

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
 Data File : BE101251.D
 Acq On : 8 Apr 2021 18:01
 Operator : CG/JU
 Sample : M1966-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-123R

Quant Time: Apr 09 01:28:58 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)

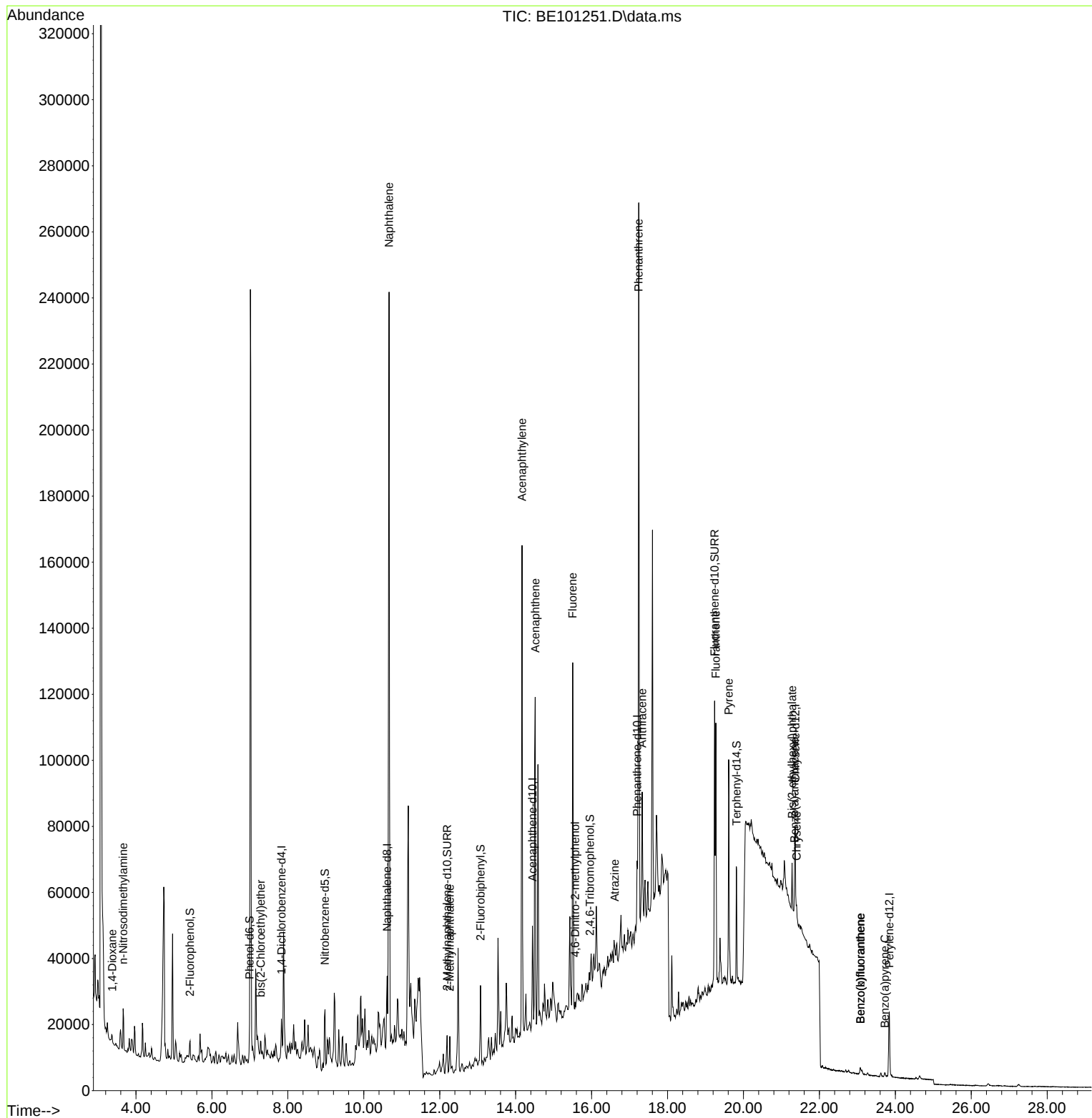
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	4688	0.40	ng	# 0.00
7) Naphthalene-d8	10.614	136	23045	0.40	ng	# 0.00
13) Acenaphthene-d10	14.442	164	21917	0.40	ng	# 0.00
19) Phenanthrene-d10	17.196	188	31100	0.40	ng	#-0.01
29) Chrysene-d12	21.365	240	30600	0.40	ng	0.01
36) Perylene-d12	23.841	264	28896	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	3479	0.32	ng	0.00
5) Phenol-d6	6.990	99	2557	0.15	ng	0.00
8) Nitrobenzene-d5	8.977	82	7784	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.195	152	13634	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.956	330	2346	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.074	172	20109	0.26	ng	0.00
27) Fluoranthene-d10	19.238	212	124719	0.23	ng	0.02
31) Terphenyl-d14	19.819	244	31340	0.38	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.373	88	998	0.14	ng	# 1
3) n-Nitrosodimethylamine	3.661	42	1382	0.18	ng	# 7
6) bis(2-Chloroethyl)ether	7.289	93	972	0.06	ng	# 1
9) Naphthalene	10.666	128	367847	1.47	ng	100
12) 2-Methylnaphthalene	12.267	142	7407	0.16	ng	# 93
16) Acenaphthylene	14.169	152	161988	1.90	ng	97
17) Acenaphthene	14.515	154	64868	1.01	ng	94
18) Fluorene	15.503	166	80409	0.94	ng	97
20) 4,6-Dinitro-2-methylph...	15.563	198	490	0.21	ng	# 1
23) Atrazine	16.606	200	234	0.02	ng	# 1
25) Phenanthrene	17.241	178	220513	2.39	ng	98
26) Anthracene	17.332	178	40133	0.51	ng	# 85
28) Fluoranthene	19.273	202	76546	0.64	ng	98
30) Pyrene	19.612	202	58628	0.53	ng	# 93
32) Benzo(a)anthracene	21.341	228	5895	0.07	ng	# 47
33) Chrysene	21.401	228	5467	0.05	ng	# 41
34) Bis(2-ethylhexyl)phtha...	21.280	149	19146	0.31	ng	# 94
37) Benzo(b)fluoranthene	23.081	252	3331	0.04	ng	# 2
38) Benzo(k)fluoranthene	23.081	252	3327	0.03	ng	# 1
39) Benzo(a)pyrene	23.723	252	2269	0.03	ng	# 1

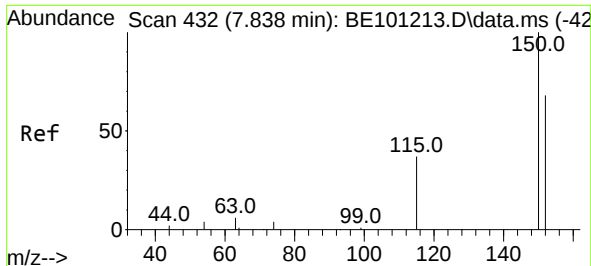
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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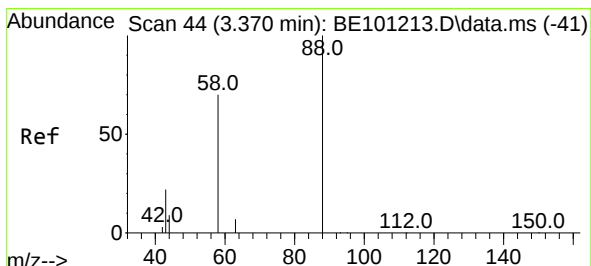
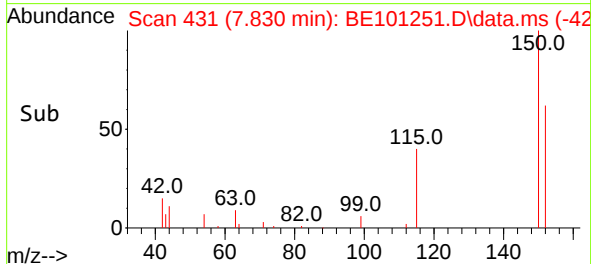
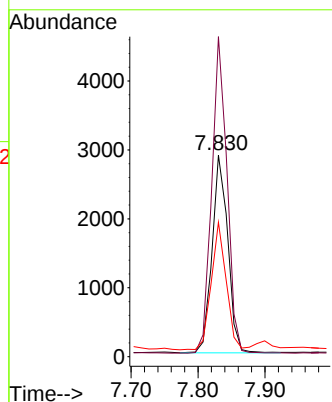
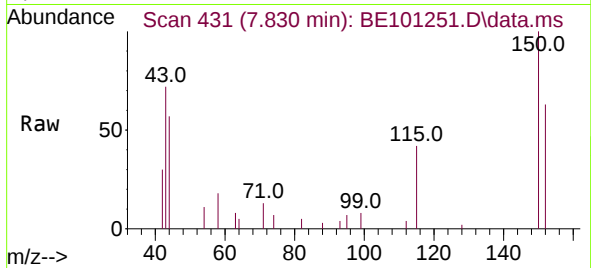




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.830 min Scan# 431
 Delta R.T. 0.000 min
 Lab File: BE101251.D
 Acq: 8 Apr 2021 18:01

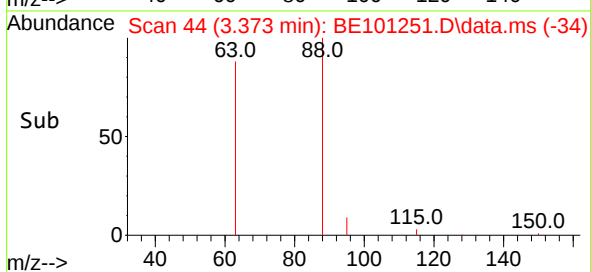
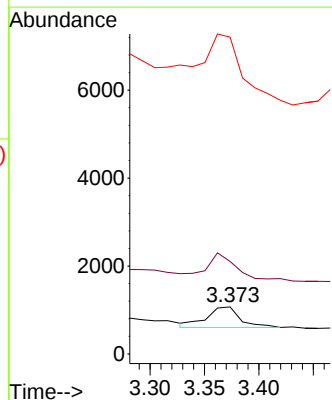
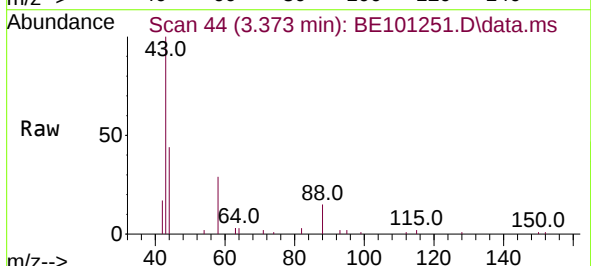
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 BNA_E
 ClientSampleId :
 MW-123R

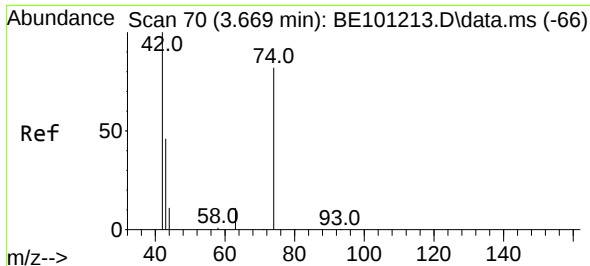
Tgt Ion:152 Resp: 4688
 Ion Ratio Lower Upper
 152 100
 150 158.8 116.9 175.3
 115 66.7 44.5 66.7#



#2
 1,4-Dioxane
 Concen: 0.14 ng
 RT: 3.373 min Scan# 44
 Delta R.T. 0.012 min
 Lab File: BE101251.D
 Acq: 8 Apr 2021 18:01

Tgt Ion: 88 Resp: 998
 Ion Ratio Lower Upper
 88 100
 58 101.4 73.6 110.4
 43 327.1 27.6 41.4#

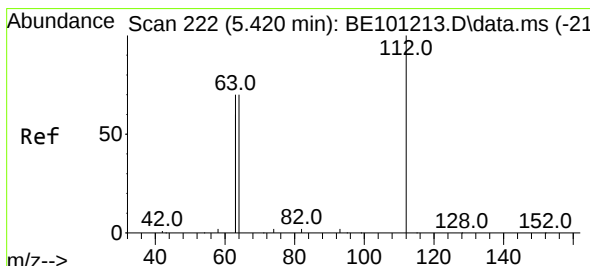
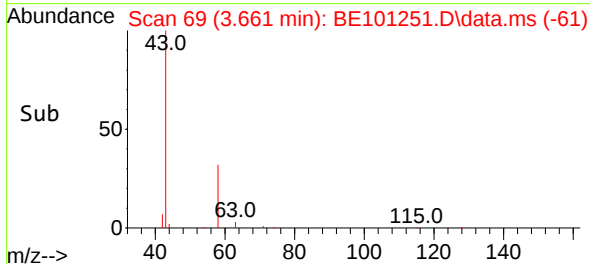
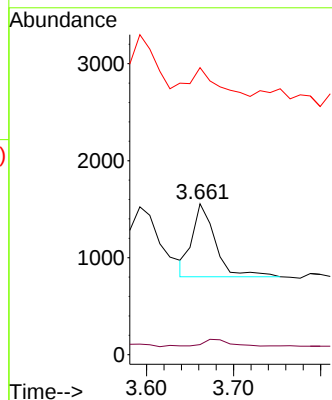
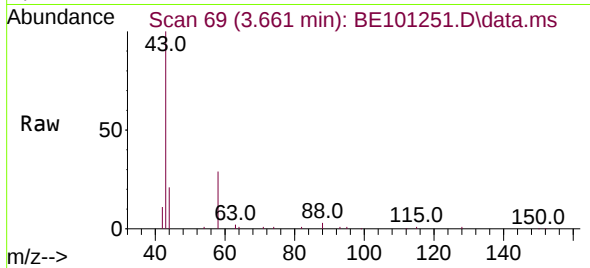




#3
n-Nitrosodimethylamine
Concen: 0.18 ng
RT: 3.661 min Scan# 69
Delta R.T. -0.011 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

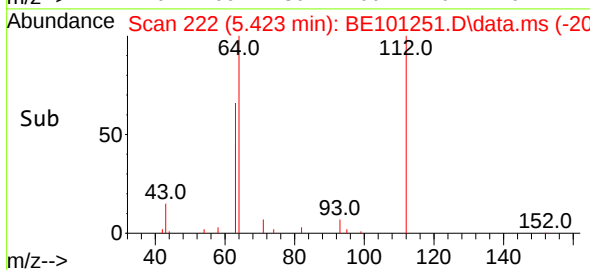
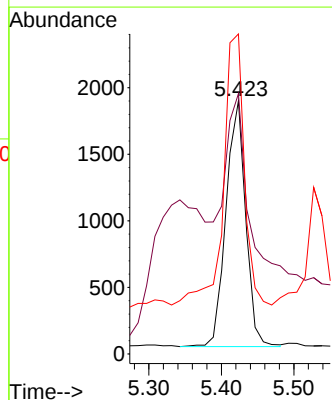
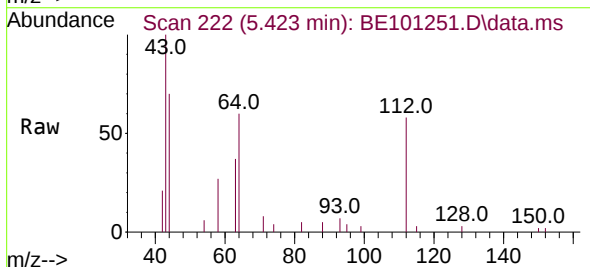
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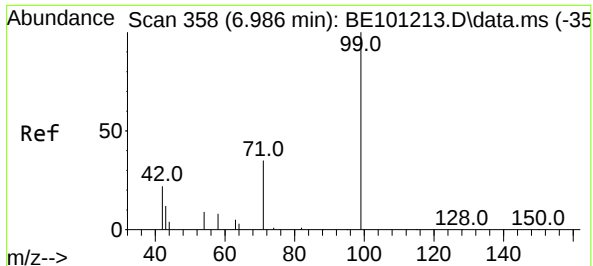
Tgt Ion: 42 Resp: 1382
Ion Ratio Lower Upper
42 100
74 9.3 92.7 139.1#
44 33.3 10.7 16.1#



#4
2-Fluorophenol
Concen: 0.32 ng
RT: 5.423 min Scan# 222
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion: 112 Resp: 3479
Ion Ratio Lower Upper
112 100
64 151.5 62.3 93.5#
63 115.6 117.3 175.9#

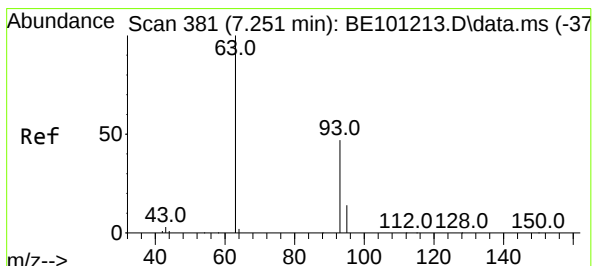
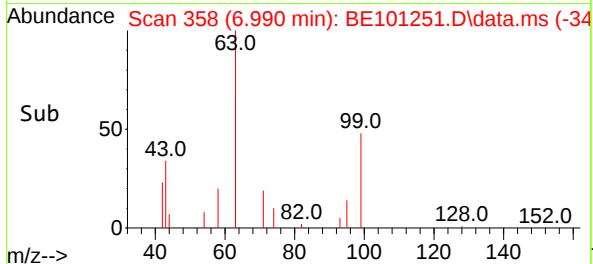
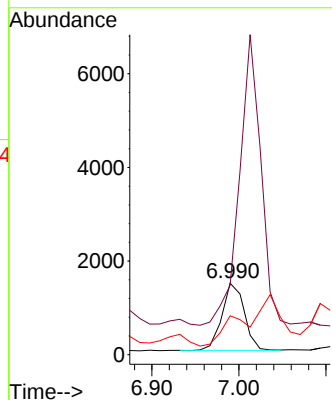
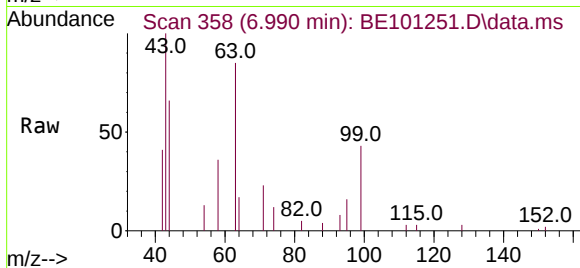




#5
Phenol-d6
Concen: 0.15 ng
RT: 6.990 min Scan# 358
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

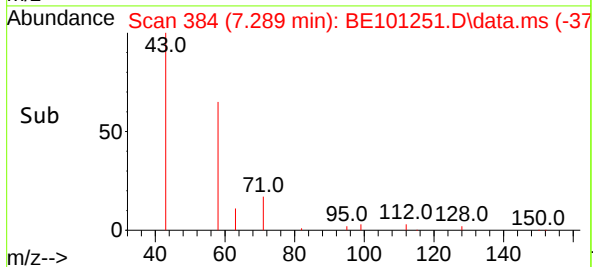
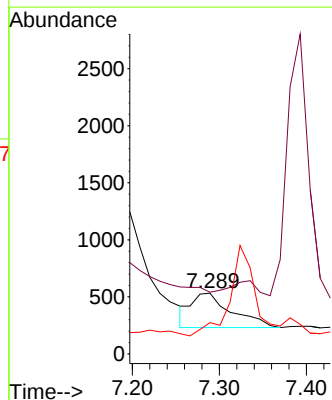
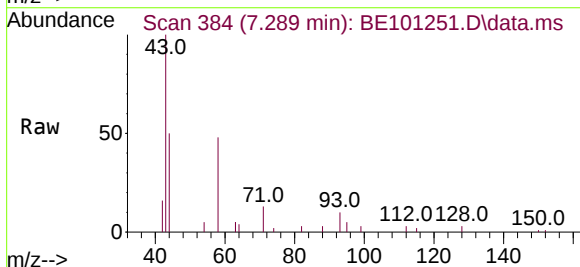
Instrument :
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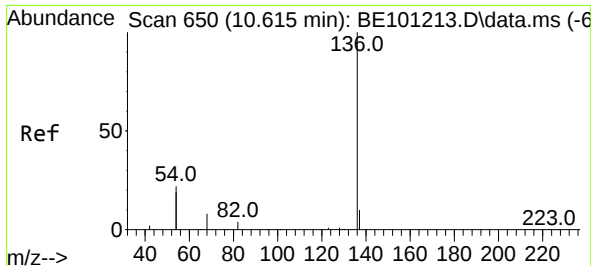
Tgt Ion: 99 Resp: 2557
Ion Ratio Lower Upper
99 100
42 0.0 18.5 27.7#
71 0.0 26.5 39.7#



#6
bis(2-Chloroethyl)ether
Concen: 0.06 ng
RT: 7.289 min Scan# 384
Delta R.T. 0.035 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion: 93 Resp: 972
Ion Ratio Lower Upper
93 100
63 0.0 292.5 438.7#
95 0.0 25.7 38.5#

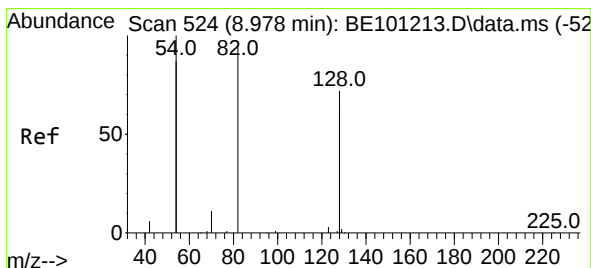
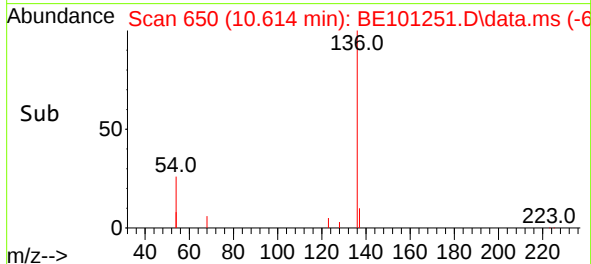
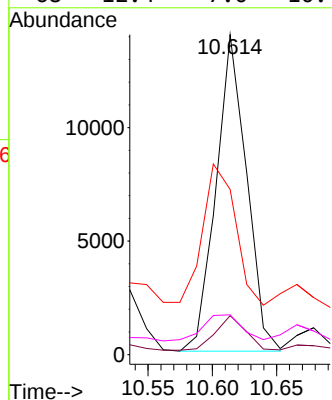
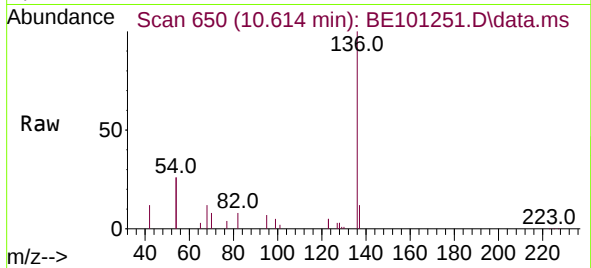




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

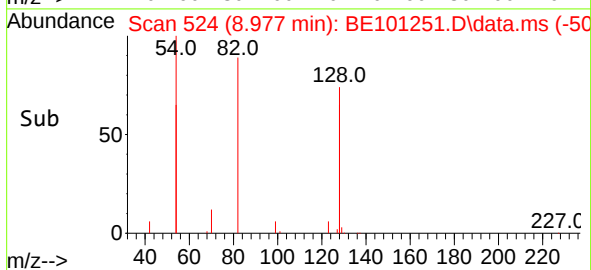
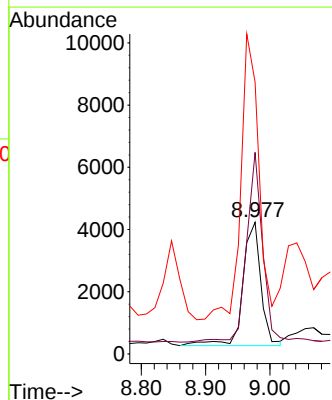
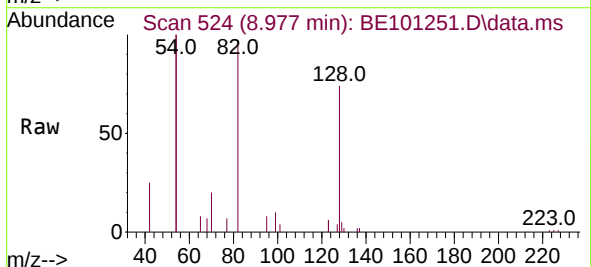
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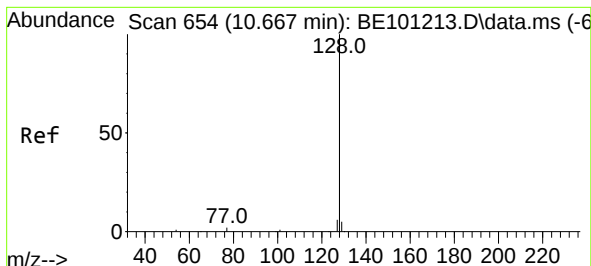
Tgt Ion:	136	Resp:	23045
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.6	13.0
54	51.6	34.7	52.1
68	12.4	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.45 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:	82	Resp:	7784
Ion	Ratio	Lower	Upper
82	100		
128	153.2	118.7	178.1
54	206.4	164.4	246.6

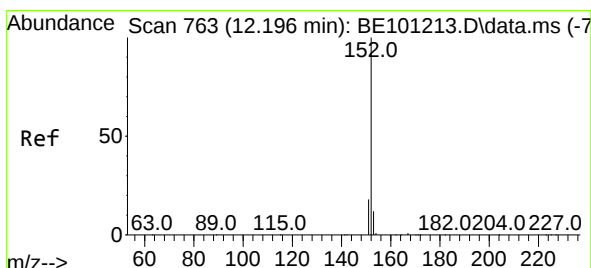
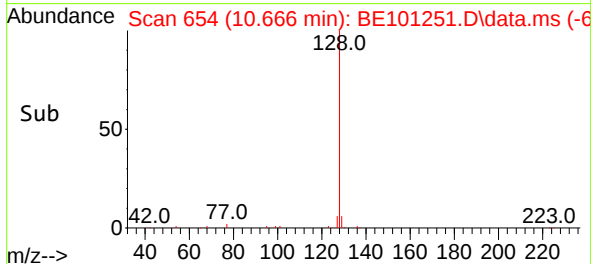
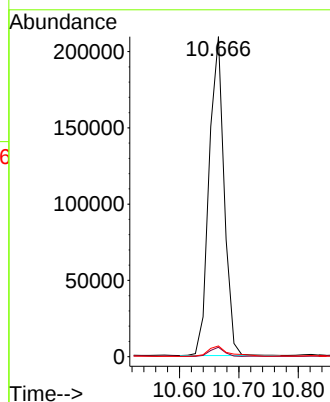
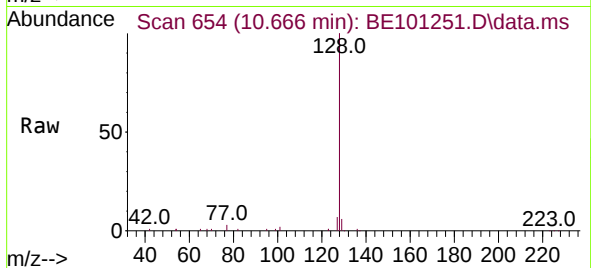




#9
Naphthalene
Concen: 1.47 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

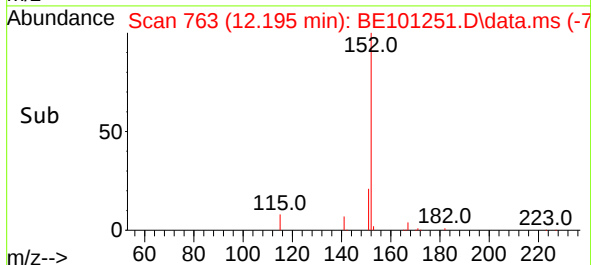
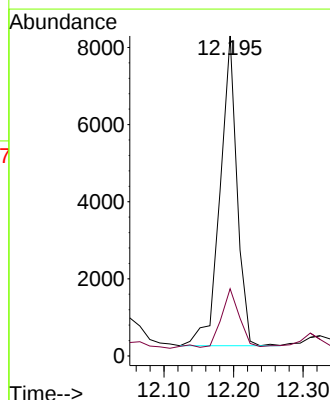
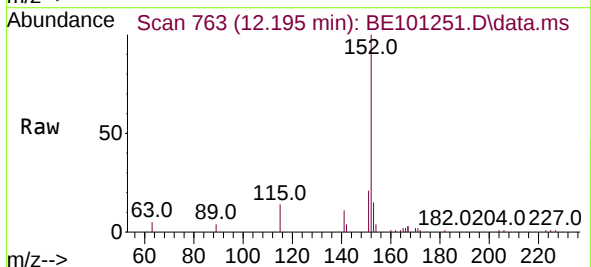
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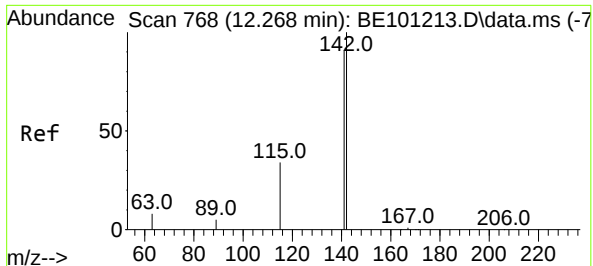
Tgt Ion:128 Resp: 367847
Ion Ratio Lower Upper
128 100
129 3.0 2.2 3.4
127 3.4 2.6 3.8



#11
2-Methylnaphthalene-d10
Concen: 0.25 ng
RT: 12.195 min Scan# 763
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:152 Resp: 13634
Ion Ratio Lower Upper
152 100
151 22.0 16.5 24.7





#12

2-Methylnaphthalene

Concen: 0.16 ng

RT: 12.267 min Scan# 768

Delta R.T. -0.001 min

Lab File: BE101251.D

Acq: 8 Apr 2021 18:01

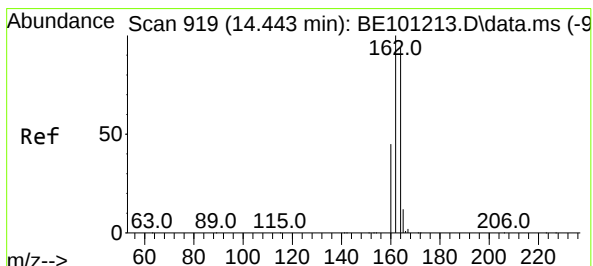
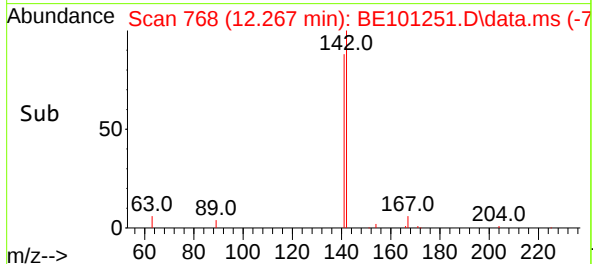
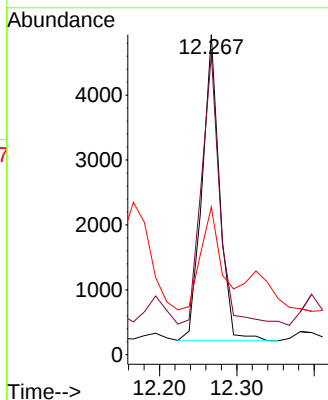
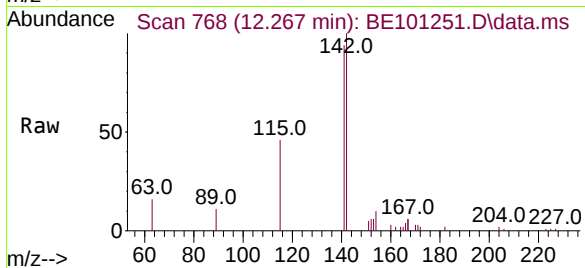
Instrument :

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Tgt Ion:	142	Resp:	7407
Ion Ratio	Lower	Upper	
142	100		
141	93.9	73.0	109.6
115	46.1	27.8	41.8#



#13

Acenaphthene-d10

Concen: 0.40 ng

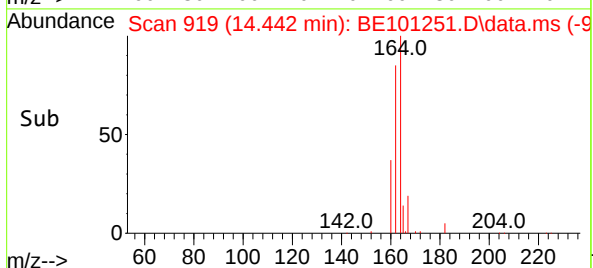
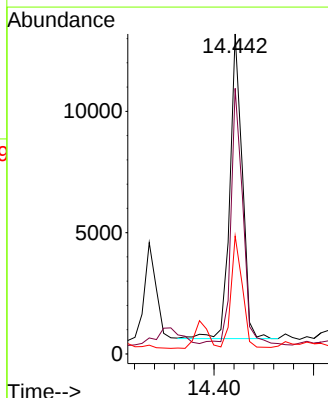
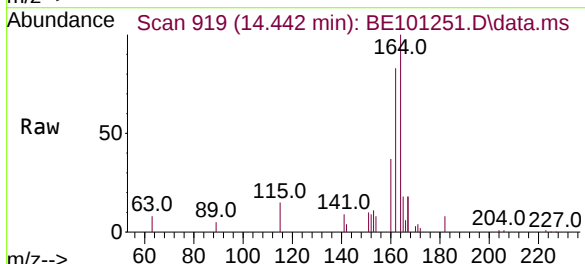
RT: 14.442 min Scan# 919

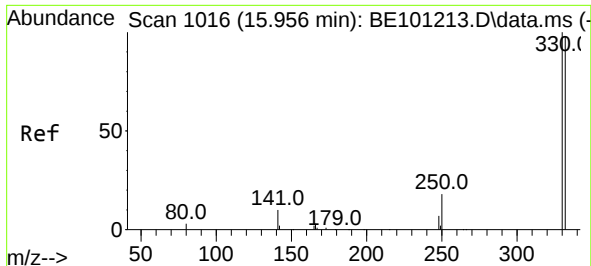
Delta R.T. -0.001 min

Lab File: BE101251.D

Acq: 8 Apr 2021 18:01

Tgt Ion:	164	Resp:	21917
Ion Ratio	Lower	Upper	
164	100		
162	83.0	85.3	127.9#
160	36.8	39.1	58.7#

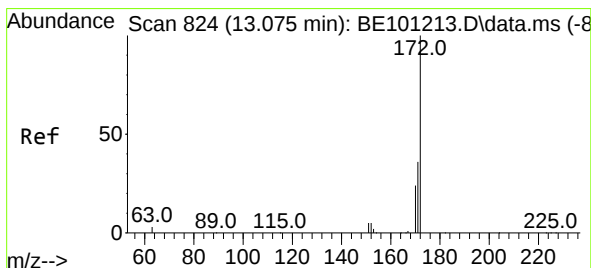
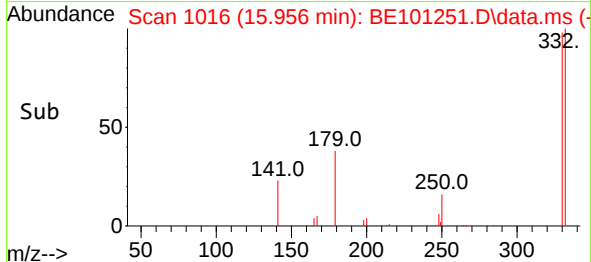
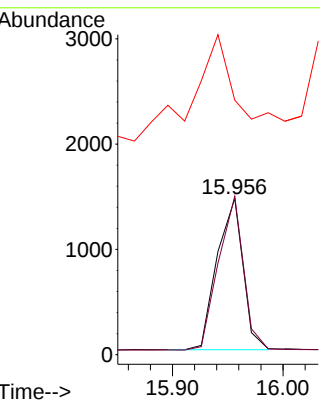
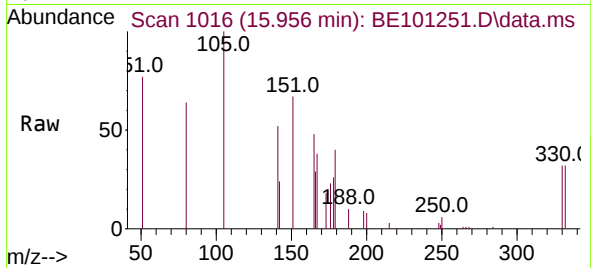




#14
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 15.956 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

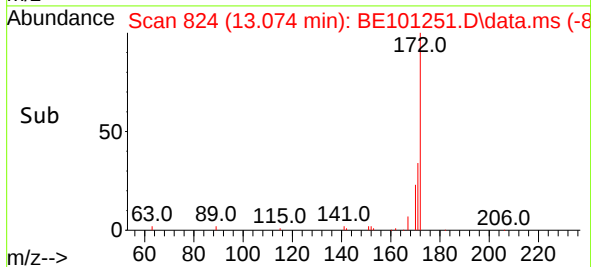
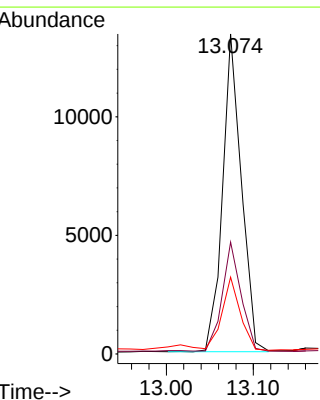
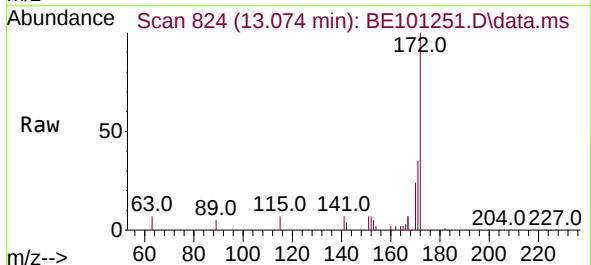
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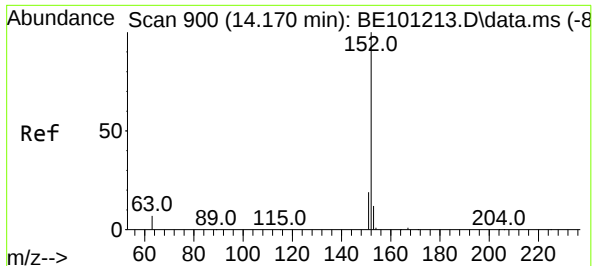
Tgt Ion:330 Resp: 2346
Ion Ratio Lower Upper
330 100
332 97.8 77.8 116.6
141 63.2 30.4 45.6#



#15
2-Fluorobiphenyl
Concen: 0.26 ng
RT: 13.074 min Scan# 824
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:172 Resp: 20109
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 24.0 19.3 28.9

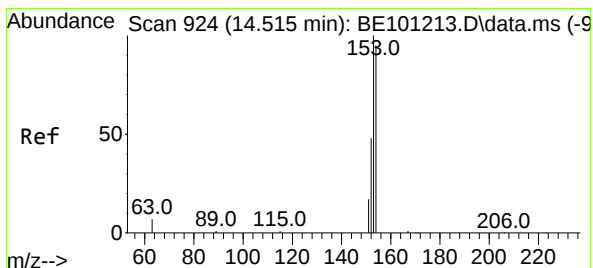
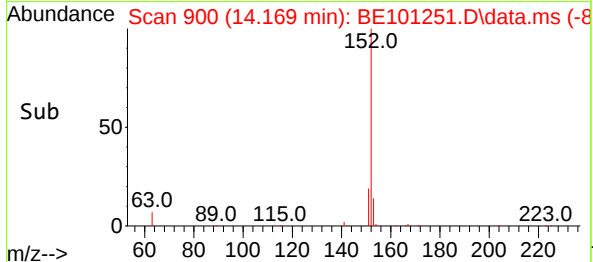
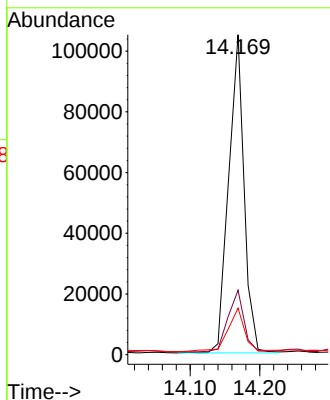
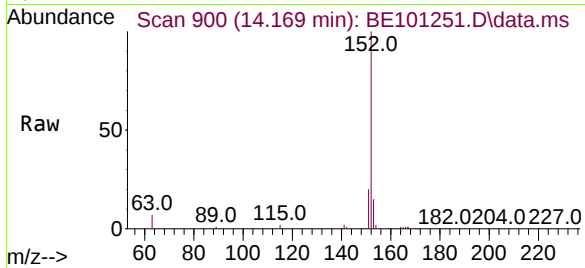




#16
Acenaphthylene
Concen: 1.90 ng
RT: 14.169 min Scan# 900
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

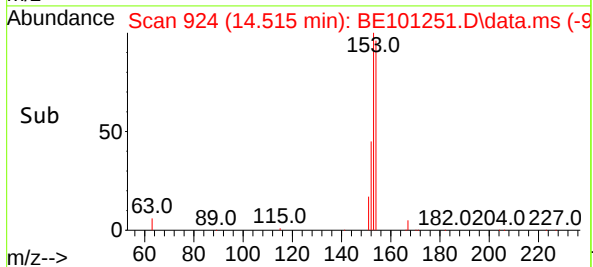
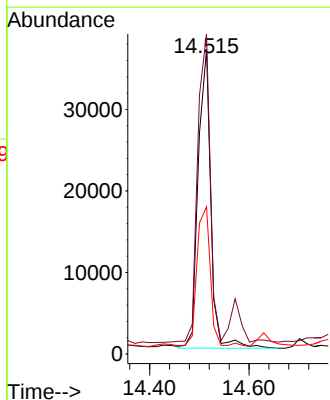
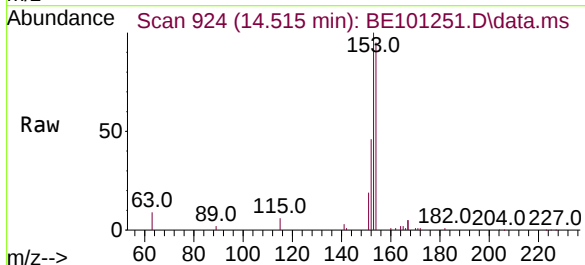
Instrument :
BNA_E
ClientSampleId :
MW-123R

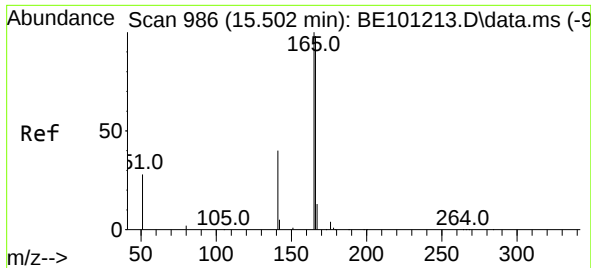
Tgt Ion:152 Resp: 161988
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.2
153 14.8 10.0 15.0



#17
Acenaphthene
Concen: 1.01 ng
RT: 14.515 min Scan# 924
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:154 Resp: 64868
Ion Ratio Lower Upper
154 100
153 101.4 84.9 127.3
152 47.7 42.7 64.1

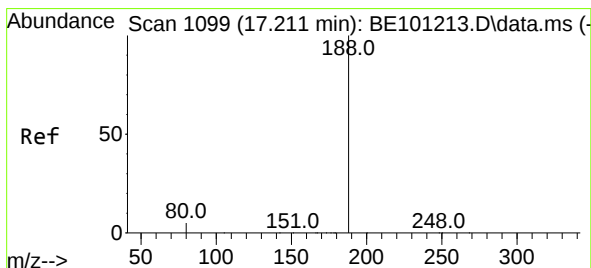
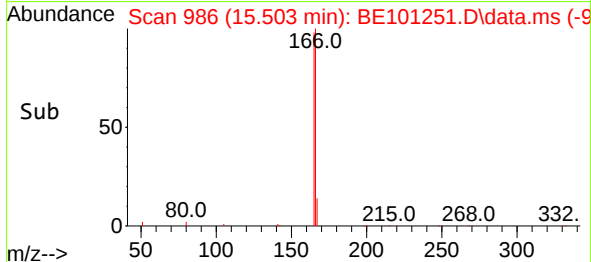
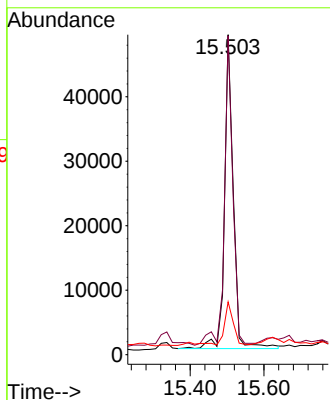
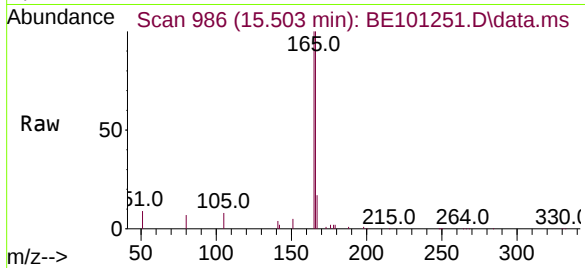




#18
Fluorene
Concen: 0.94 ng
RT: 15.503 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

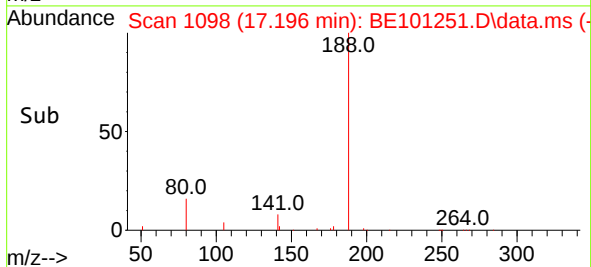
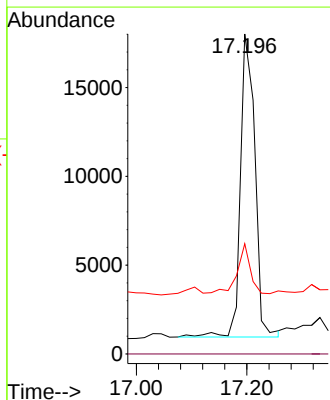
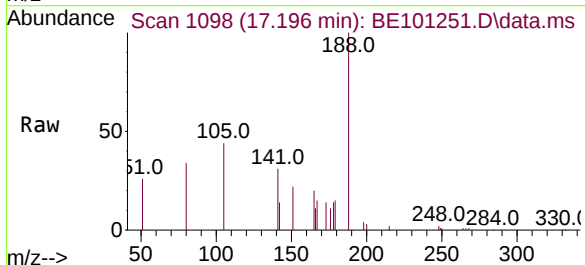
Instrument :
BNA_E
ClientSampleId :
MW-123R

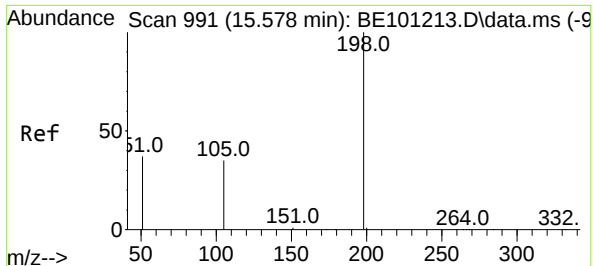
Tgt Ion:166 Resp: 80409
Ion Ratio Lower Upper
166 100
165 95.5 79.0 118.4
167 13.1 11.0 16.4



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.196 min Scan# 1098
Delta R.T. -0.014 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:188 Resp: 31100
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 34.4 4.6 6.8#

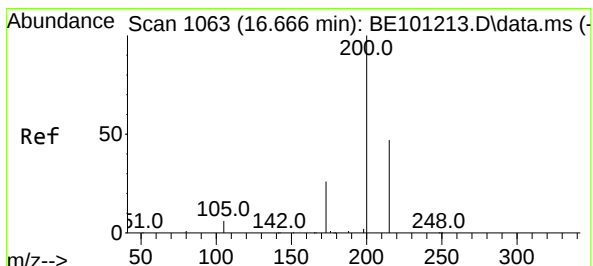
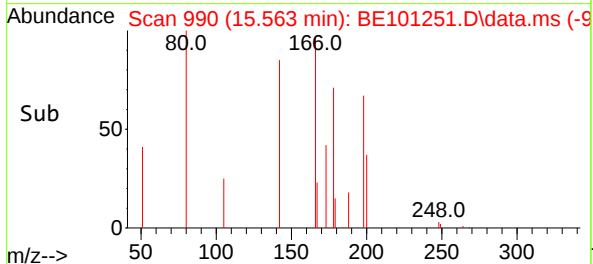
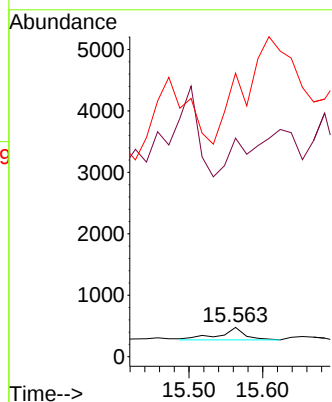
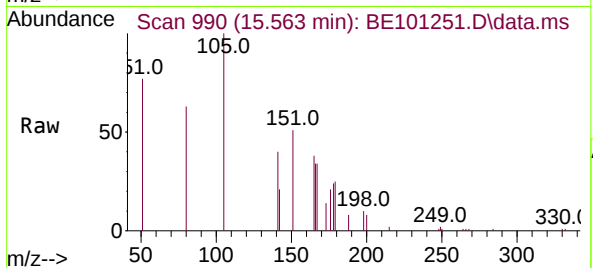




#20
4,6-Dinitro-2-methylphenol
Concen: 0.21 ng
RT: 15.563 min Scan# 990
Delta R.T. -0.014 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

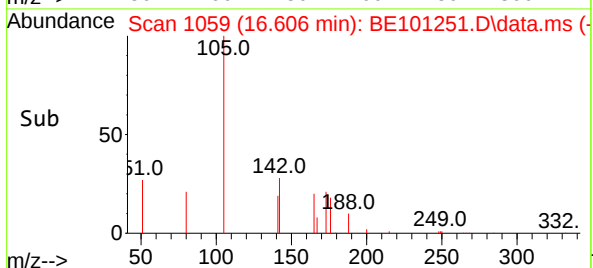
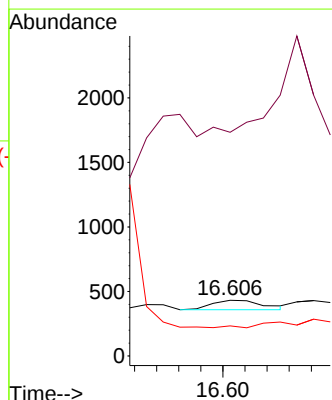
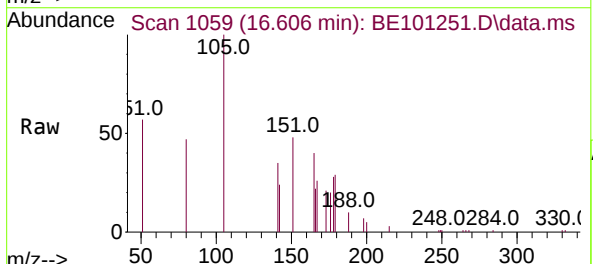
Instrument :
BNA_E
ClientSampleId :
MW-123R

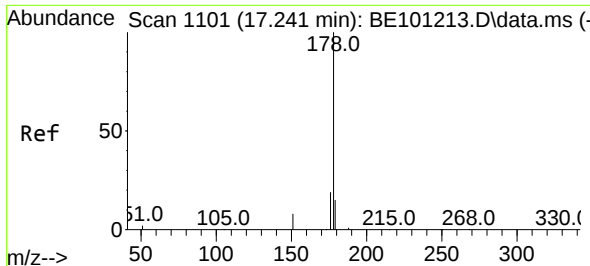
Tgt Ion:198 Resp: 490
Ion Ratio Lower Upper
198 100
51 746.1 55.9 83.9#
105 967.5 33.6 50.4#



#23
Atrazine
Concen: 0.02 ng
RT: 16.606 min Scan# 1059
Delta R.T. -0.059 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:200 Resp: 234
Ion Ratio Lower Upper
200 100
173 401.4 21.9 32.9#
215 54.2 38.6 57.8

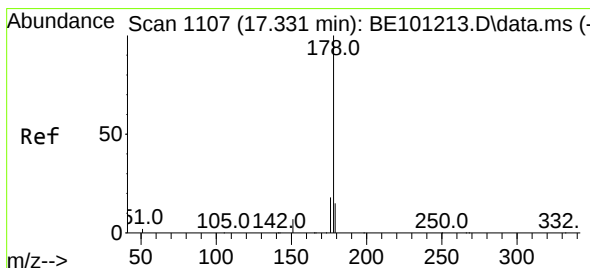
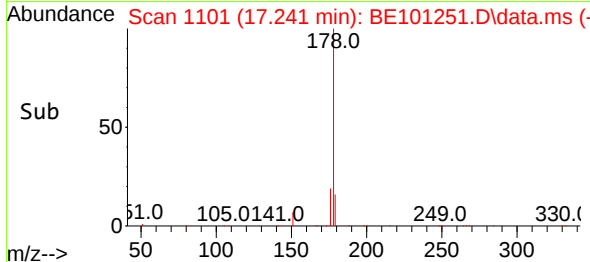
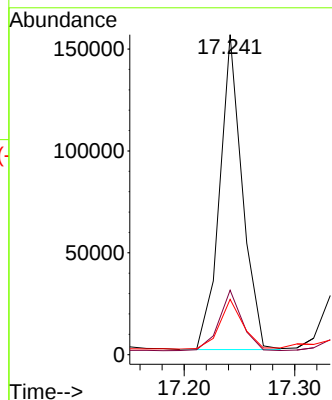
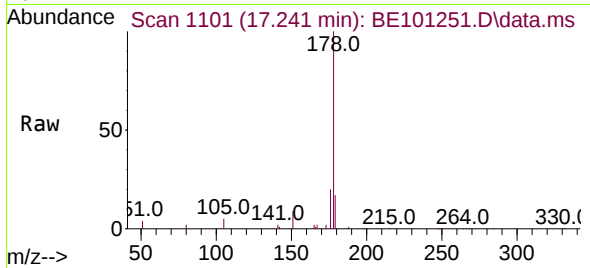




#25
Phenanthrene
Concen: 2.39 ng
RT: 17.241 min Scan# 1101
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

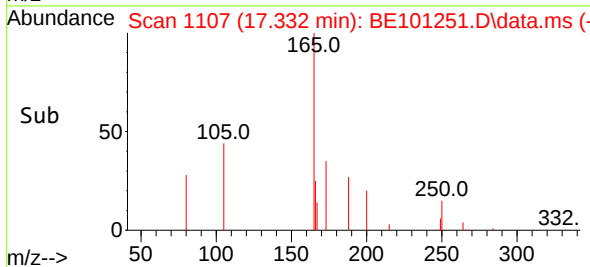
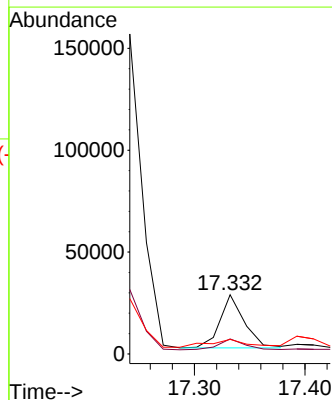
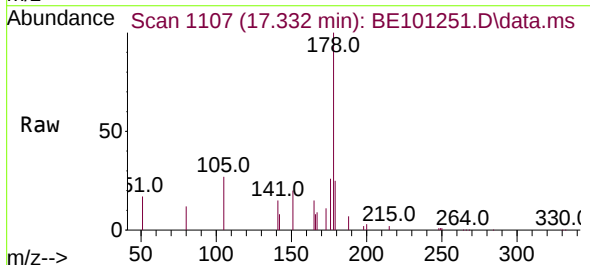
Instrument :
BNA_E
ClientSampleId :
MW-123R

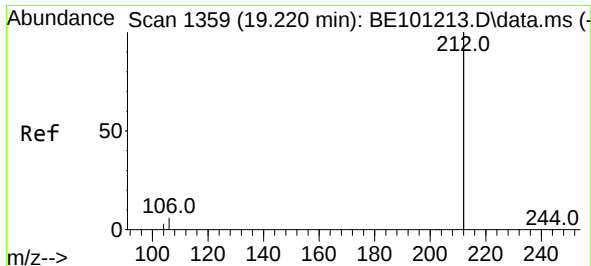
Tgt Ion:178 Resp: 220513
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.6
179 16.4 12.2 18.4



#26
Anthracene
Concen: 0.51 ng
RT: 17.332 min Scan# 1107
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:178 Resp: 40133
Ion Ratio Lower Upper
178 100
176 21.9 14.4 21.6#
179 24.5 11.8 17.8#

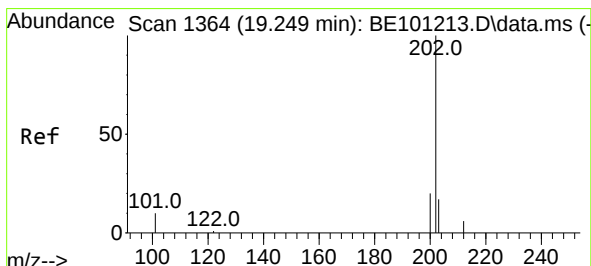
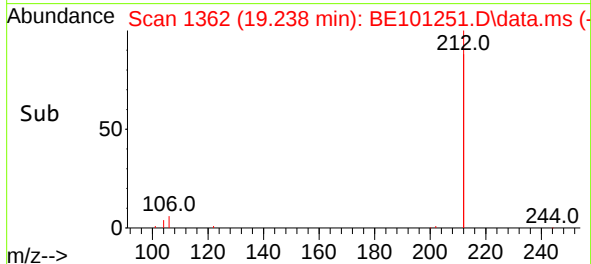
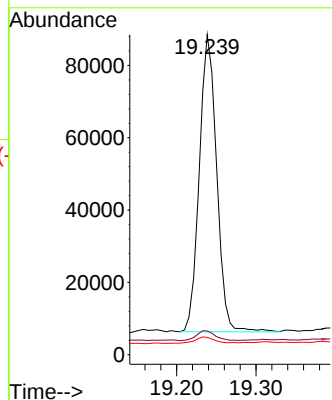
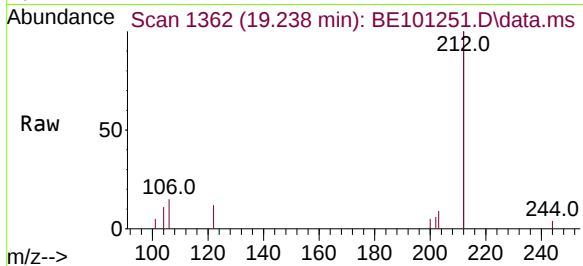




#27
Fluoranthene-d10
Concen: 0.23 ng
RT: 19.238 min Scan# 1362
Delta R.T. 0.024 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

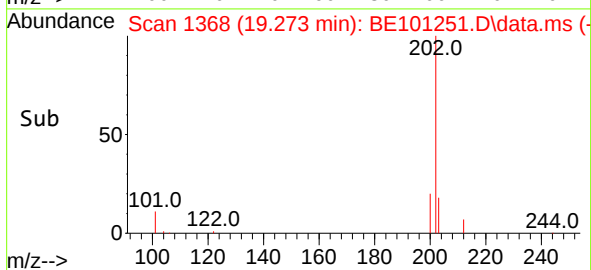
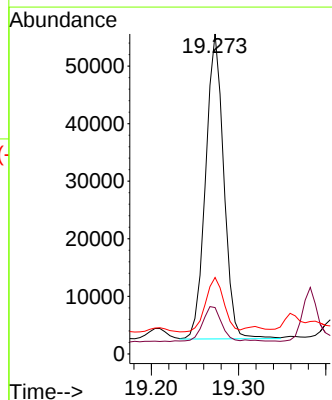
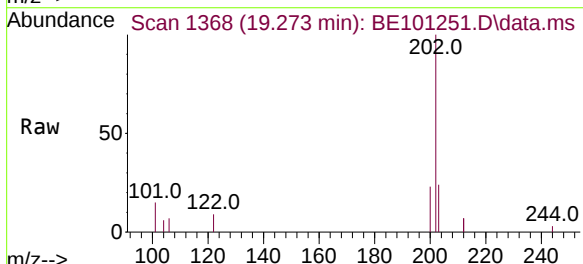
Instrument :
BNA_E
ClientSampleId :
MW-123R

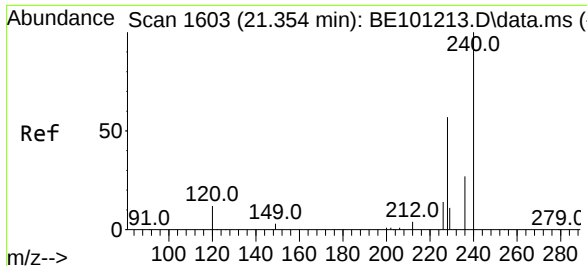
Tgt Ion:212 Resp: 124719
Ion Ratio Lower Upper
212 100
106 3.6 2.6 4.0
104 2.3 1.4 2.2#



#28
Fluoranthene
Concen: 0.64 ng
RT: 19.273 min Scan# 1368
Delta R.T. 0.030 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:202 Resp: 76546
Ion Ratio Lower Upper
202 100
101 11.9 9.1 13.7
203 17.9 13.6 20.4

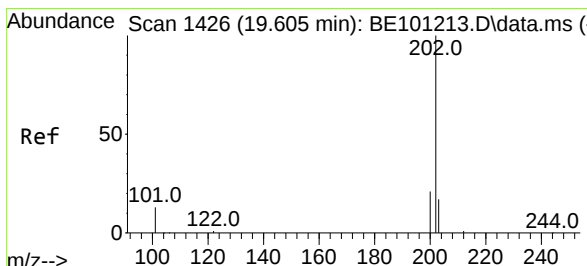
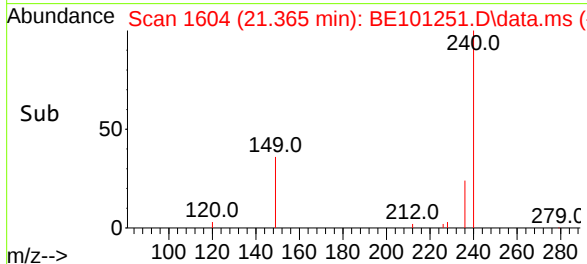
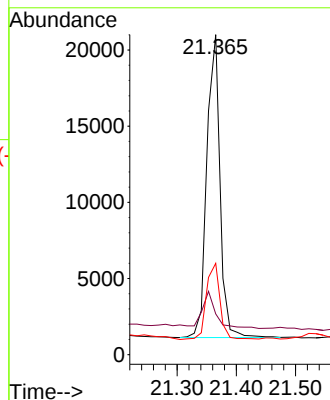
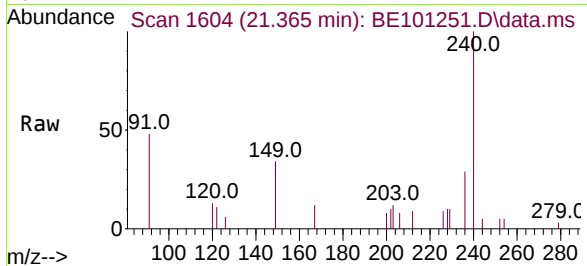




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.365 min Scan# 1604
Delta R.T. 0.011 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

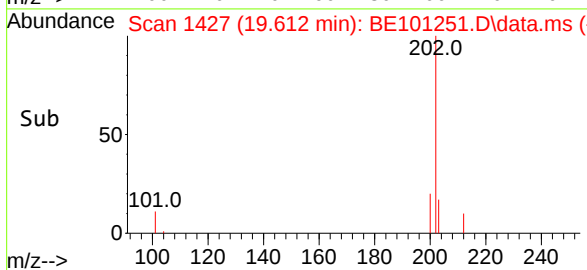
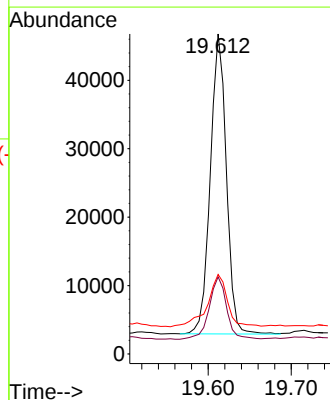
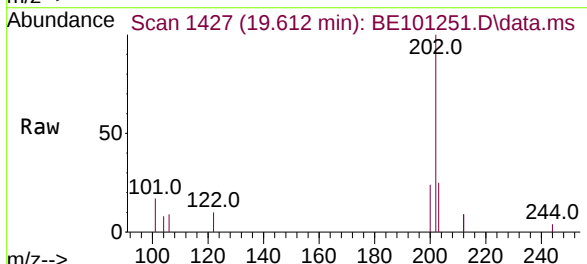
Instrument :
BNA_E
ClientSampleId :
MW-123R

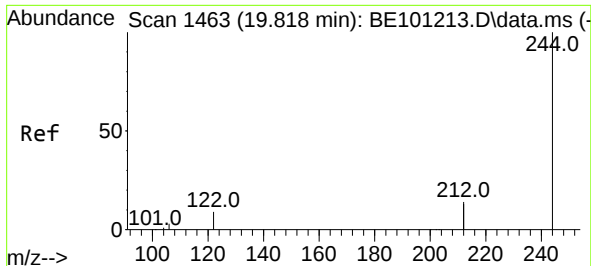
Tgt Ion:240 Resp: 30600
Ion Ratio Lower Upper
240 100
120 12.8 10.2 15.4
236 28.6 21.7 32.5



#30
Pyrene
Concen: 0.53 ng
RT: 19.612 min Scan# 1427
Delta R.T. 0.007 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:202 Resp: 58628
Ion Ratio Lower Upper
202 100
200 22.5 16.6 24.8
203 21.6 13.8 20.8#

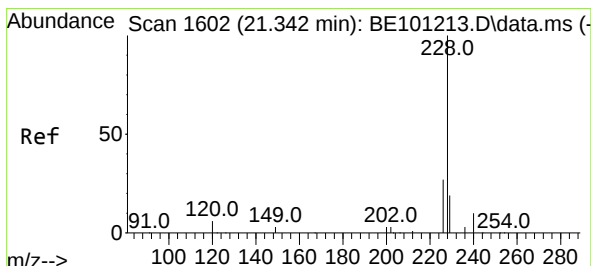
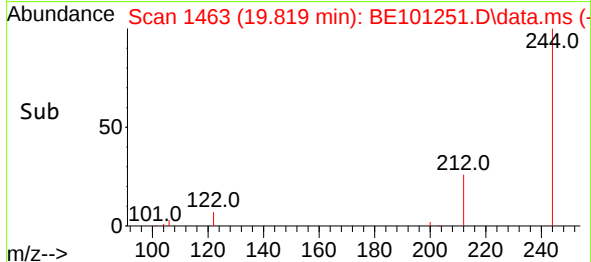
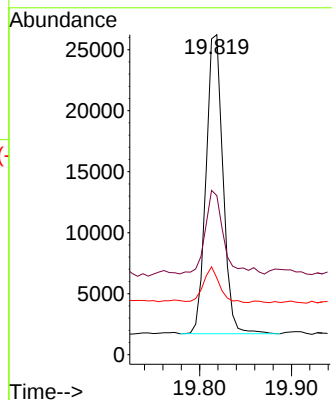
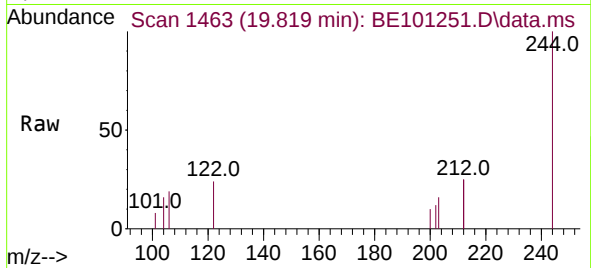




#31
Terphenyl-d14
Concen: 0.38 ng
RT: 19.819 min Scan# 1463
Delta R.T. 0.007 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

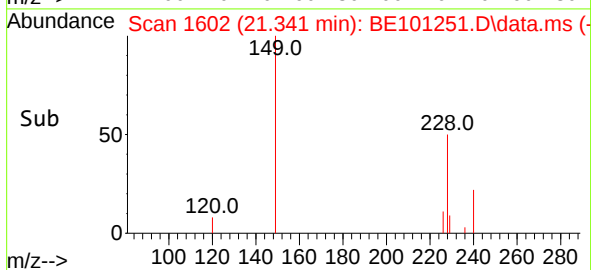
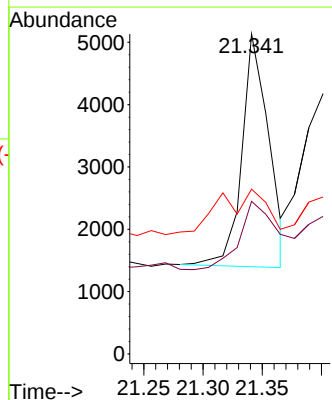
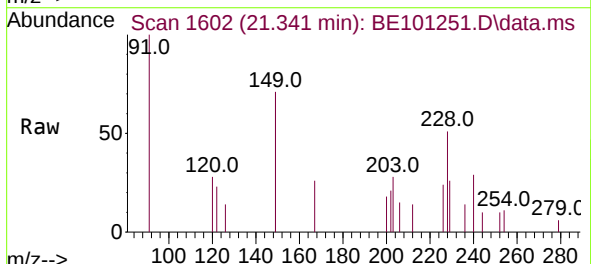
Instrument :
BNA_E
ClientSampleId :
MW-123R

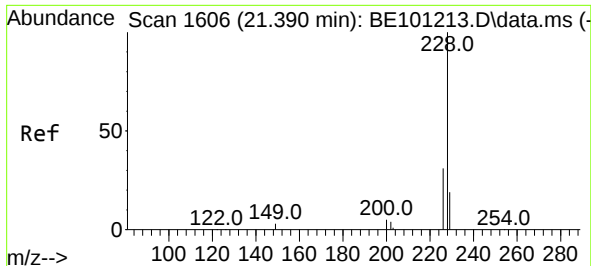
Tgt Ion:244 Resp: 31340
Ion Ratio Lower Upper
244 100
212 49.7 21.9 32.9#
122 24.0 7.3 10.9#



#32
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.341 min Scan# 1602
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:228 Resp: 5895
Ion Ratio Lower Upper
228 100
226 47.7 21.4 32.2#
229 51.5 15.7 23.5#

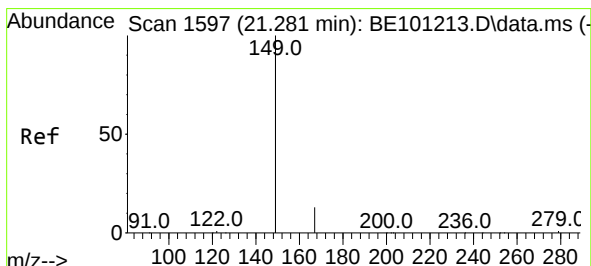
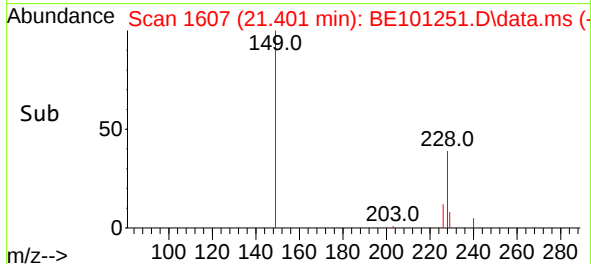
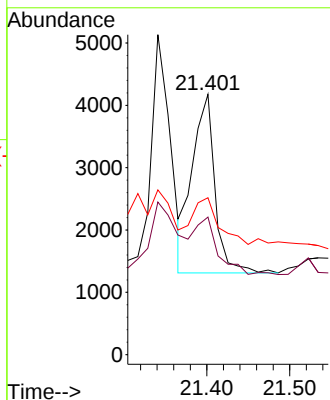
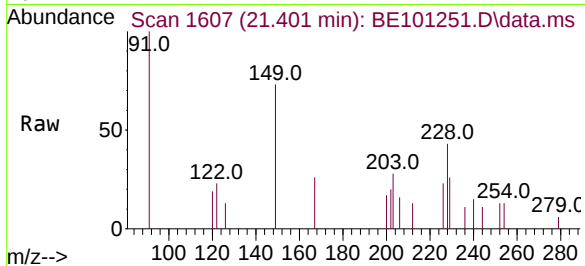




#33
Chrysene
Concen: 0.05 ng
RT: 21.401 min Scan# 1607
Delta R.T. 0.011 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

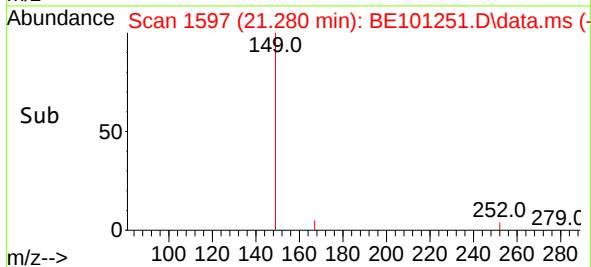
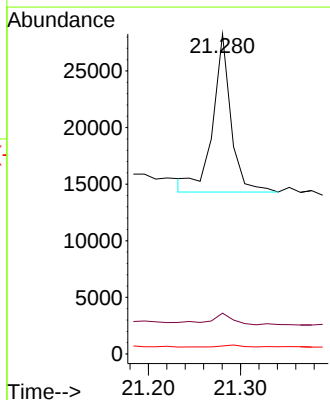
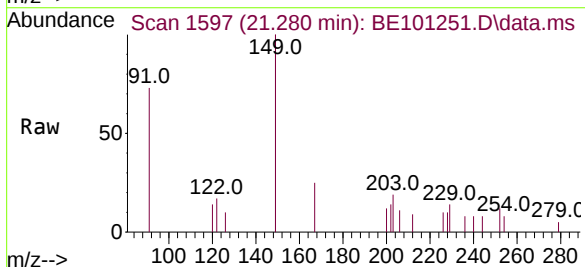
Instrument :
BNA_E
ClientSampleId :
MW-123R

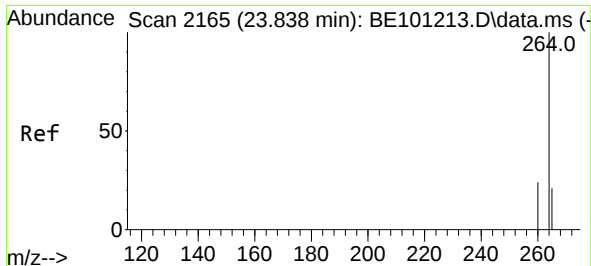
Tgt Ion:228 Resp: 5467
Ion Ratio Lower Upper
228 100
226 52.8 24.8 37.2#
229 60.3 15.2 22.8#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.31 ng
RT: 21.280 min Scan# 1597
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:149 Resp: 19146
Ion Ratio Lower Upper
149 100
167 9.2 5.5 8.3#
279 1.2 1.0 1.4

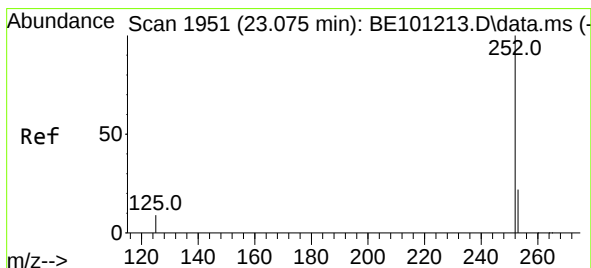
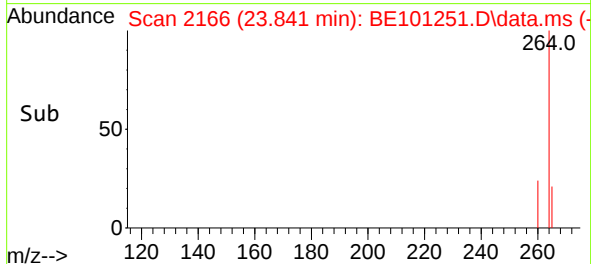
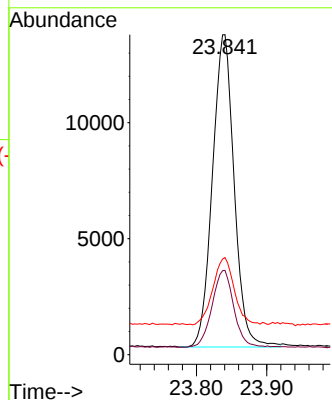
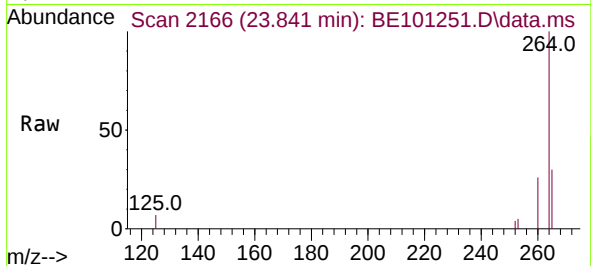




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.841 min Scan# 2166
Delta R.T. 0.006 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

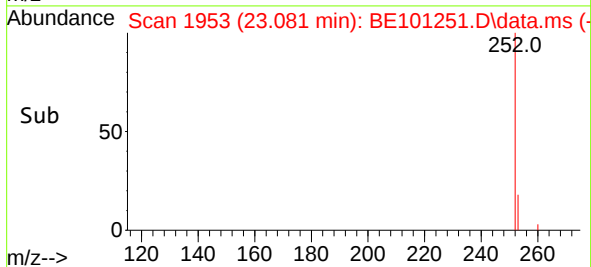
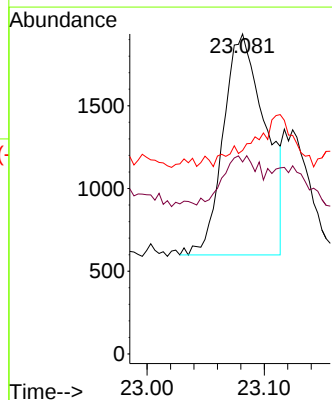
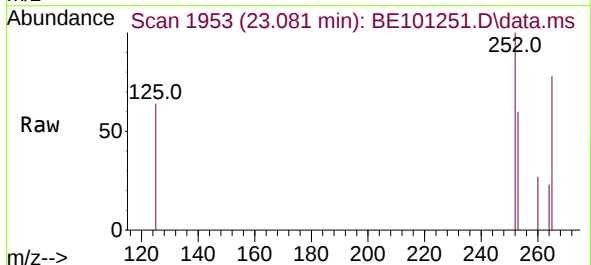
Instrument :
BNA_E
ClientSampleId :
MW-123R

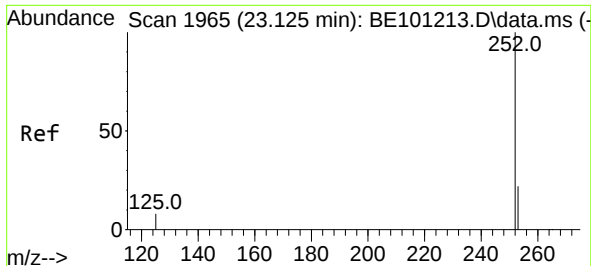
Tgt Ion:264 Resp: 28896
Ion Ratio Lower Upper
264 100
260 26.3 19.3 28.9
265 30.3 22.4 33.6



#37
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 23.081 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:252 Resp: 3331
Ion Ratio Lower Upper
252 100
253 60.0 18.1 27.1#
125 63.6 7.6 11.4#

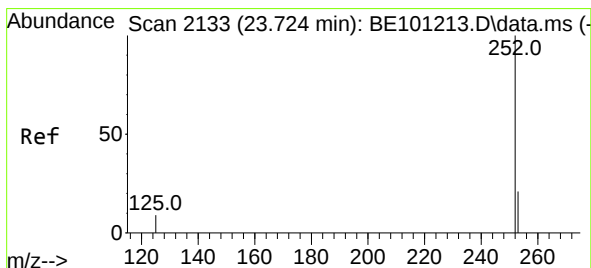
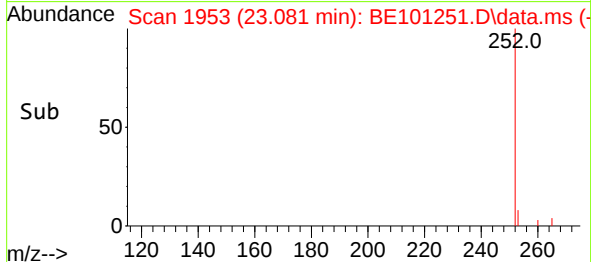
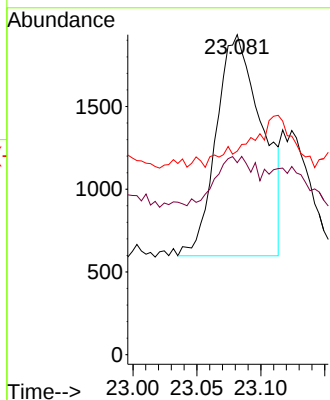
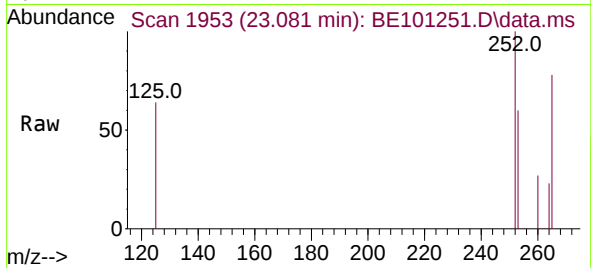




#38
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 23.081 min Scan# 1953
Delta R.T. -0.044 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Instrument :
BNA_E
ClientSampleId :
MW-123R

Tgt Ion:252 Resp: 3327
Ion Ratio Lower Upper
252 100
253 60.0 17.8 26.6#
125 63.6 7.6 11.4#



#39
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.723 min Scan# 2133
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Tgt Ion:252 Resp: 2269
Ion Ratio Lower Upper
252 100
253 65.2 18.0 27.0#
125 68.1 8.0 12.0#

