

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)

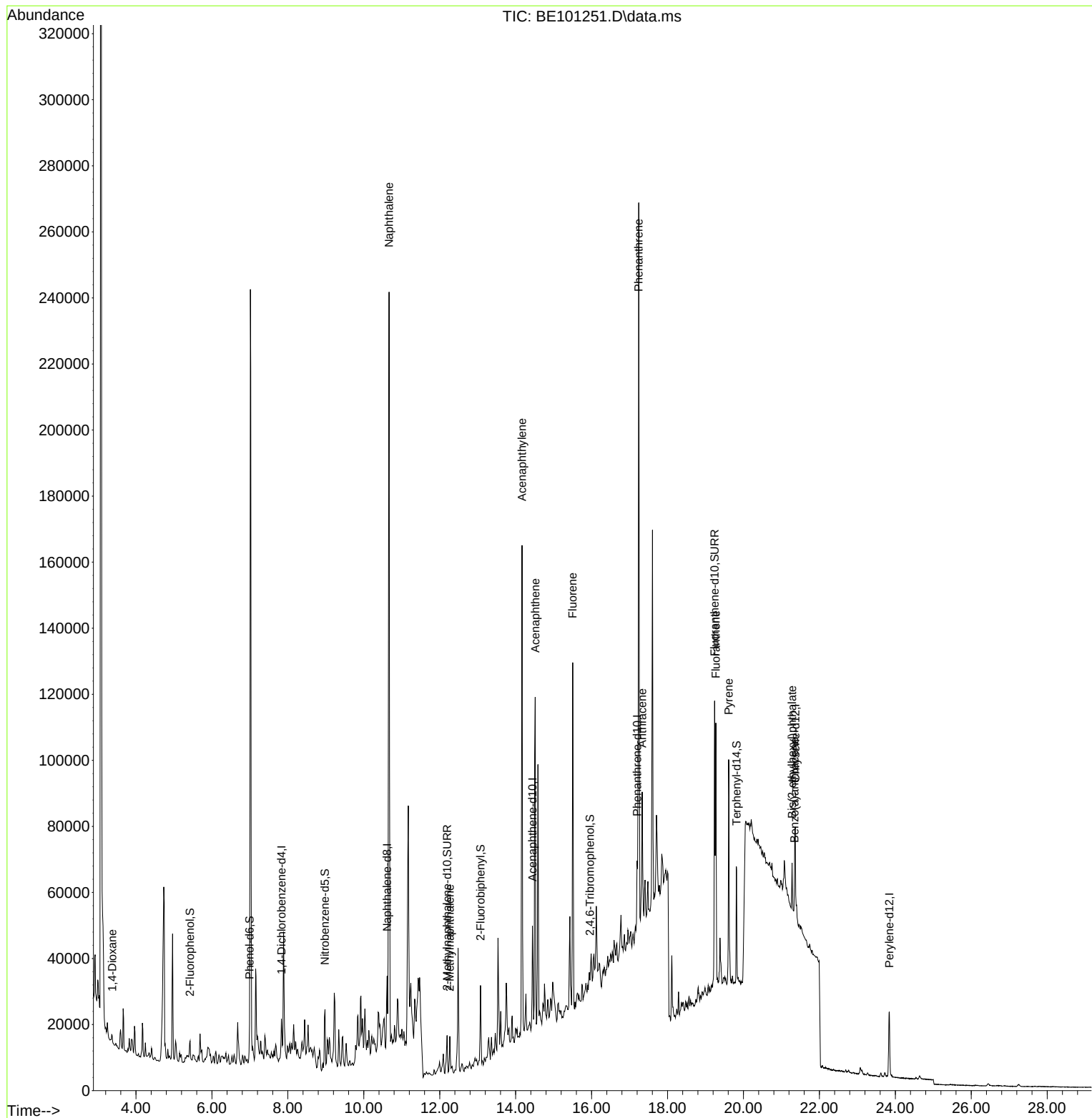
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	4688	0.40	ng	# 0.00
7) Naphthalene-d8	10.614	136	23045	0.40	ng	# 0.00
13) Acenaphthene-d10	14.442	164	21917	0.40	ng	# 0.00
19) Phenanthrene-d10	17.196	188	31100	0.40	ng	#-0.01
29) Chrysene-d12	21.365	240	30600	0.40	ng	0.01
36) Perylene-d12	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
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
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
34) Bis(2-ethylhexyl)phtha...	21.280	149	19146	0.31	ng	# 94

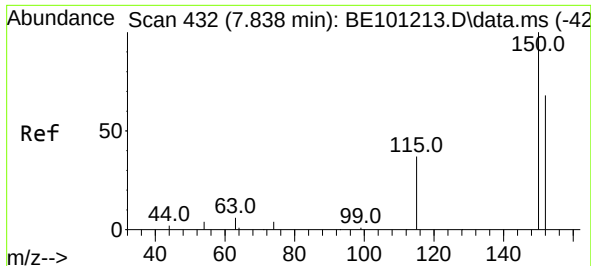
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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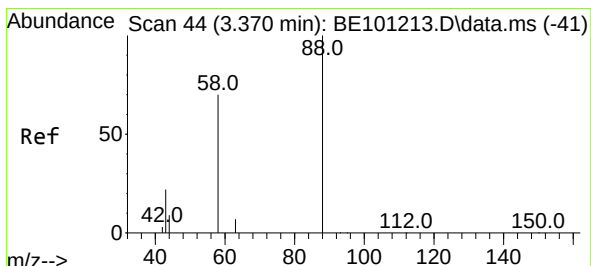
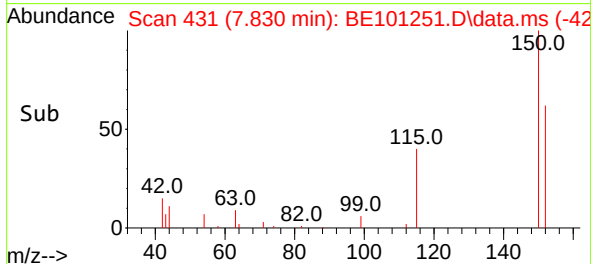
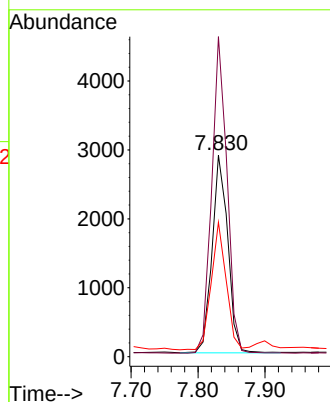
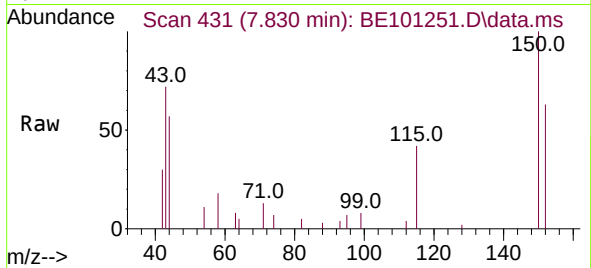




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.830 min Scan# 431
 Delta R.T. 0.000 min
 Lab File: BE101251.D
 Acq: 8 Apr 2021 18:01

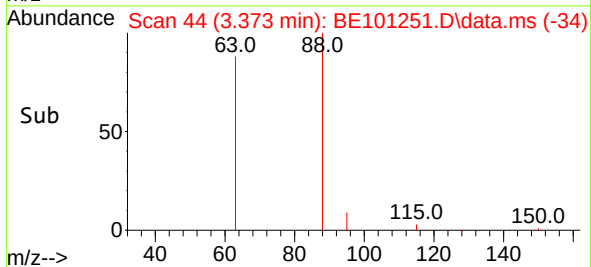
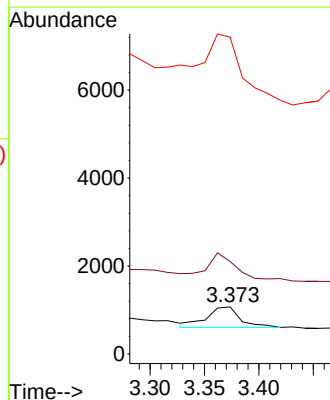
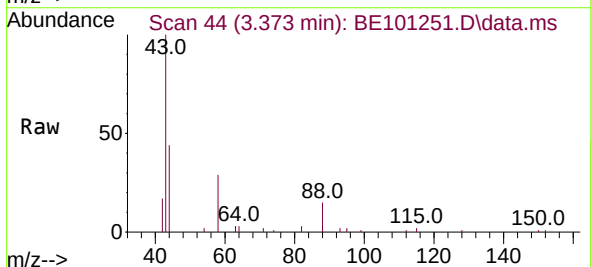
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 BNA_E
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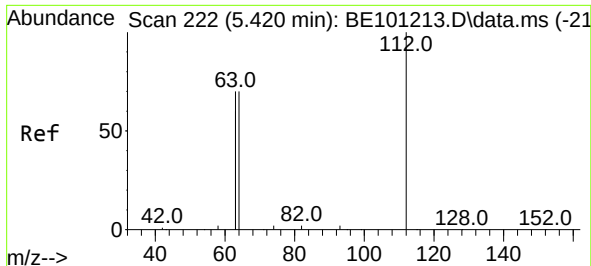
Tgt Ion:152 Resp: 4688
 Ion Ratio Lower Upper
 152 100
 150 158.8 116.9 175.3
 115 66.7 44.5 66.7#



#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#

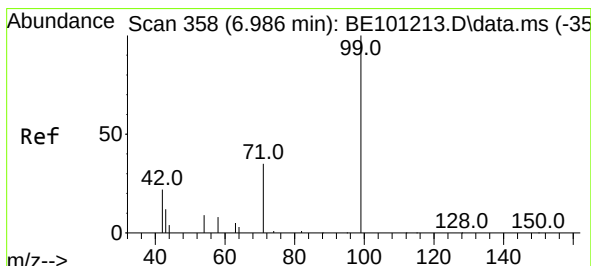
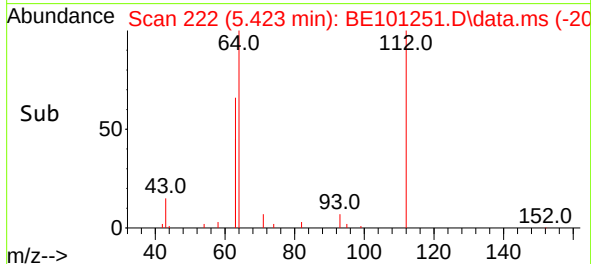
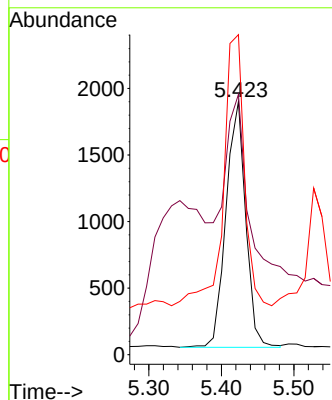
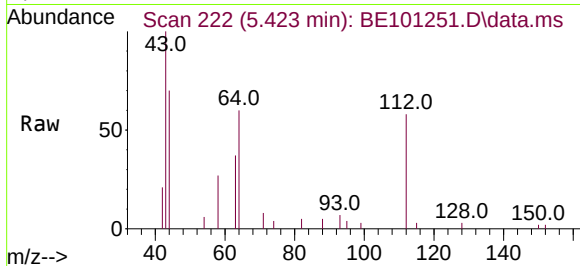




#4
2-Fluorophenol
Concen: 0.32 ng
RT: 5.423 min Scan# 222
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

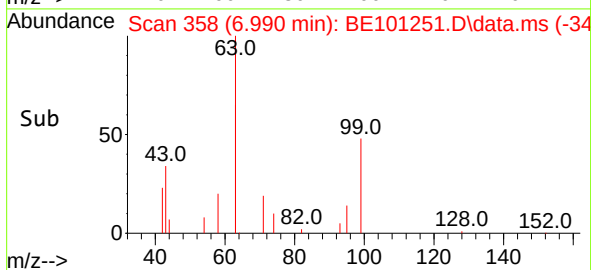
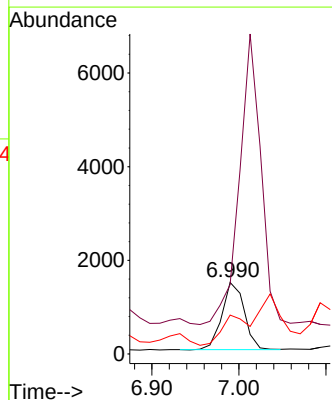
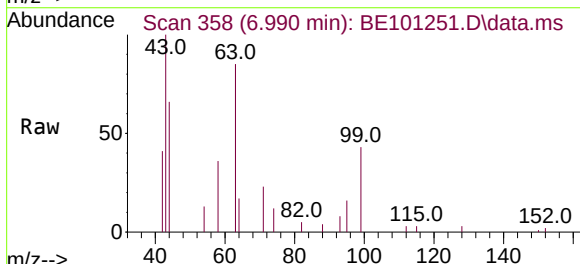
Instrument :
BNA_E
ClientSampleId :
MW-123R

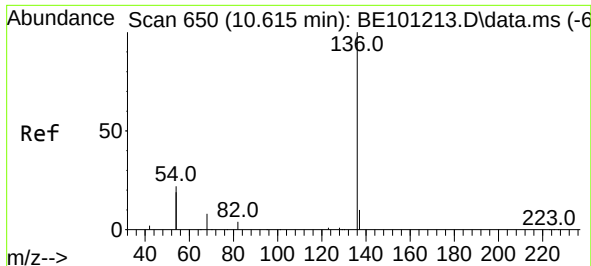
Tgt Ion:112 Resp: 3479
Ion Ratio Lower Upper
112 100
64 151.5 62.3 93.5#
63 115.6 117.3 175.9#



#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

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#

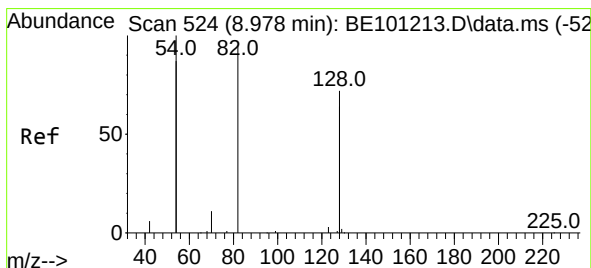
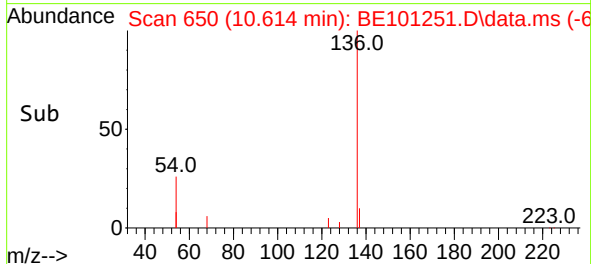
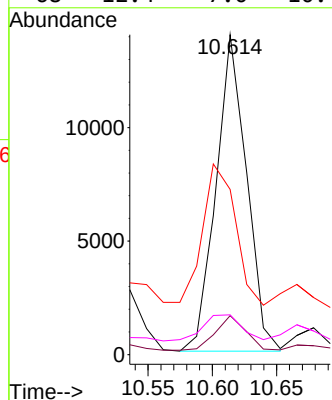
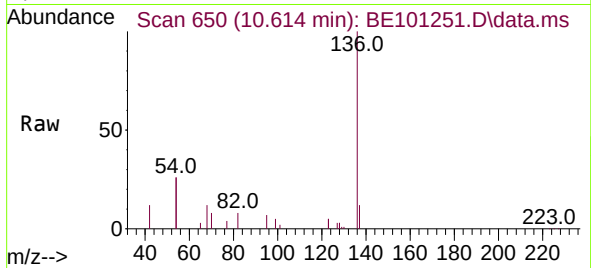




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

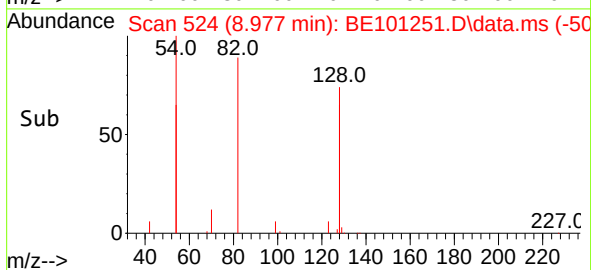
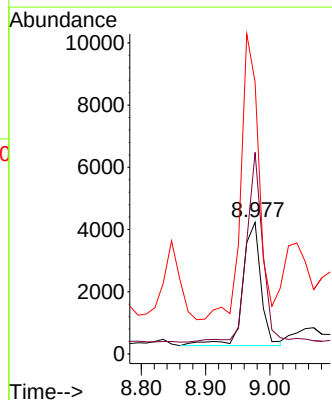
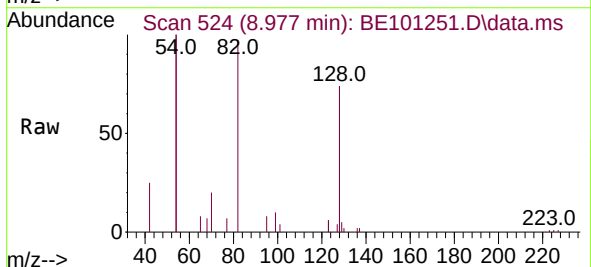
Instrument :
BNA_E
ClientSampleId :
MW-123R

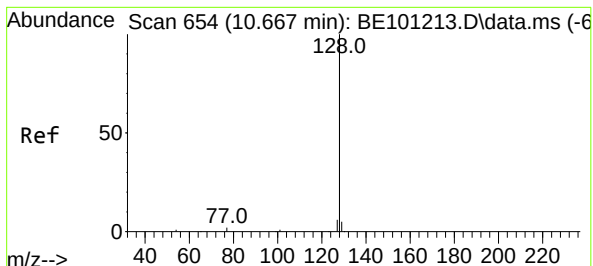
Tgt Ion:	136	Resp:	23045
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.6	13.0
54	51.6	34.7	52.1
68	12.4	7.0	10.4



#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

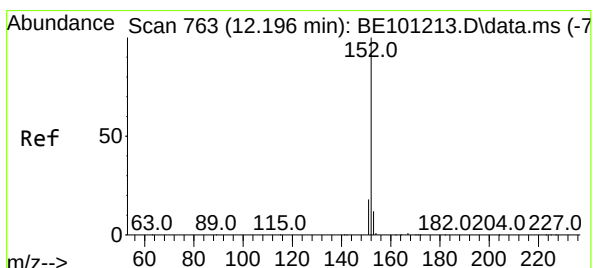
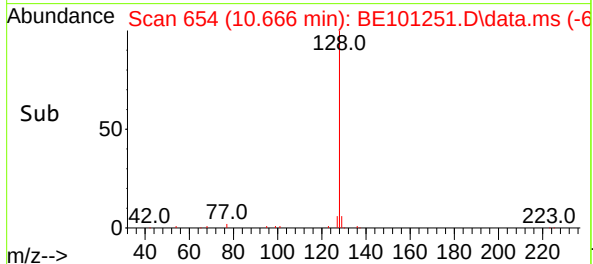
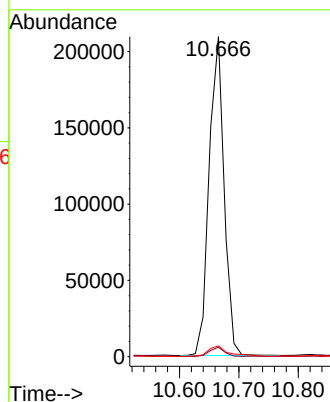
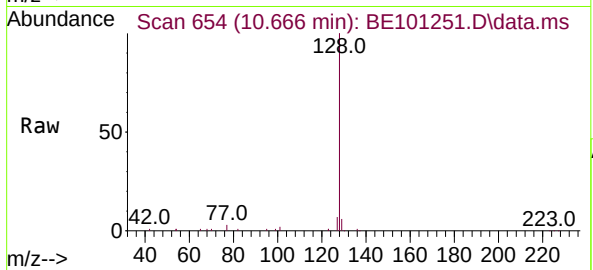




#9
Naphthalene
Concen: 1.47 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

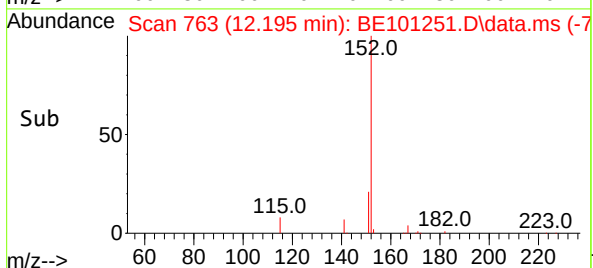
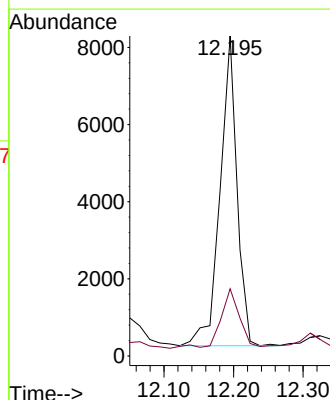
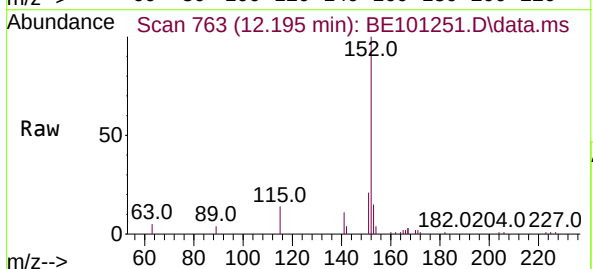
Instrument :
BNA_E
ClientSampleId :
MW-123R

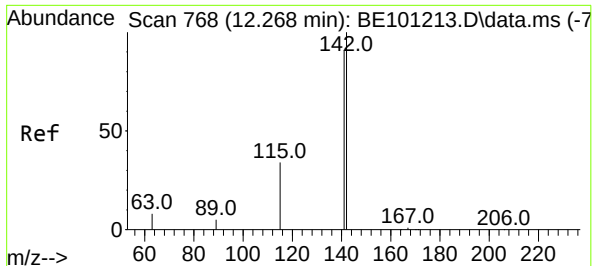
Tgt Ion:128 Resp: 367847
Ion Ratio Lower Upper
128 100
129 3.0 2.2 3.4
127 3.4 2.6 3.8



#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

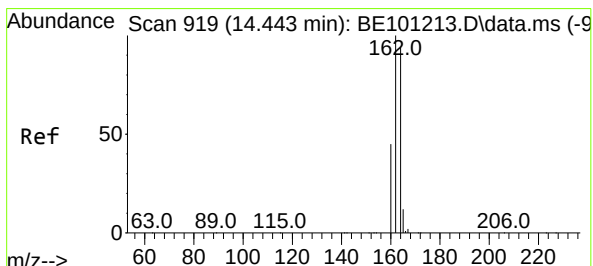
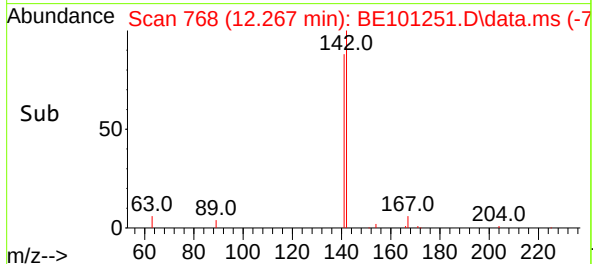
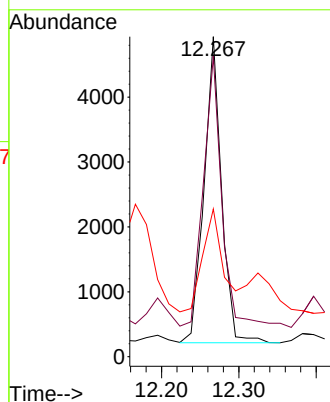
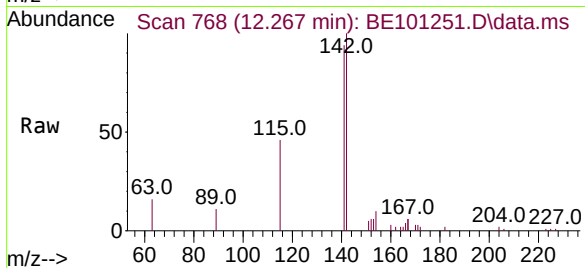




#12
2-Methylnaphthalene
Concen: 0.16 ng
RT: 12.267 min Scan# 768
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

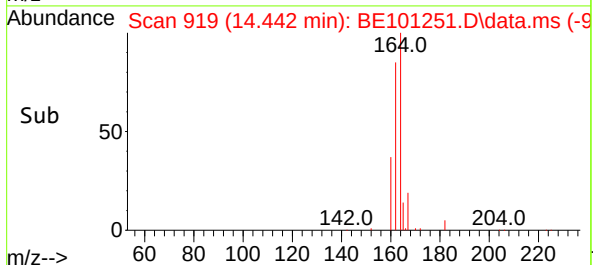
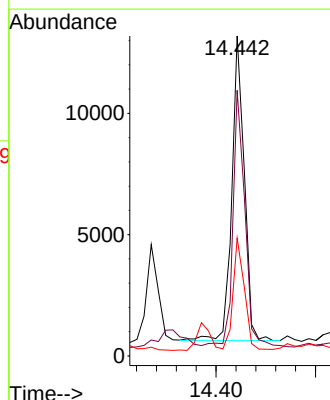
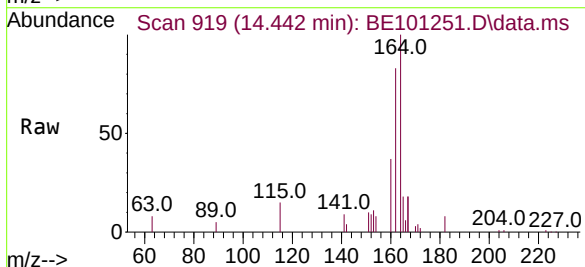
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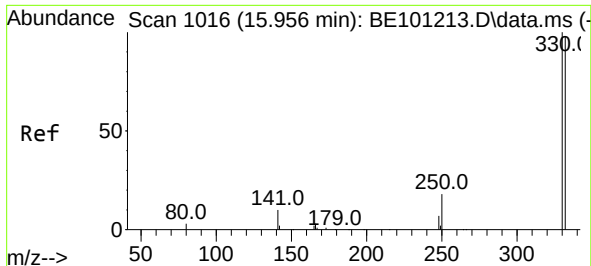
Tgt Ion:142 Resp: 7407
Ion Ratio Lower Upper
142 100
141 93.9 73.0 109.6
115 46.1 27.8 41.8#



#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#

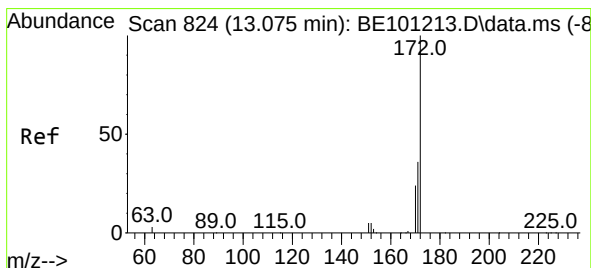
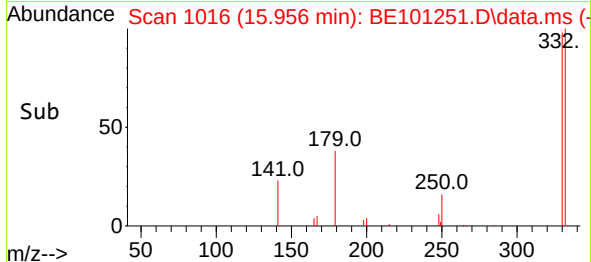
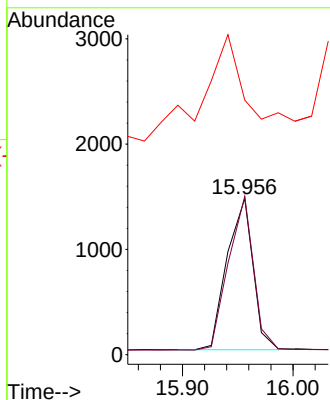
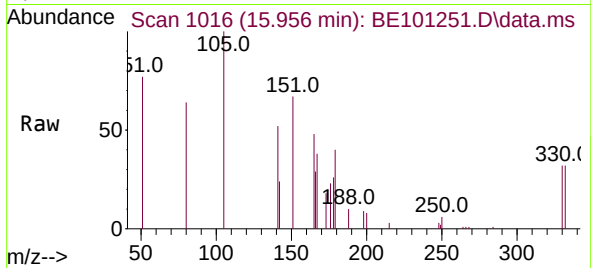




#14
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 15.956 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

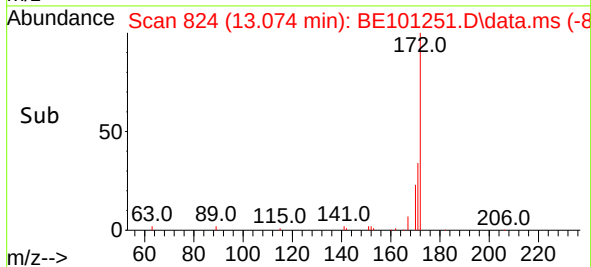
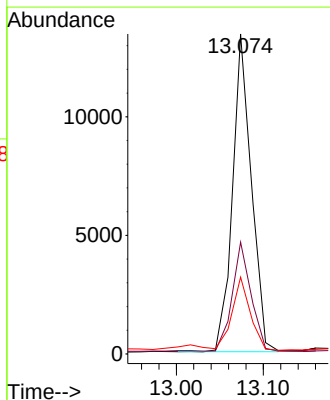
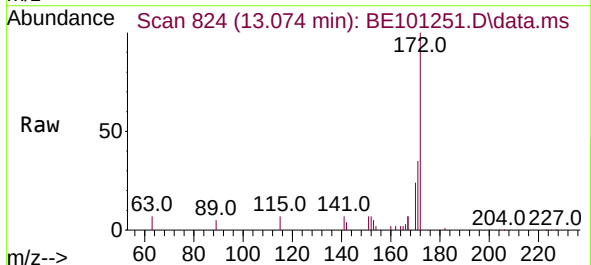
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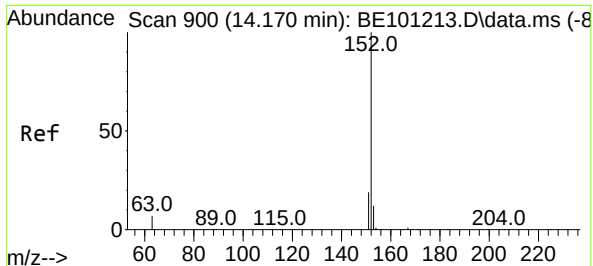
Tgt Ion:330 Resp: 2346
Ion Ratio Lower Upper
330 100
332 97.8 77.8 116.6
141 63.2 30.4 45.6#



#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

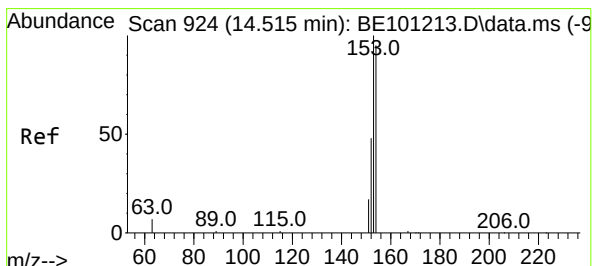
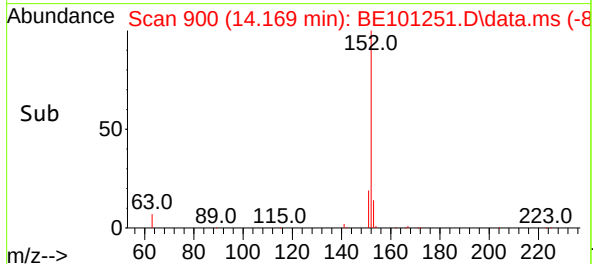
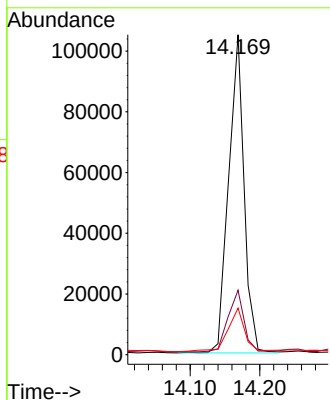
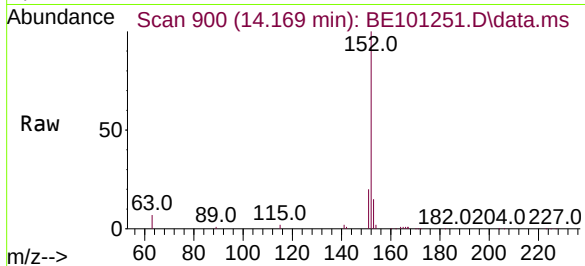




#16
Acenaphthylene
Concen: 1.90 ng
RT: 14.169 min Scan# 900
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

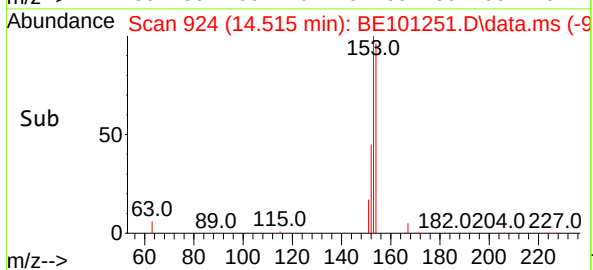
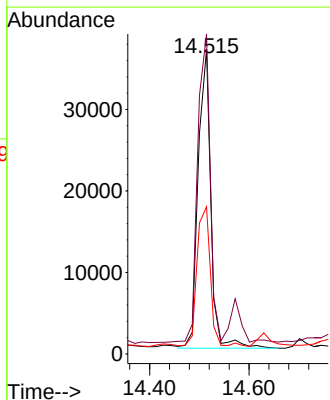
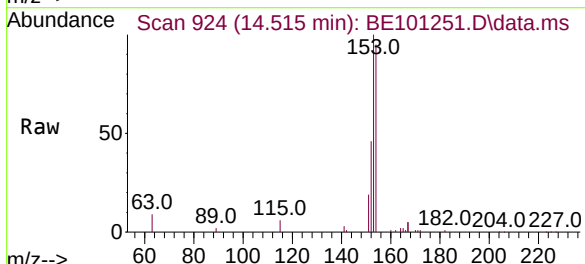
Instrument :
BNA_E
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MW-123R

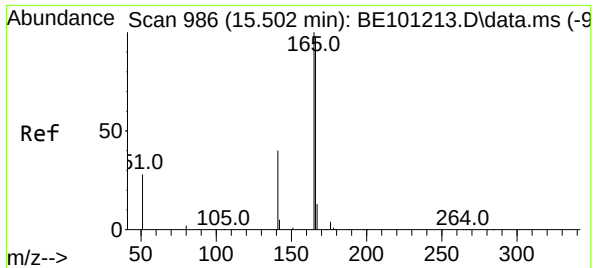
Tgt Ion:152 Resp: 161988
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.2
153 14.8 10.0 15.0



#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

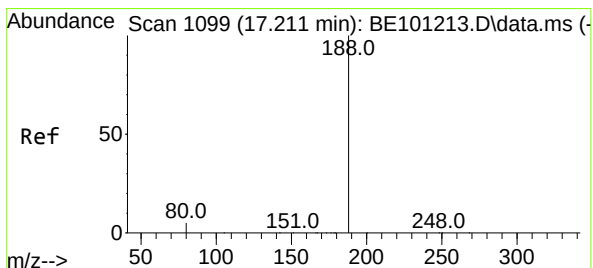
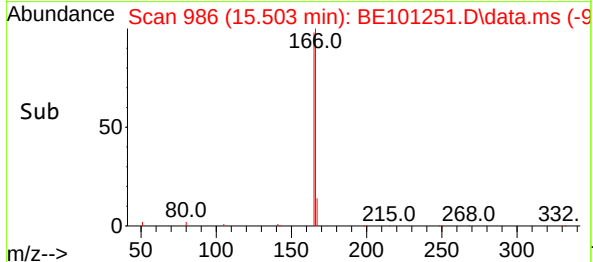
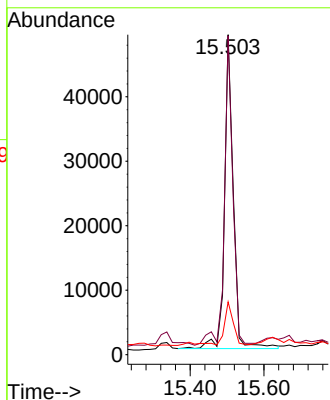
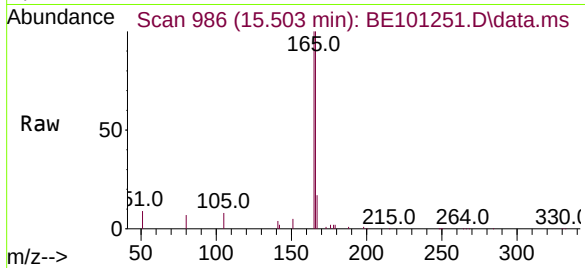




#18
Fluorene
Concen: 0.94 ng
RT: 15.503 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

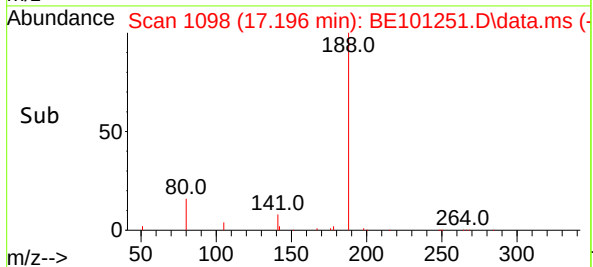
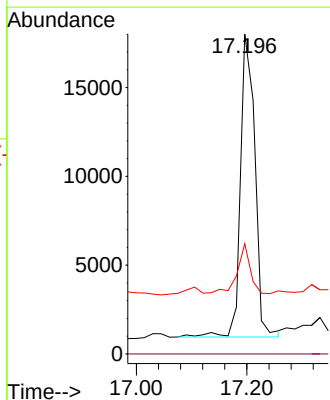
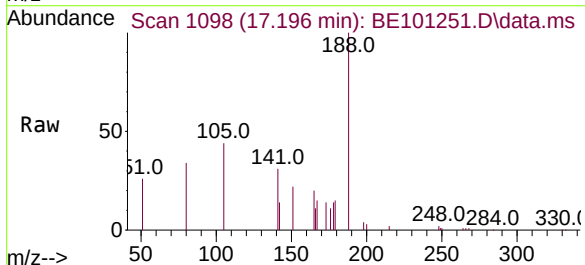
Instrument :
BNA_E
ClientSampleId :
MW-123R

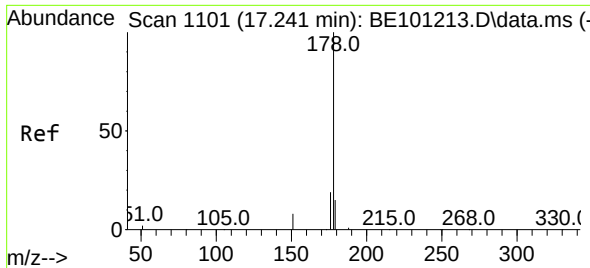
Tgt Ion:166 Resp: 80409
Ion Ratio Lower Upper
166 100
165 95.5 79.0 118.4
167 13.1 11.0 16.4



#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#

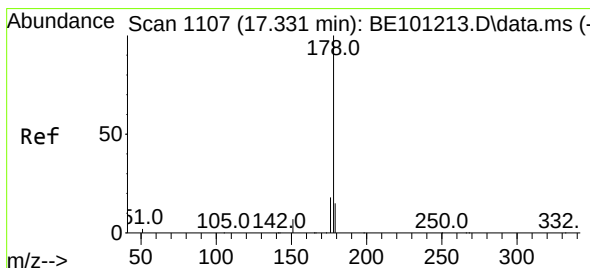
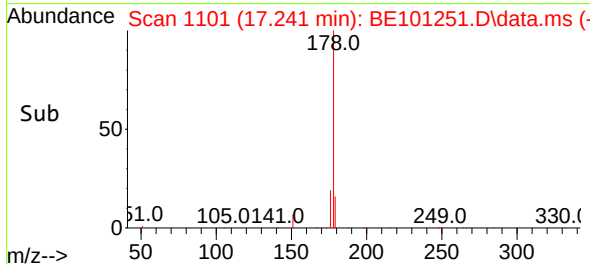
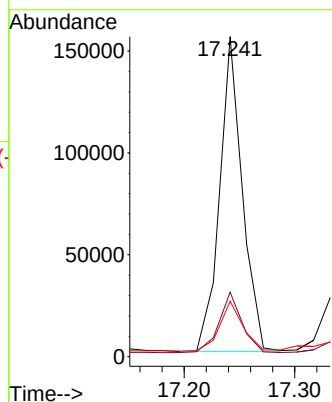
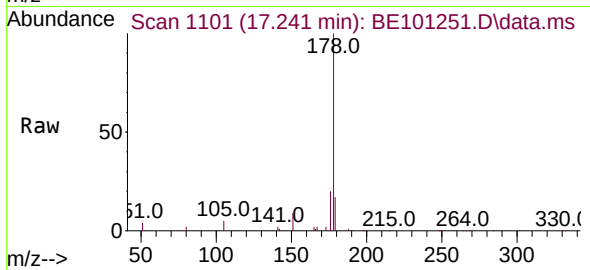




#25
Phenanthrene
Concen: 2.39 ng
RT: 17.241 min Scan# 1101
Delta R.T. 0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

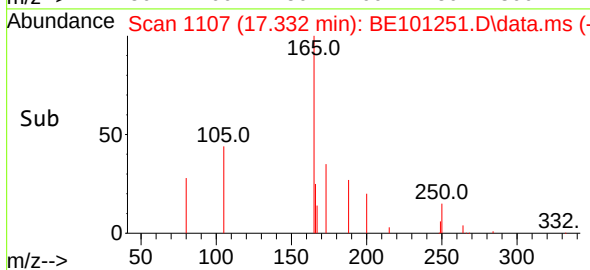
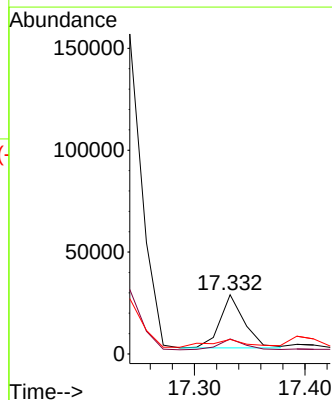
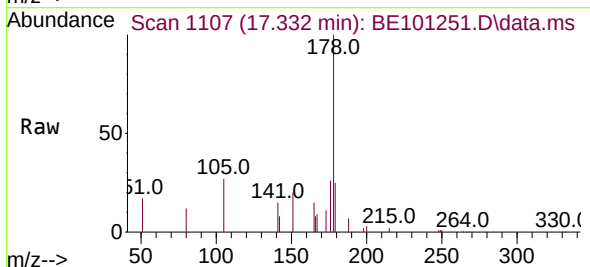
Instrument :
BNA_E
ClientSampleId :
MW-123R

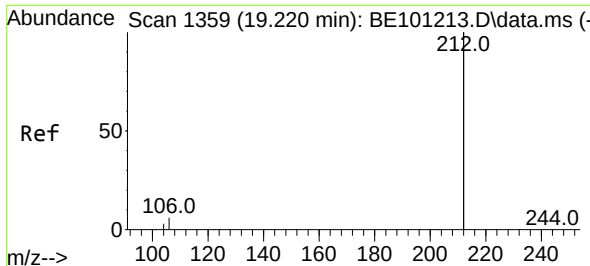
Tgt Ion:178 Resp: 220513
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.6
179 16.4 12.2 18.4



#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#

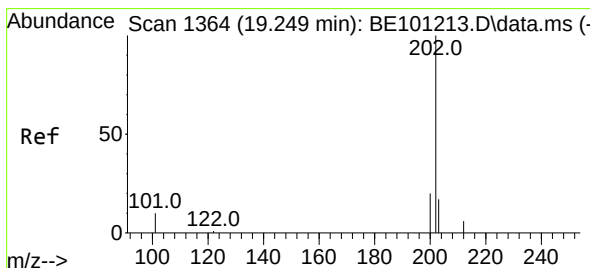
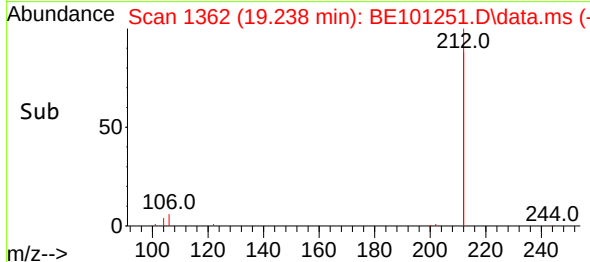
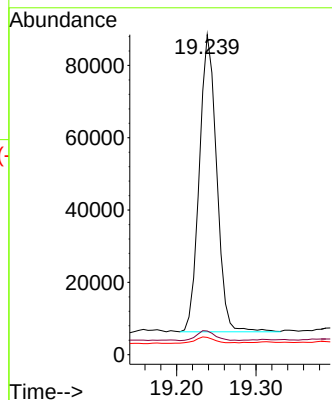
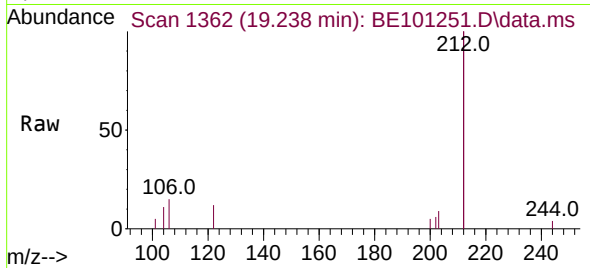




#27
Fluoranthene-d10
Concen: 0.23 ng
RT: 19.238 min Scan# 1362
Delta R.T. 0.024 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

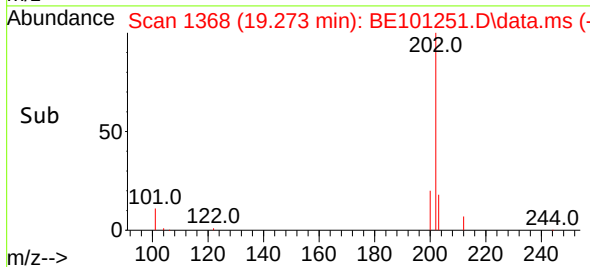
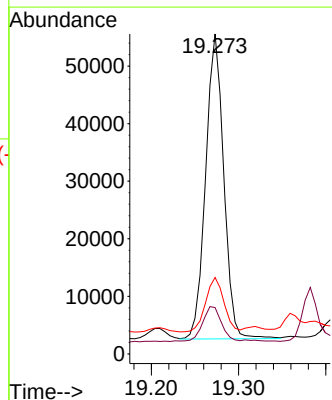
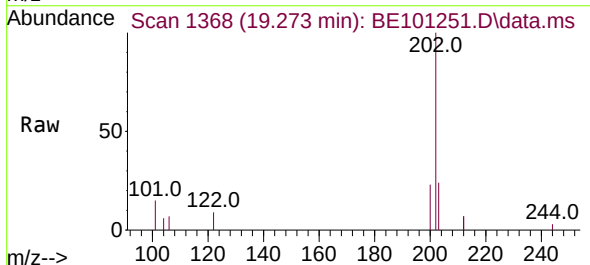
Instrument :
BNA_E
ClientSampleId :
MW-123R

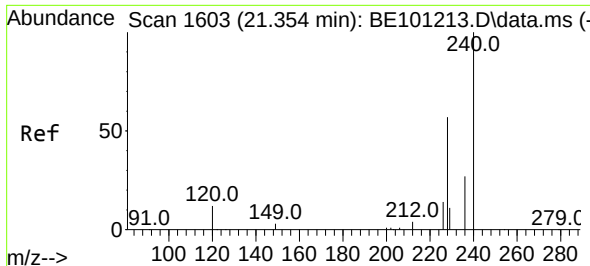
Tgt Ion:212 Resp: 124719
Ion Ratio Lower Upper
212 100
106 3.6 2.6 4.0
104 2.3 1.4 2.2#



#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

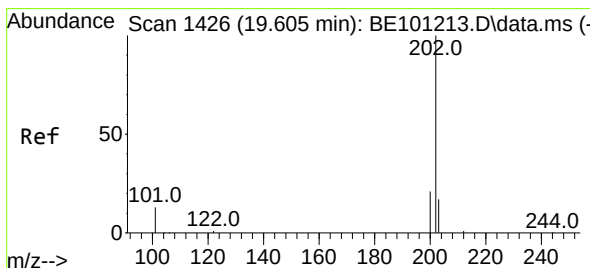
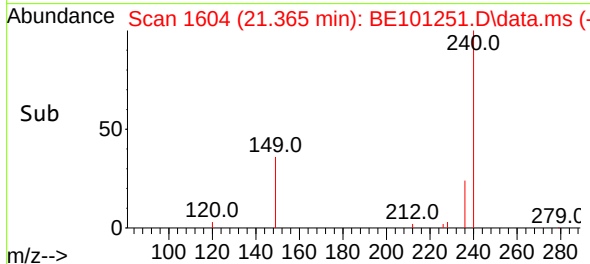
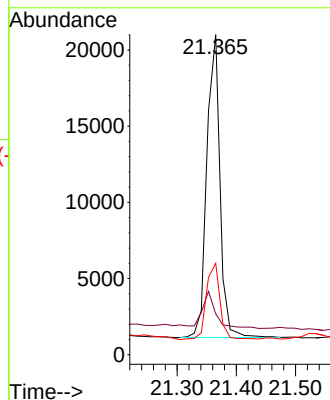
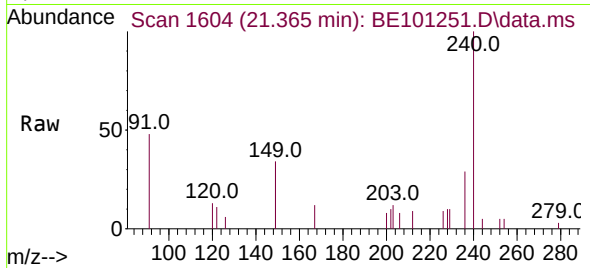




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.365 min Scan# 1604
Delta R.T. 0.011 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

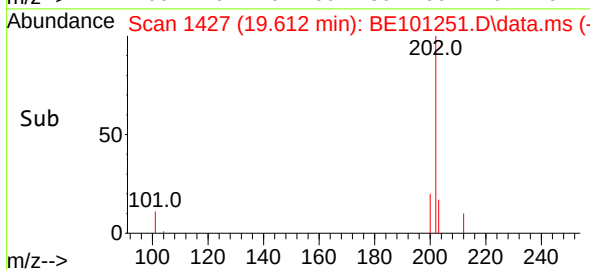
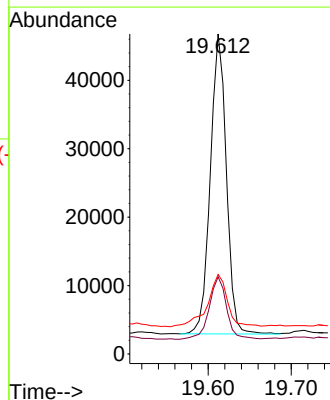
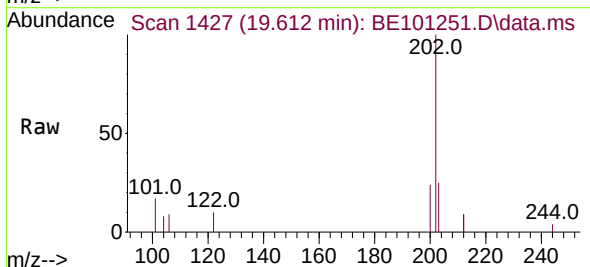
Instrument :
BNA_E
ClientSampleId :
MW-123R

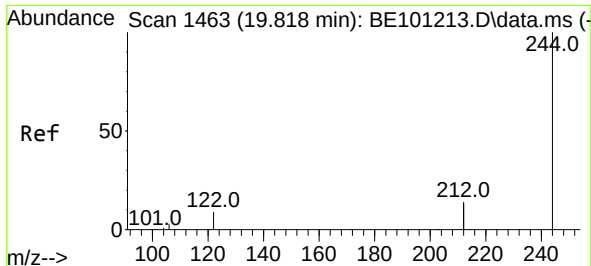
Tgt Ion:240 Resp: 30600
Ion Ratio Lower Upper
240 100
120 12.8 10.2 15.4
236 28.6 21.7 32.5



#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#

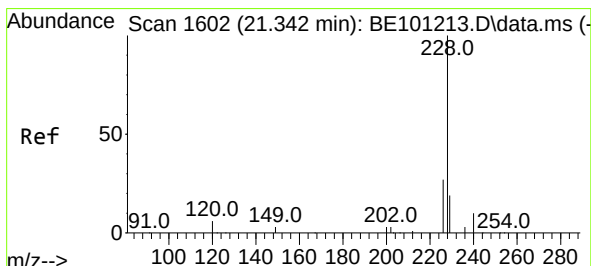
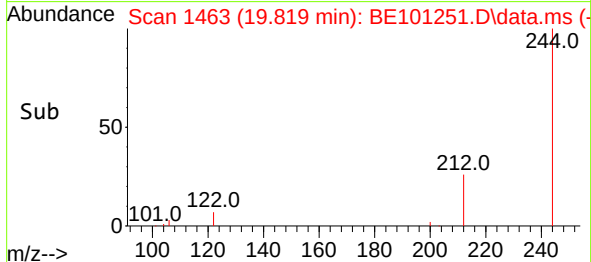
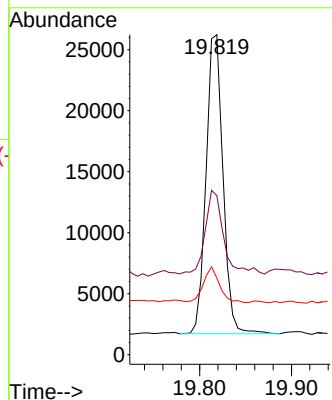
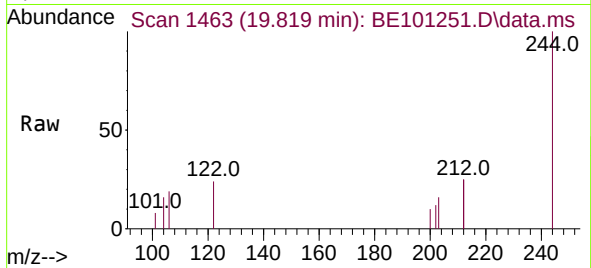




#31
 Terphenyl-d14
 Concen: 0.38 ng
 RT: 19.819 min Scan# 1463
 Delta R.T. 0.007 min
 Lab File: BE101251.D
 Acq: 8 Apr 2021 18:01

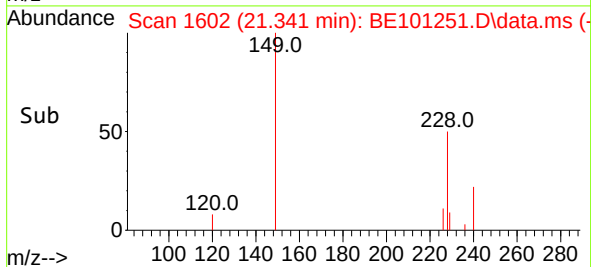
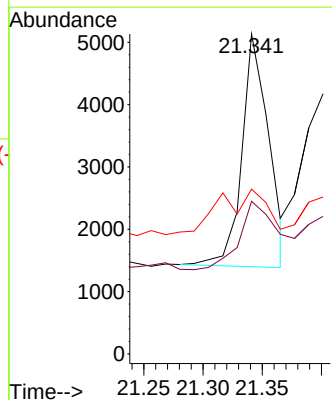
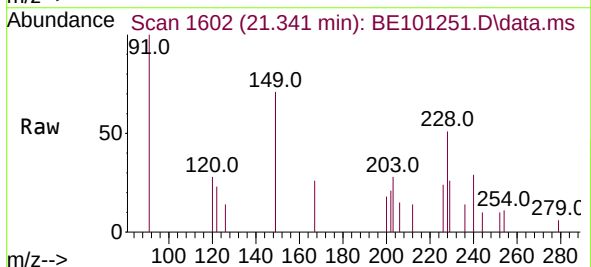
Instrument :
 BNA_E
 ClientSampleId :
 MW-123R

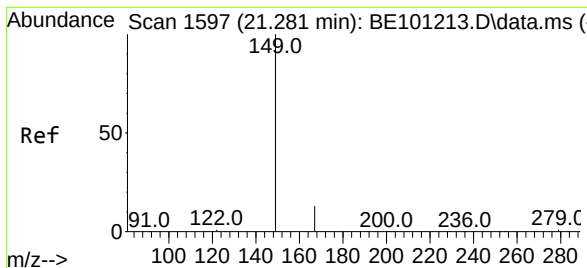
Tgt Ion:244 Resp: 31340
 Ion Ratio Lower Upper
 244 100
 212 49.7 21.9 32.9#
 122 24.0 7.3 10.9#



#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#

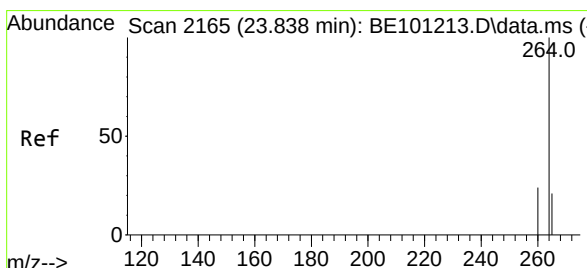
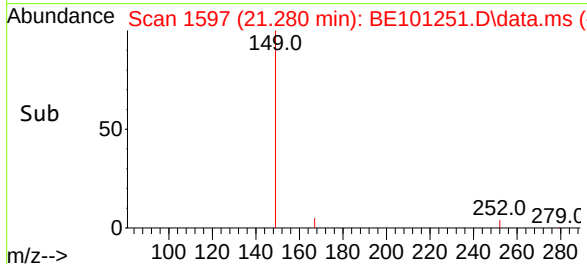
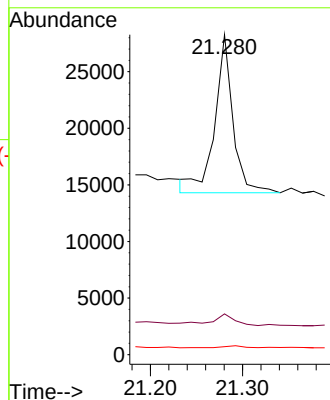
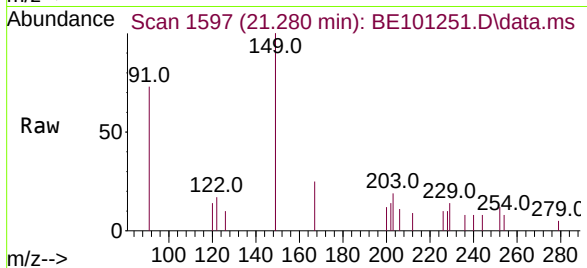




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.31 ng
RT: 21.280 min Scan# 1597
Delta R.T. -0.001 min
Lab File: BE101251.D
Acq: 8 Apr 2021 18:01

Instrument :
BNA_E
ClientSampleId :
MW-123R

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

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

