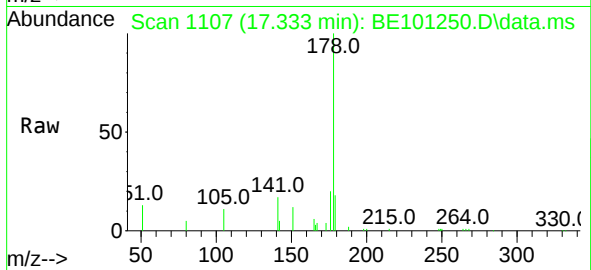




#26
 Anthracene
 Concen: 0.18 ng
 RT: 17.333 min Scan# 1107
 Delta R.T. 0.002 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23

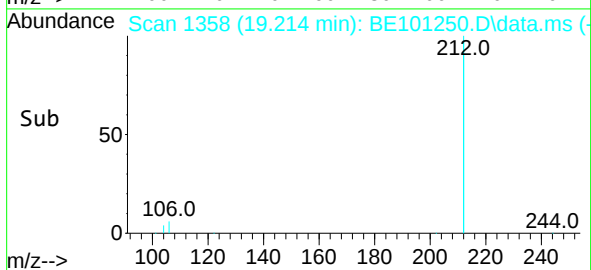
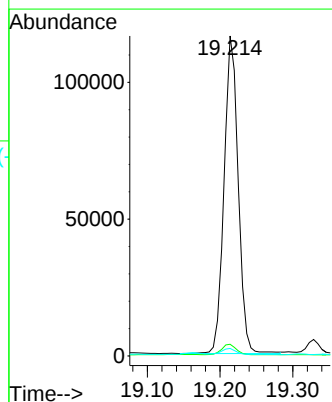
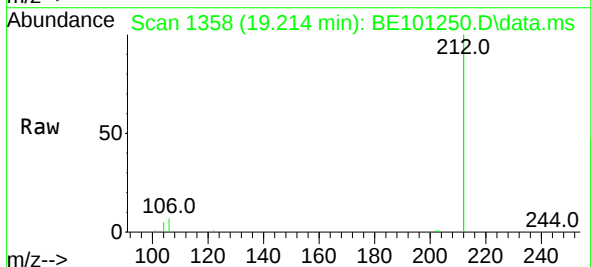
Instrument :
 BNA_E
 ClientSampleId :
 GWBR3-200-220-040721

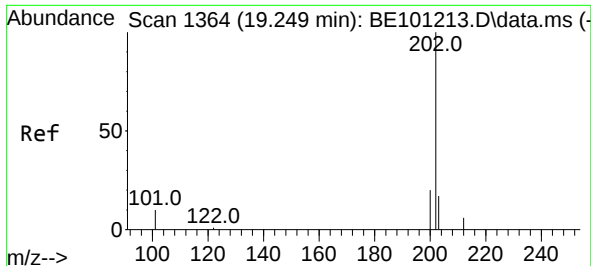
Tgt Ion:178 Resp: 18511
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.4 21.6
 179 15.6 11.8 17.8



#27
 Fluoranthene-d10
 Concen: 0.23 ng
 RT: 19.214 min Scan# 1358
 Delta R.T. -0.001 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23

Tgt Ion:212 Resp: 156161
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.6 4.0
 104 1.9 1.4 2.2

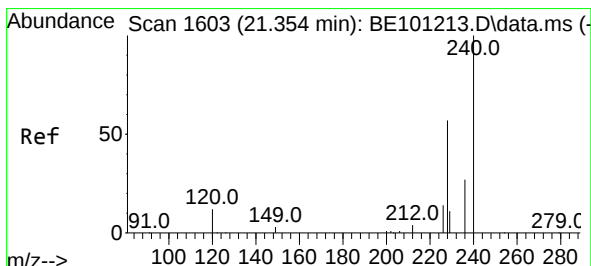
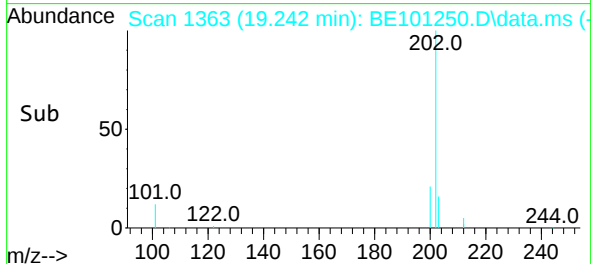
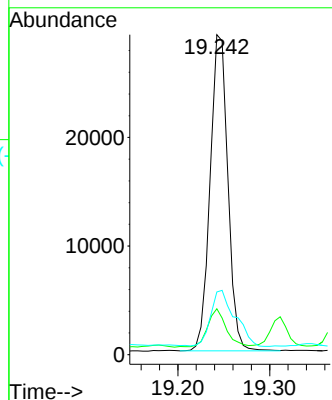
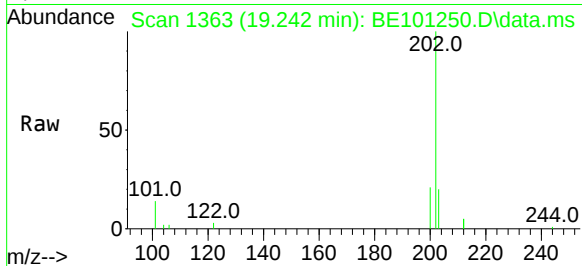




#28
Fluoranthene
Concen: 0.25 ng
RT: 19.242 min Scan# 1363
Delta R.T. -0.001 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

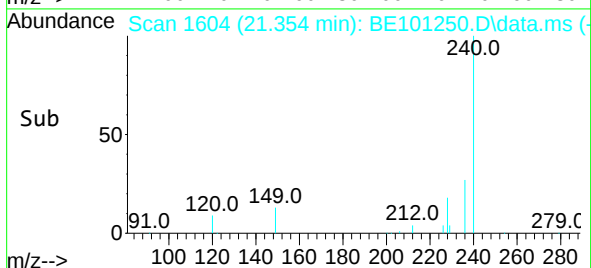
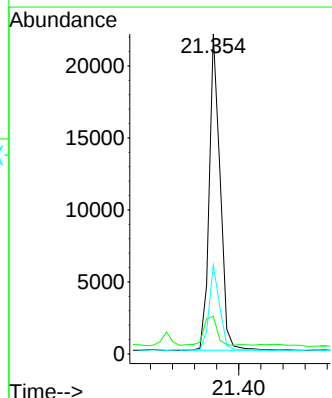
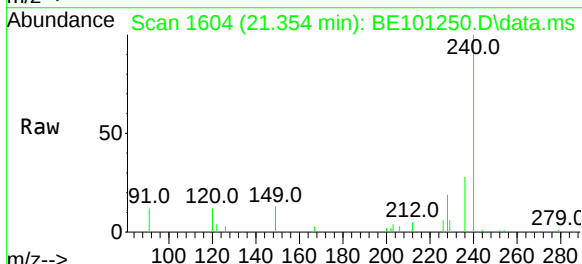
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

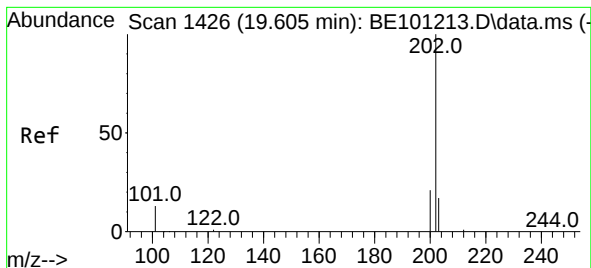
Tgt Ion:202 Resp: 39130
Ion Ratio Lower Upper
202 100
101 12.8 9.1 13.7
203 24.3 13.6 20.4#



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.354 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:240 Resp: 29883
Ion Ratio Lower Upper
240 100
120 11.8 10.2 15.4
236 27.9 21.7 32.5





#30

Pyrene

Concen: 0.35 ng

RT: 19.604 min Scan# 1426

Delta R.T. -0.001 min

Lab File: BE101250.D

Acq: 8 Apr 2021 17:23

Tgt Ion:202 Resp: 37983

Ion Ratio Lower Upper

202 100

200 22.7 16.6 24.8

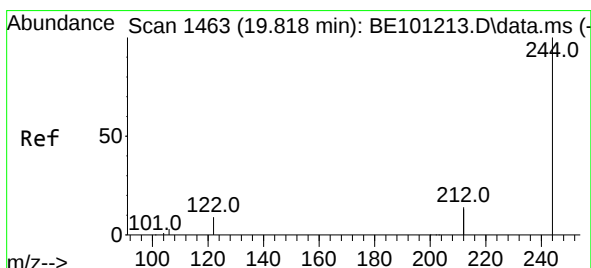
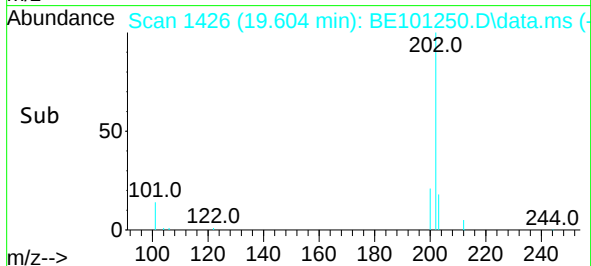
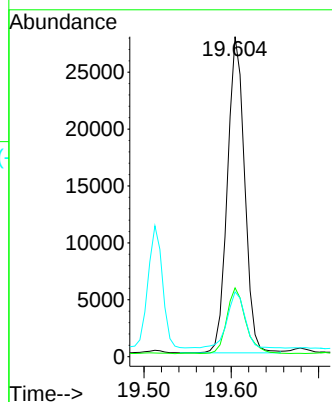
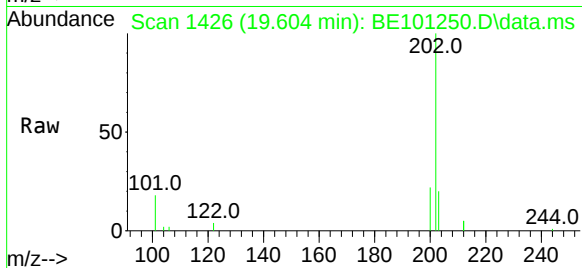
203 18.3 13.8 20.8

Instrument :

BNA_E

ClientSampleId :

GWBR3-200-220-040721



#31

Terphenyl-d14

Concen: 0.44 ng

RT: 19.811 min Scan# 1462

Delta R.T. -0.001 min

Lab File: BE101250.D

Acq: 8 Apr 2021 17:23

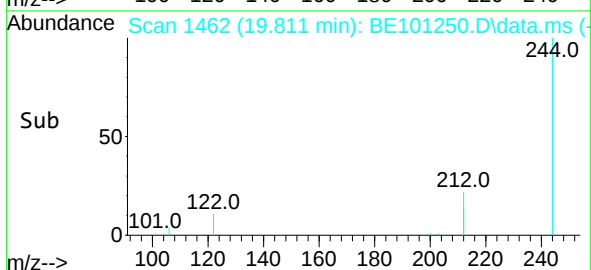
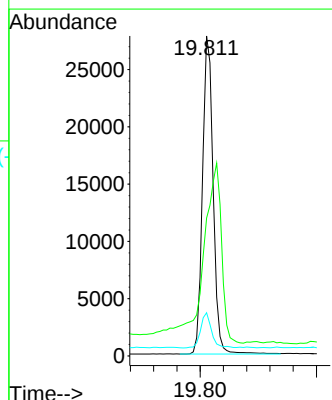
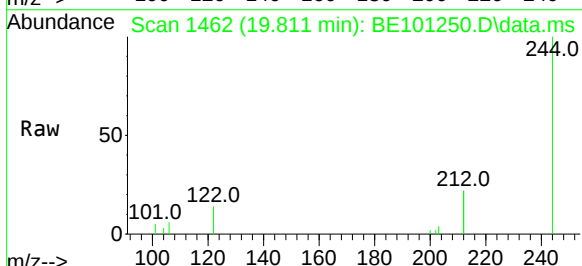
Tgt Ion:244 Resp: 35333

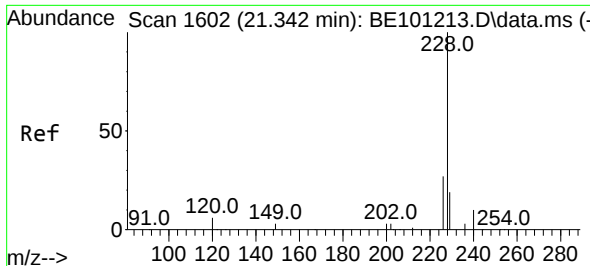
Ion Ratio Lower Upper

244 100

212 43.1 21.9 32.9#

122 13.5 7.3 10.9#

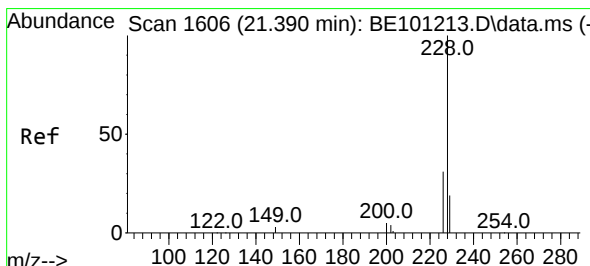
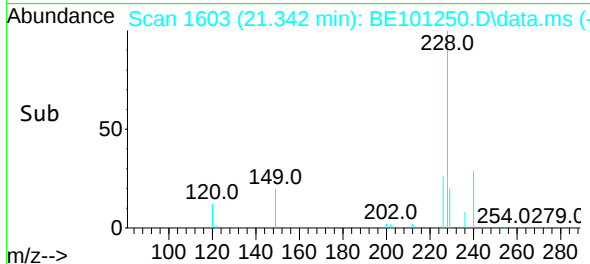
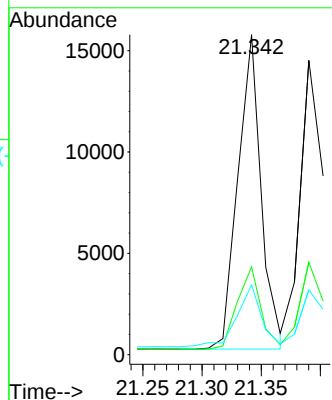
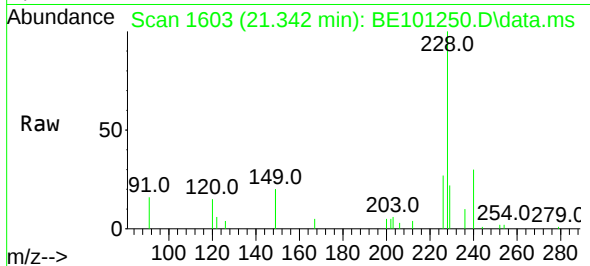




#32
Benzo(a)anthracene
Concen: 0.25 ng
RT: 21.342 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

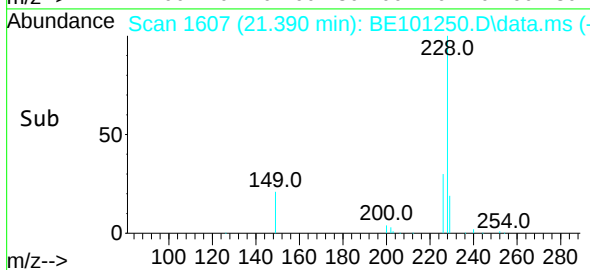
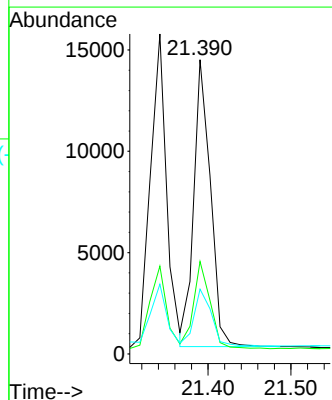
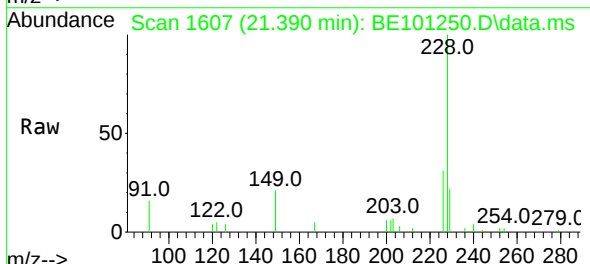
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

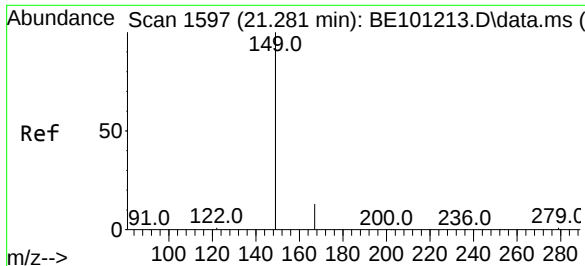
Tgt Ion:228 Resp: 21106
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 21.8 15.7 23.5



#33
Chrysene
Concen: 0.20 ng
RT: 21.390 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:228 Resp: 19724
Ion Ratio Lower Upper
228 100
226 31.4 24.8 37.2
229 22.0 15.2 22.8

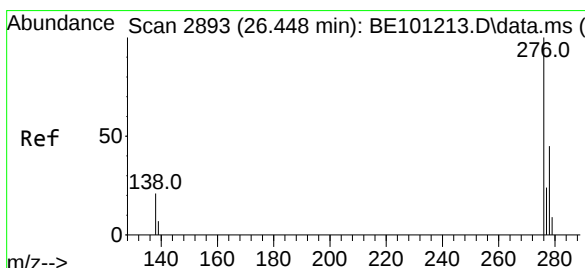
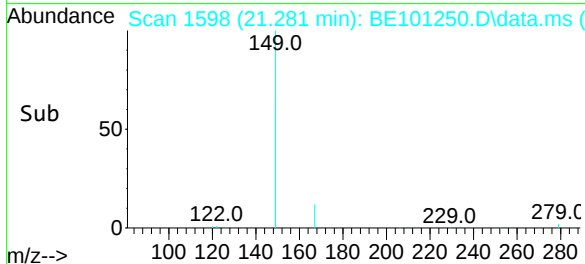
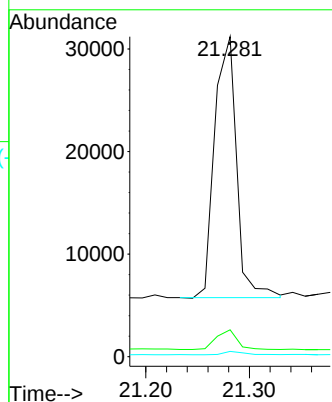
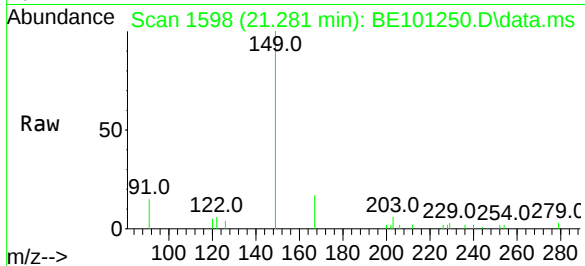




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.61 ng
RT: 21.281 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

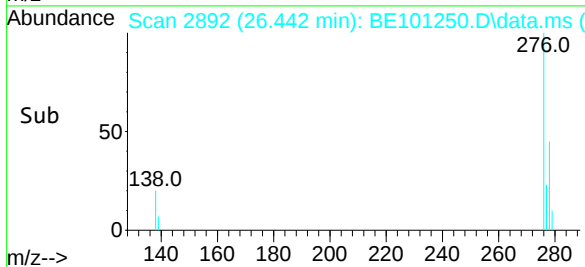
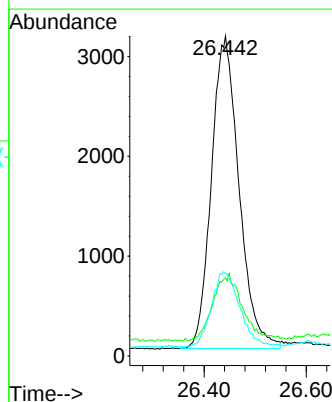
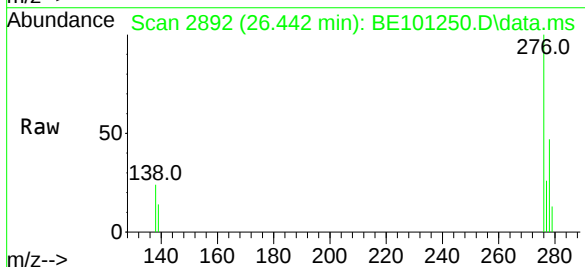
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

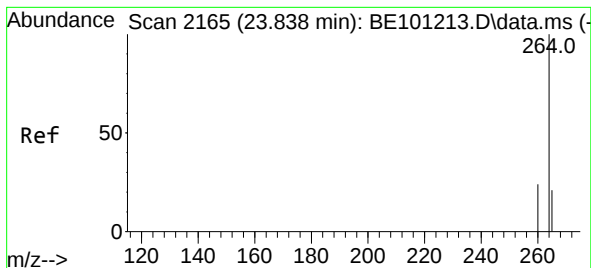
Tgt Ion:149 Resp: 37365
Ion Ratio Lower Upper
149 100
167 7.1 5.5 8.3
279 1.2 1.0 1.4



#35
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng
RT: 26.442 min Scan# 2892
Delta R.T. -0.003 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

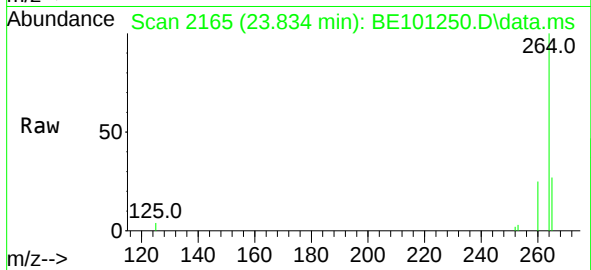
Tgt Ion:276 Resp: 11707
Ion Ratio Lower Upper
276 100
138 23.0 17.4 26.0
277 24.5 19.8 29.8



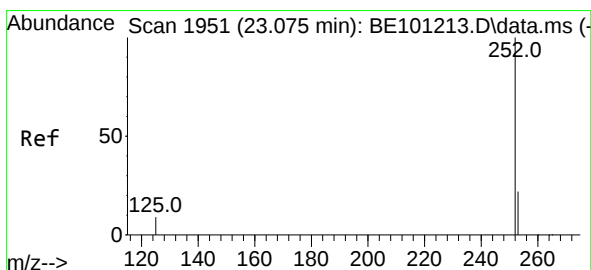
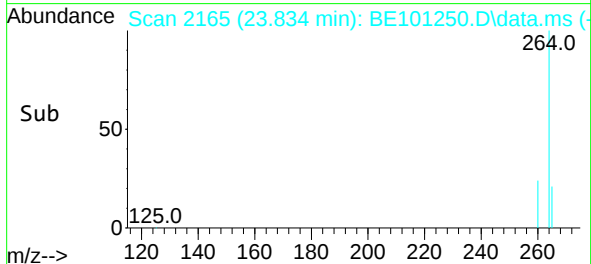
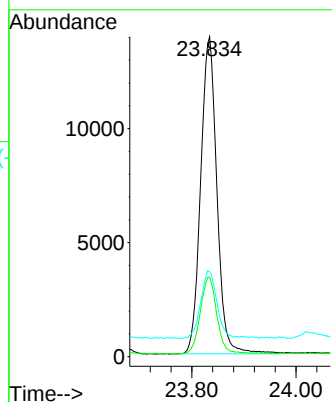


#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.834 min Scan# 2165
 Delta R.T. -0.001 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23

Instrument :
 BNA_E
 ClientSampleId :
 GWBR3-200-220-040721

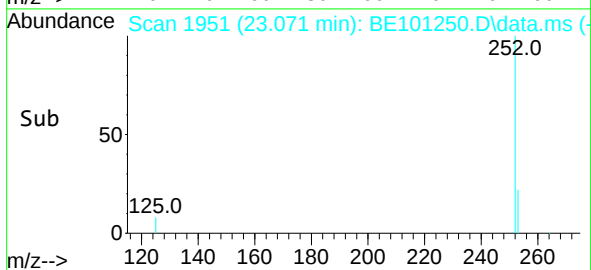
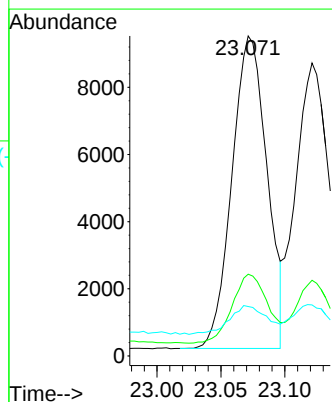
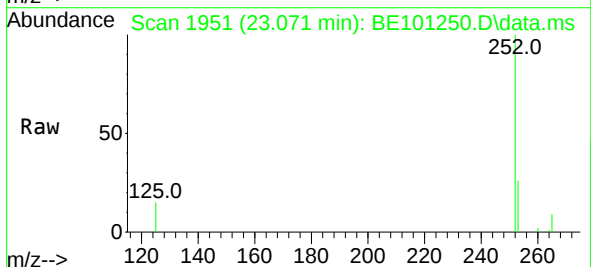


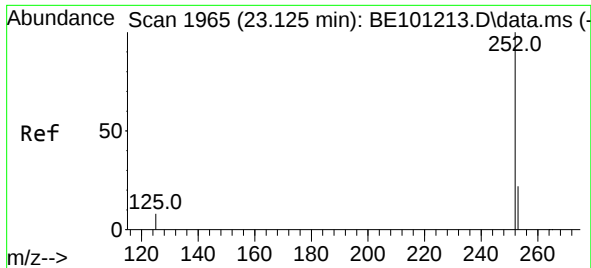
Tgt Ion:264 Resp: 30122
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.3 28.9
 265 26.5 22.4 33.6



#37
 Benzo(b)fluoranthene
 Concen: 0.18 ng
 RT: 23.071 min Scan# 1951
 Delta R.T. -0.004 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23

Tgt Ion:252 Resp: 17740
 Ion Ratio Lower Upper
 252 100
 253 25.6 18.1 27.1
 125 15.4 7.6 11.4#

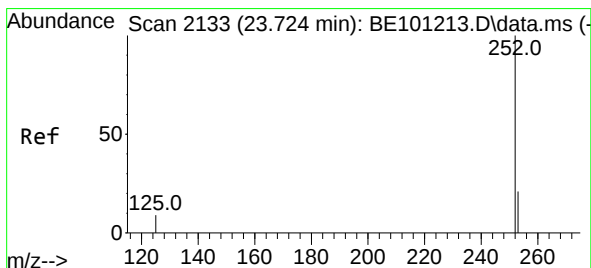
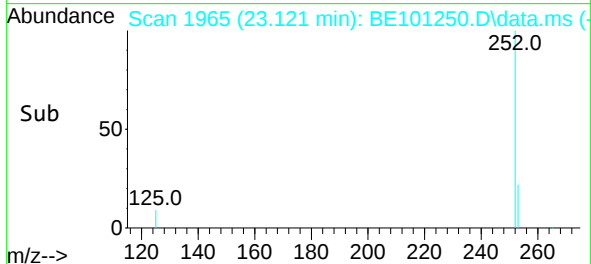
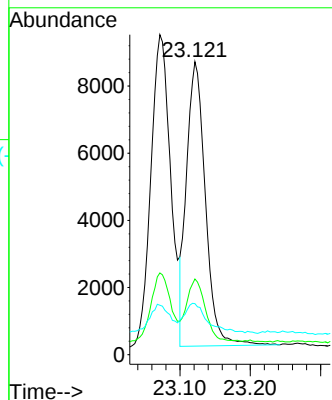
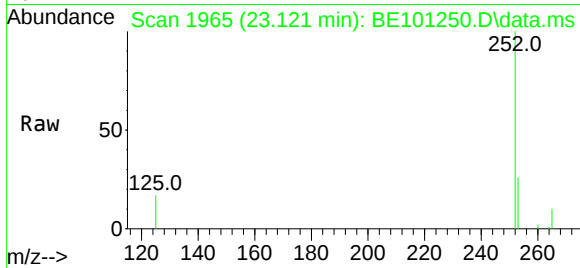




#38
Benzo(k)fluoranthene
Concen: 0.14 ng
RT: 23.121 min Scan# 1965
Delta R.T. -0.004 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

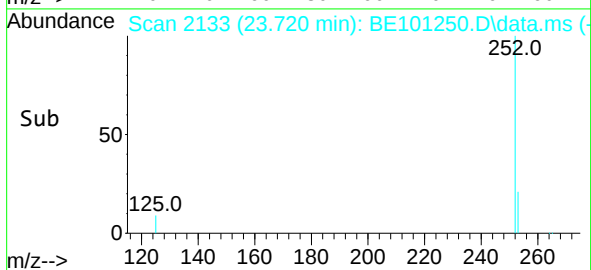
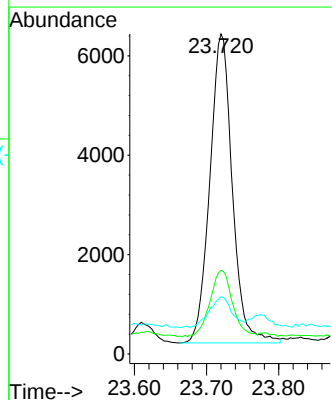
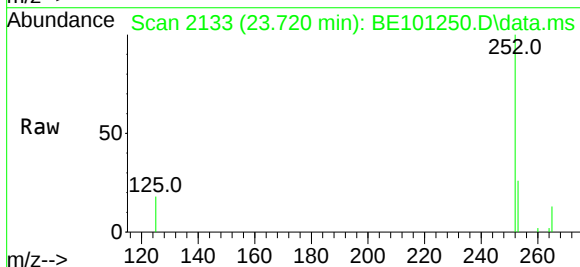
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

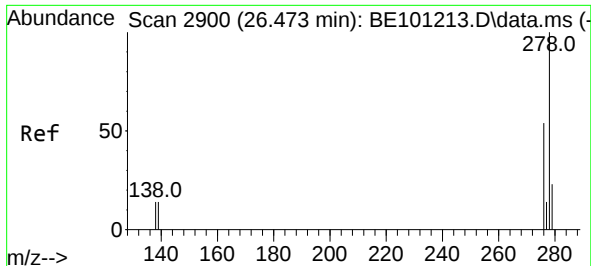
Tgt Ion:252 Resp: 15786
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.6
125 17.4 7.6 11.4#



#39
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.720 min Scan# 2133
Delta R.T. -0.004 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:252 Resp: 13458
Ion Ratio Lower Upper
252 100
253 26.1 18.0 27.0
125 17.9 8.0 12.0#

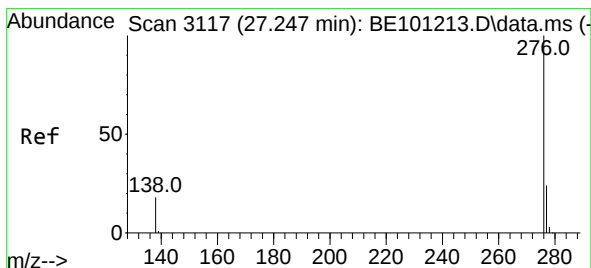
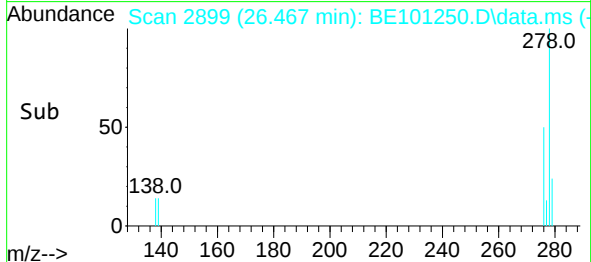
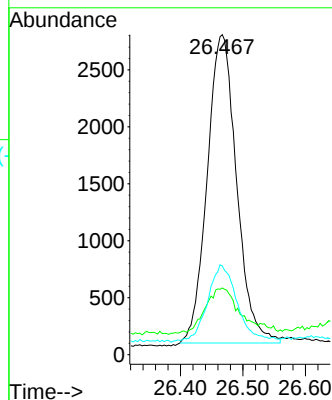
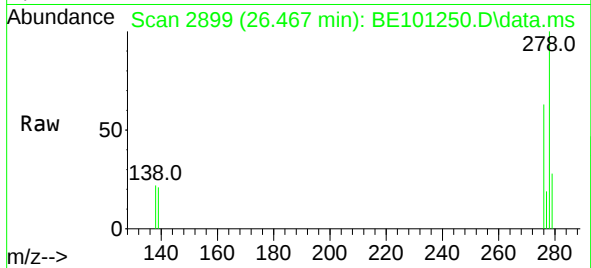




#40
Dibenzo(a,h)anthracene
Concen: 0.11 ng
RT: 26.467 min Scan# 2899
Delta R.T. -0.006 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

Tgt Ion:278 Resp: 8856
Ion Ratio Lower Upper
278 100
139 20.9 12.2 18.2#
279 27.7 19.3 28.9



#41
Benzo(g,h,i)perylene
Concen: 0.12 ng
RT: 27.241 min Scan# 3116
Delta R.T. -0.003 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:276 Resp: 10338
Ion Ratio Lower Upper
276 100
277 25.5 19.4 29.0
138 23.1 15.2 22.8#

