

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040921\
 Data File : BE101273.D
 Acq On : 9 Apr 2021 16:45
 Operator : CG/JU
 Sample : M1966-03DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-123RMSD

Quant Time: Apr 10 00:41:00 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

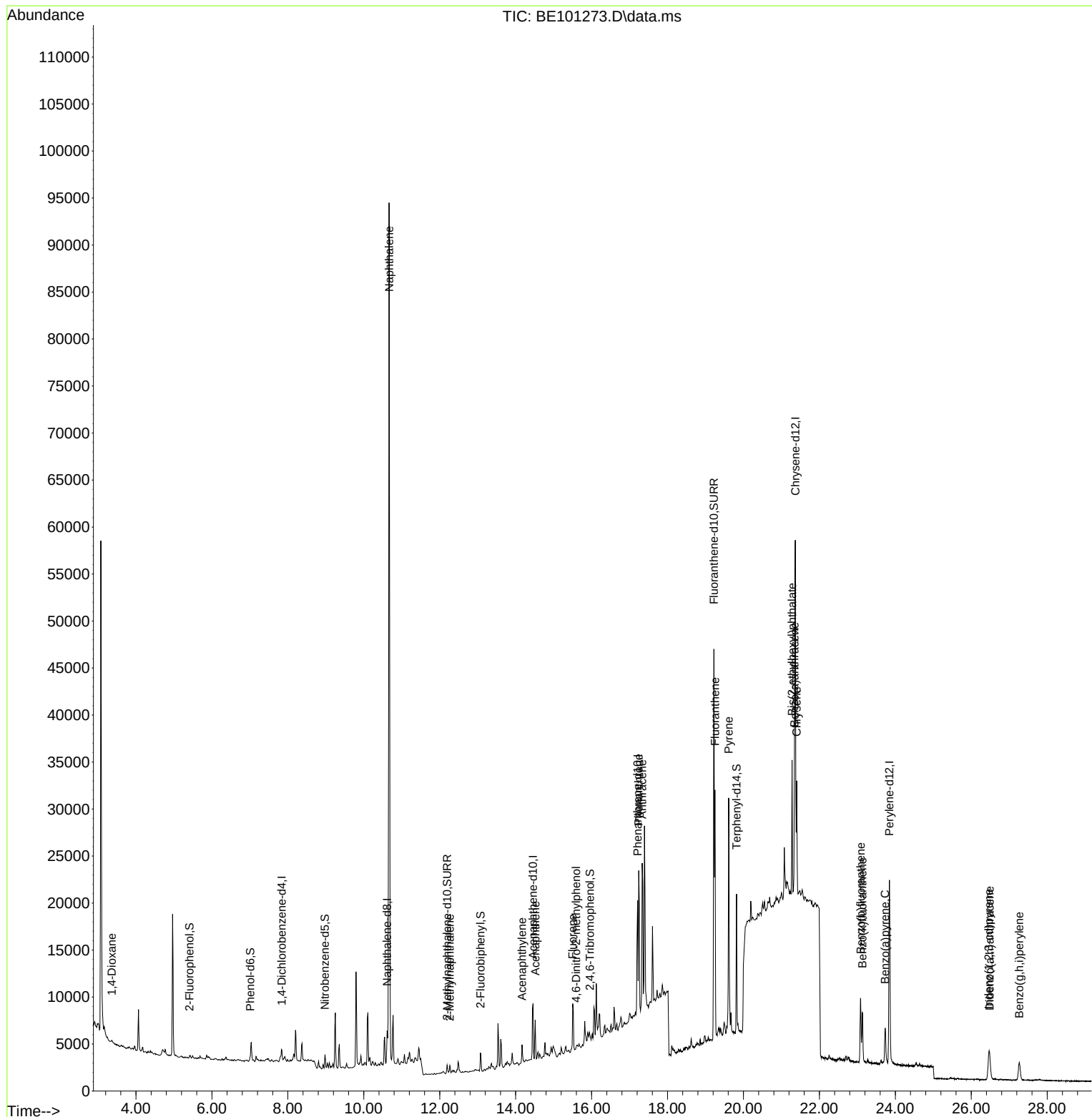
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	620	0.40	ng	# 0.01
7) Naphthalene-d8	10.614	136	3886	0.40	ng	# 0.00
13) Acenaphthene-d10	14.457	164	4398	0.40	ng	0.01
19) Phenanthrene-d10	17.211	188	17862	0.40	ng	# 0.00
29) Chrysene-d12	21.365	240	34922	0.40	ng	# 0.01
36) Perylene-d12	23.845	264	29459	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.412	112	259	0.18	ng	-0.01
5) Phenol-d6	7.013	99	156	0.07	ng	0.02
8) Nitrobenzene-d5	8.977	82	529	0.18	ng	0.00
11) 2-Methylnaphthalene-d10	12.195	152	1132	0.13	ng	0.00
14) 2,4,6-Tribromophenol	15.956	330	230	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.074	172	1788	0.11	ng	0.00
27) Fluoranthene-d10	19.221	212	52054	0.17	ng	0.00
31) Terphenyl-d14	19.819	244	12782	0.14	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.362	88	93	0.10	ng	# 1
9) Naphthalene	10.666	128	142955	3.38	ng	100
12) 2-Methylnaphthalene	12.267	142	583	0.08	ng	# 83
16) Acenaphthylene	14.169	152	1964	0.11	ng	# 84
17) Acenaphthene	14.515	154	2242	0.17	ng	98
18) Fluorene	15.502	166	4423	0.26	ng	99
20) 4,6-Dinitro-2-methylph...	15.593	198	18	0.07	ng	# 1
25) Phenanthrene	17.241	178	19191	0.36	ng	# 96
26) Anthracene	17.332	178	21733	0.48	ng	# 84
28) Fluoranthene	19.250	202	23302	0.34	ng	99
30) Pyrene	19.612	202	20817	0.16	ng	97
32) Benzo(a)anthracene	21.341	228	12314	0.13	ng	# 89
33) Chrysene	21.402	228	9846	0.08	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.281	149	15854	0.22	ng	99
35) Indeno(1,2,3-cd)pyrene	26.459	276	5053	0.06	ng	96
37) Benzo(b)fluoranthene	23.085	252	9789	0.10	ng	# 79
38) Benzo(k)fluoranthene	23.132	252	7410	0.07	ng	# 74
39) Benzo(a)pyrene	23.730	252	6689	0.08	ng	# 70
40) Dibenzo(a,h)anthracene	26.488	278	3620	0.05	ng	# 56
41) Benzo(g,h,i)perylene	27.265	276	4650	0.05	ng	# 73

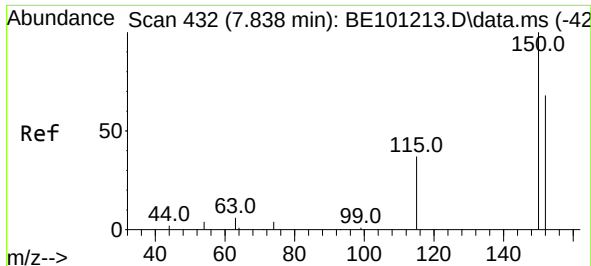
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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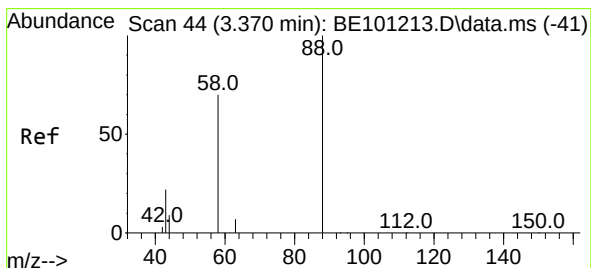
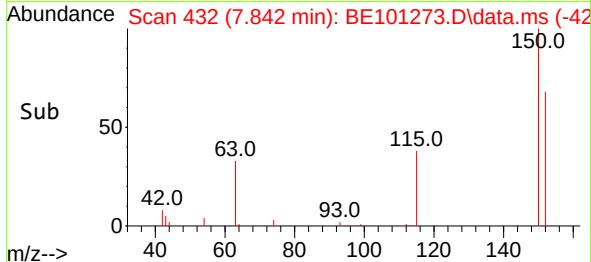
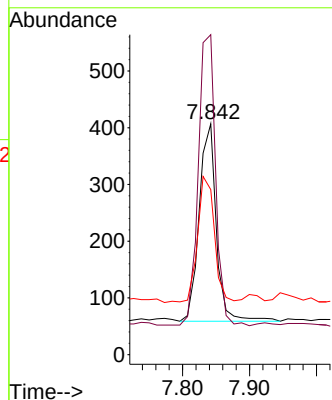
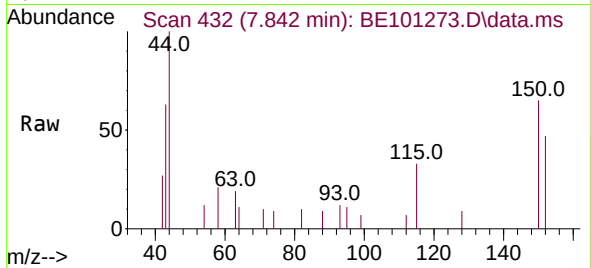




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.842 min Scan# 432
 Delta R.T. 0.012 min
 Lab File: BE101273.D
 Acq: 9 Apr 2021 16:45

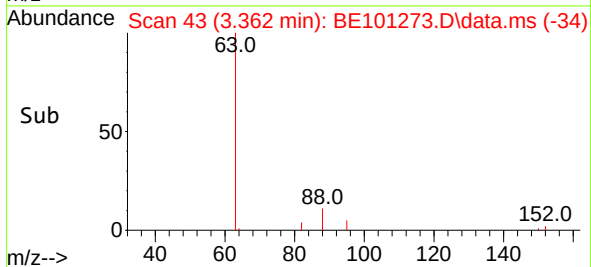
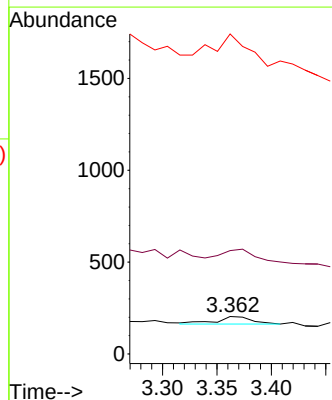
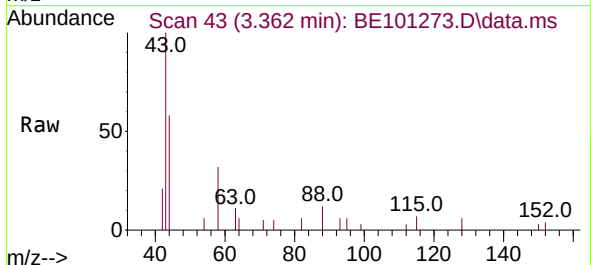
Instrument :
 BNA_E
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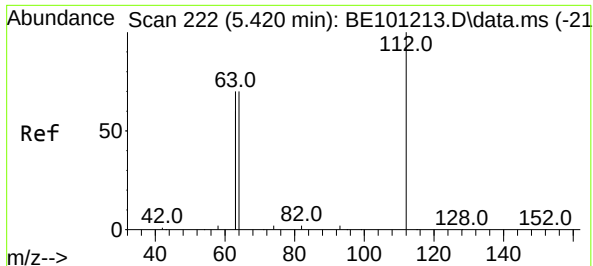
Tgt Ion:152 Resp: 620
 Ion Ratio Lower Upper
 152 100
 150 138.6 116.9 175.3
 115 71.5 44.5 66.7#



#2
 1,4-Dioxane
 Concen: 0.10 ng
 RT: 3.362 min Scan# 43
 Delta R.T. 0.001 min
 Lab File: BE101273.D
 Acq: 9 Apr 2021 16:45

Tgt Ion: 88 Resp: 93
 Ion Ratio Lower Upper
 88 100
 58 188.2 73.6 110.4#
 43 375.3 27.6 41.4#

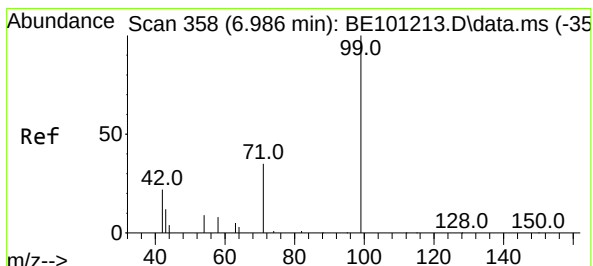
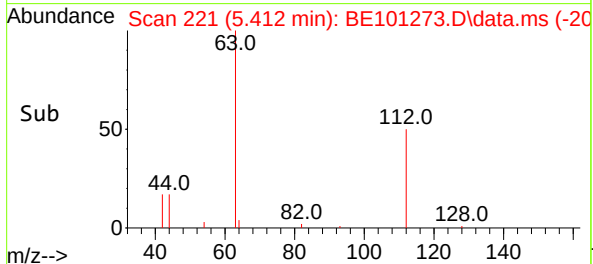
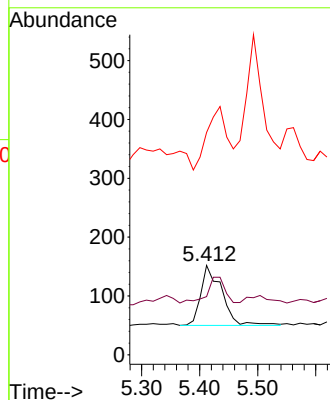
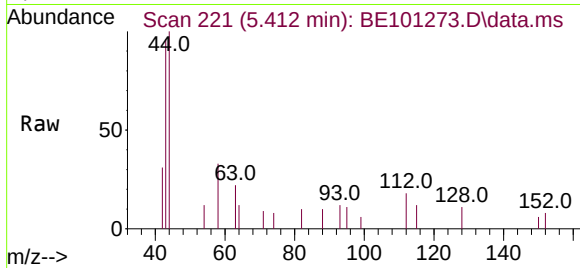




#4
2-Fluorophenol
Concen: 0.18 ng
RT: 5.412 min Scan# 221
Delta R.T. -0.011 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

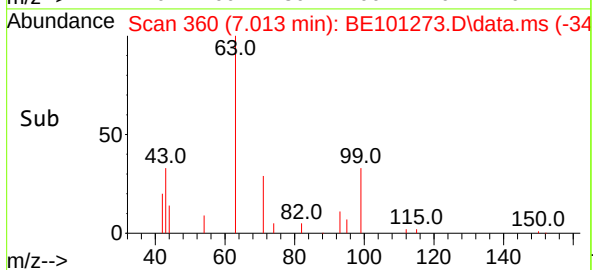
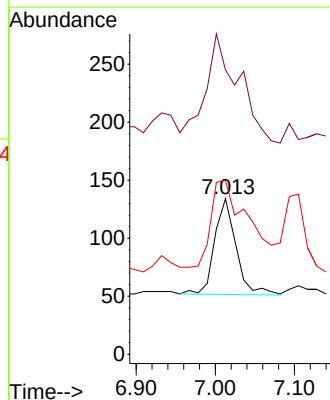
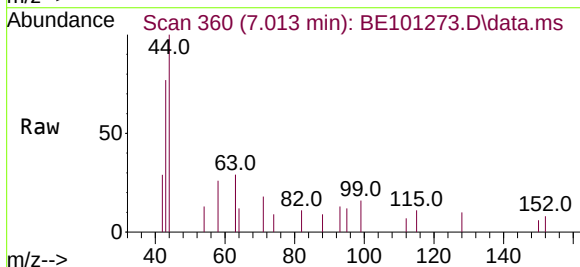
Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

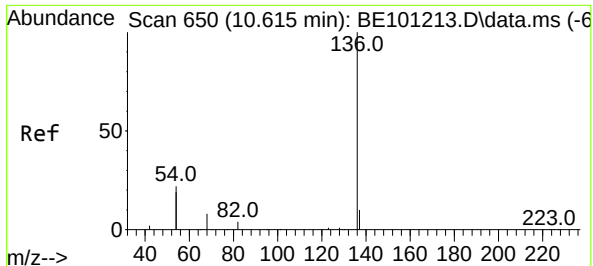
Tgt Ion:112 Resp: 259
Ion Ratio Lower Upper
112 100
64 0.0 62.3 93.5#
63 0.0 117.3 175.9#



#5
Phenol-d6
Concen: 0.07 ng
RT: 7.013 min Scan# 360
Delta R.T. 0.024 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion: 99 Resp: 156
Ion Ratio Lower Upper
99 100
42 176.3 18.5 27.7#
71 161.5 26.5 39.7#

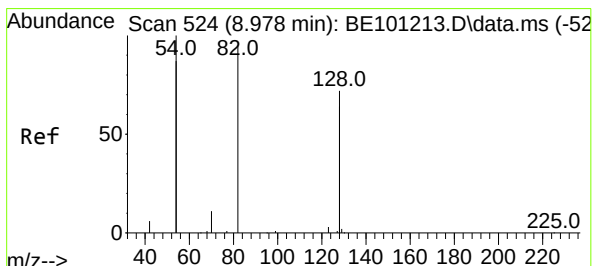
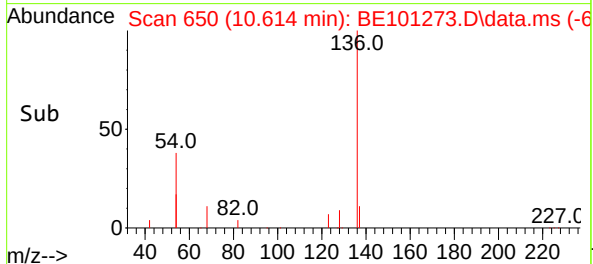
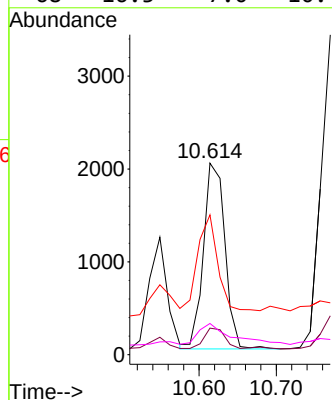
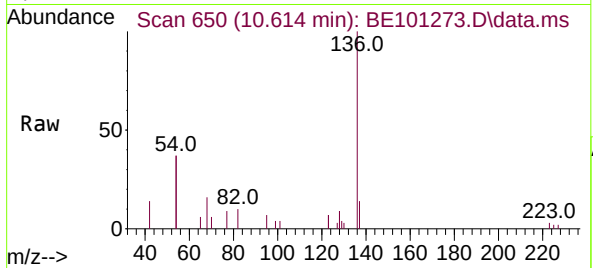




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.000 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

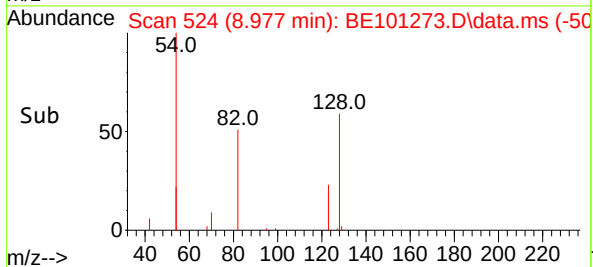
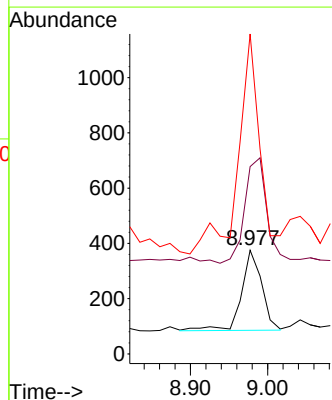
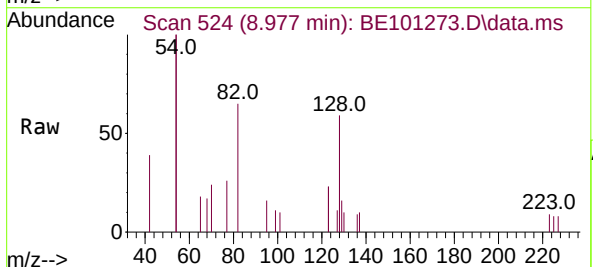
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BNA_E
ClientSampleId :
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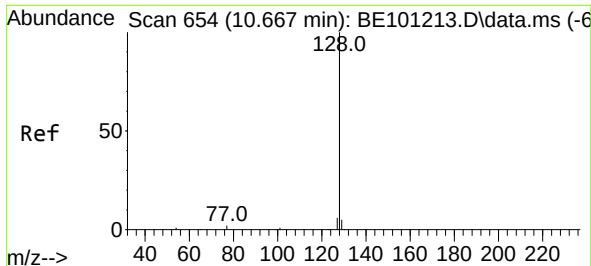
Tgt Ion:136 Resp: 3886
Ion Ratio Lower Upper
136 100
137 13.9 8.6 13.0#
54 73.0 34.7 52.1#
68 16.3 7.0 10.4#



#8
Nitrobenzene-d5
Concen: 0.18 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.000 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion: 82 Resp: 529
Ion Ratio Lower Upper
82 100
128 180.8 118.7 178.1#
54 308.8 164.4 246.6#

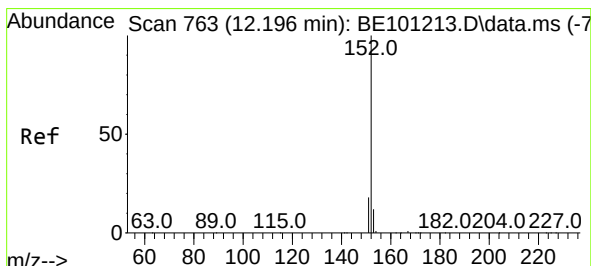
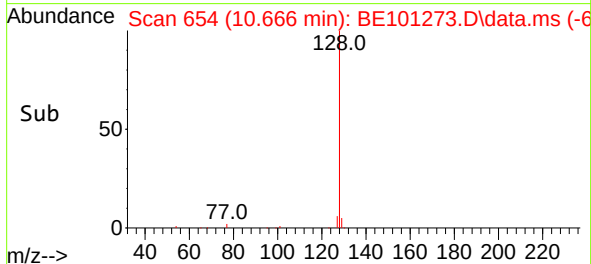
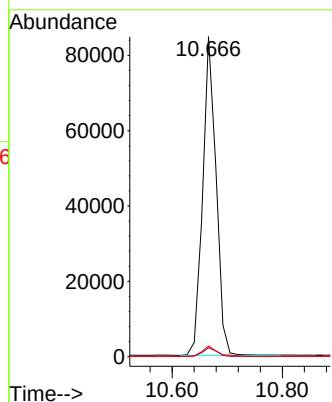
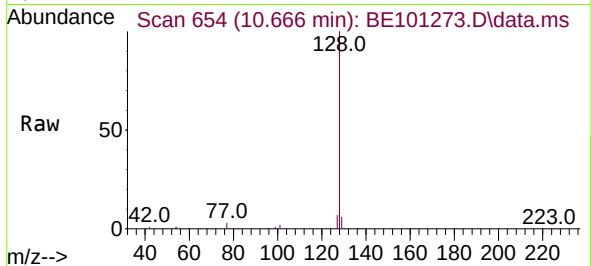




#9
Naphthalene
Concen: 3.38 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.000 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

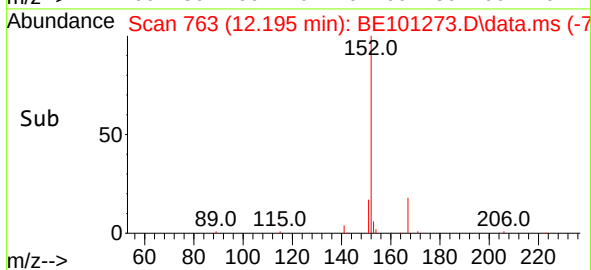
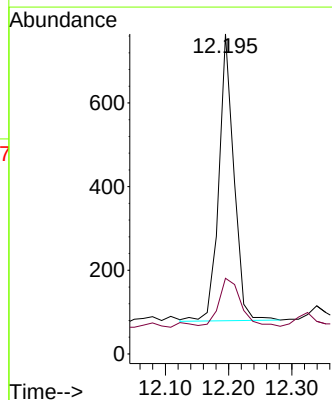
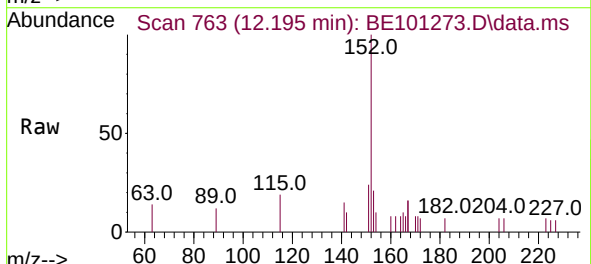
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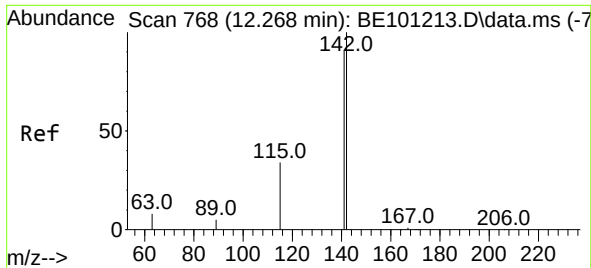
Tgt Ion:128 Resp: 142955
Ion Ratio Lower Upper
128 100
129 2.8 2.2 3.4
127 3.3 2.6 3.8



#11
2-Methylnaphthalene-d10
Concen: 0.13 ng
RT: 12.195 min Scan# 763
Delta R.T. -0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:152 Resp: 1132
Ion Ratio Lower Upper
152 100
151 24.2 16.5 24.7

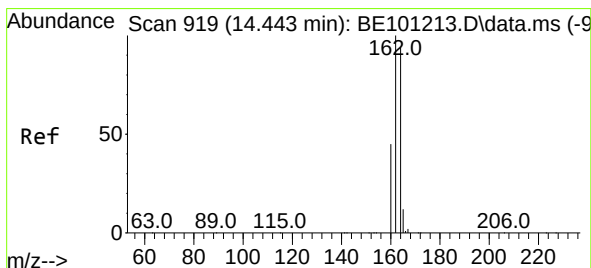
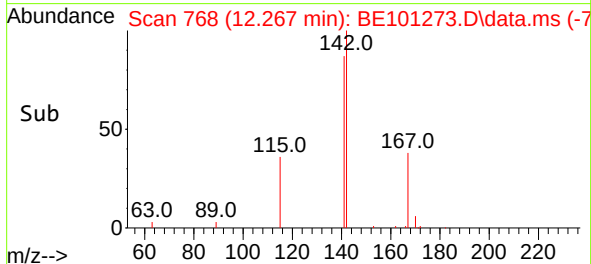
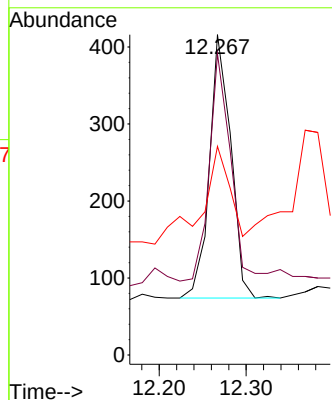
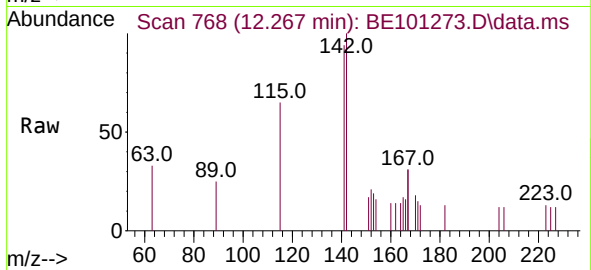




#12
2-Methylnaphthalene
Concen: 0.08 ng
RT: 12.267 min Scan# 768
Delta R.T. -0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

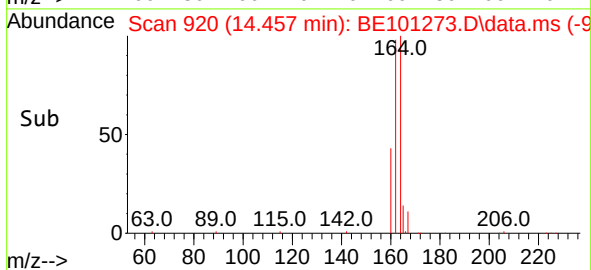
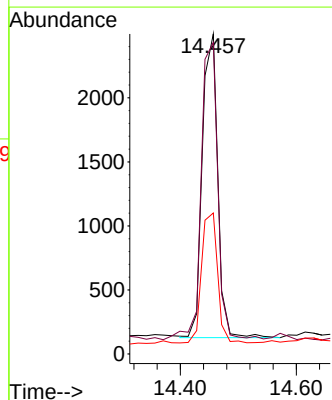
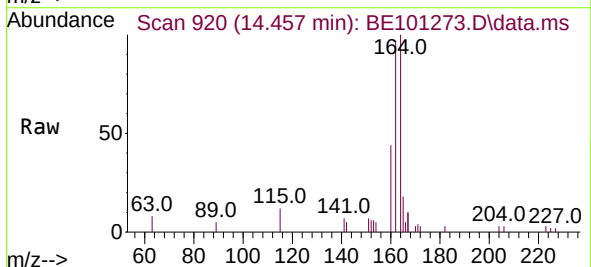
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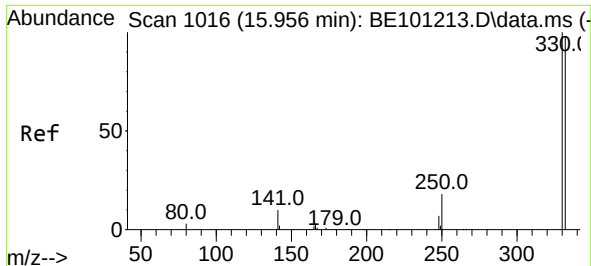
Tgt Ion:142 Resp: 583
Ion Ratio Lower Upper
142 100
141 94.0 73.0 109.6
115 65.1 27.8 41.8#



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.457 min Scan# 920
Delta R.T. 0.013 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:164 Resp: 4398
Ion Ratio Lower Upper
164 100
162 97.4 85.3 127.9
160 44.1 39.1 58.7

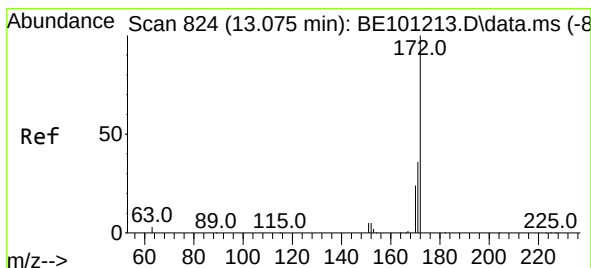
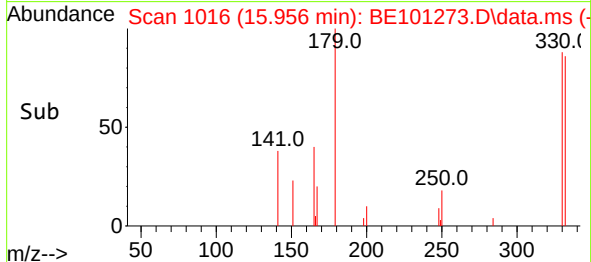
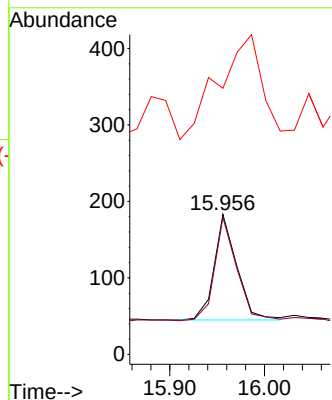
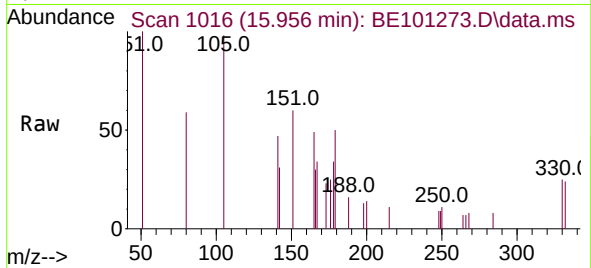




#14
2,4,6-Tribromophenol
Concen: 0.20 ng
RT: 15.956 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

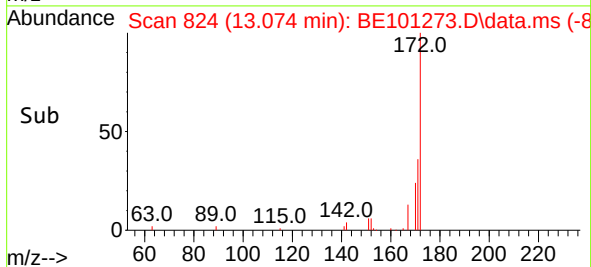
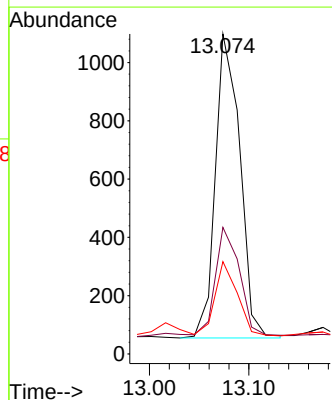
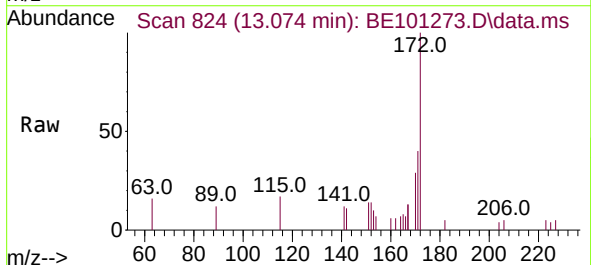
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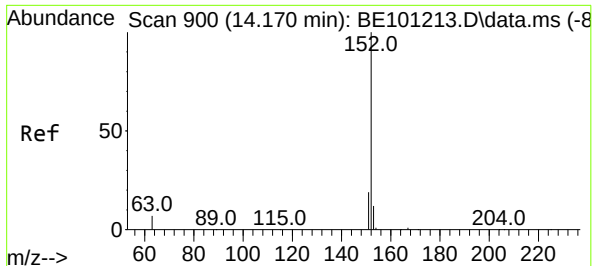
Tgt Ion:330 Resp: 230
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 0.0 30.4 45.6#



#15
2-Fluorobiphenyl
Concen: 0.11 ng
RT: 13.074 min Scan# 824
Delta R.T. -0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:172 Resp: 1788
Ion Ratio Lower Upper
172 100
171 39.5 28.7 43.1
170 28.9 19.3 28.9

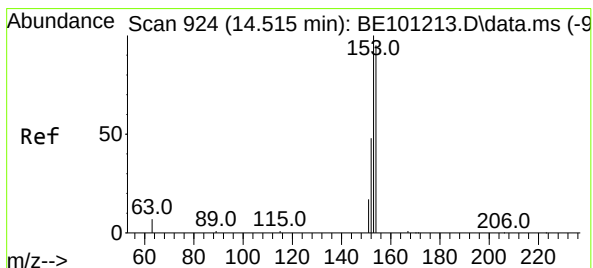
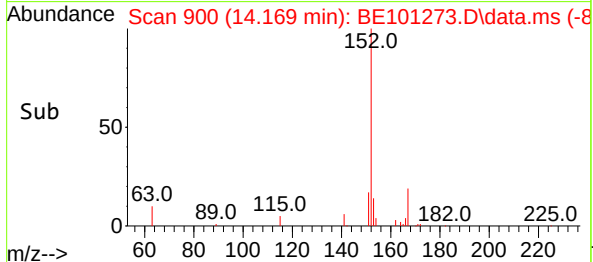
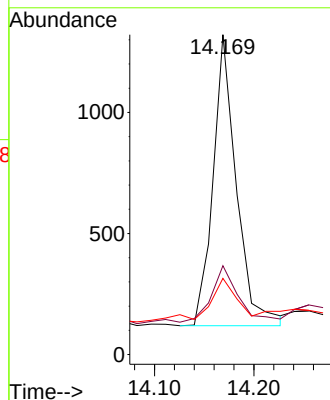
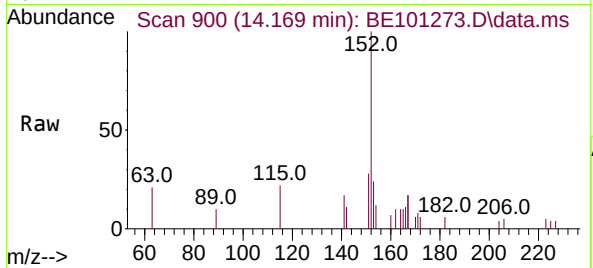




#16
Acenaphthylene
Concen: 0.11 ng
RT: 14.169 min Scan# 900
Delta R.T. -0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

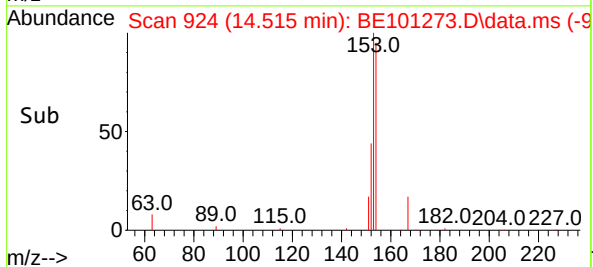
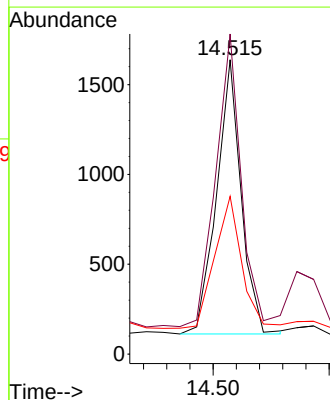
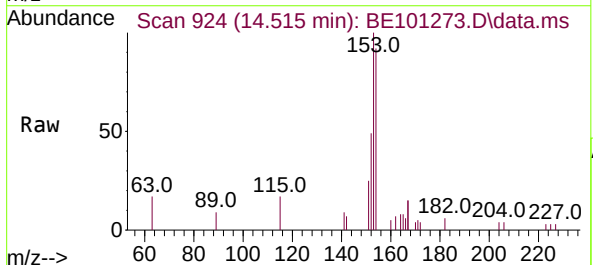
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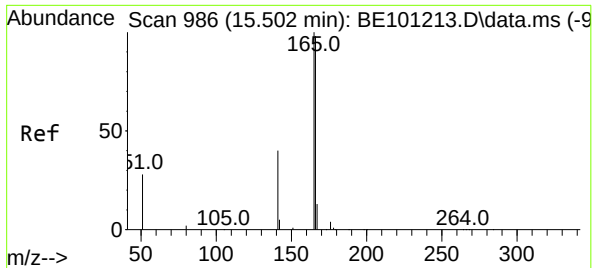
Tgt Ion:152 Resp: 1964
Ion Ratio Lower Upper
152 100
151 25.5 15.4 23.2#
153 20.6 10.0 15.0#



#17
Acenaphthene
Concen: 0.17 ng
RT: 14.515 min Scan# 924
Delta R.T. -0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:154 Resp: 2242
Ion Ratio Lower Upper
154 100
153 109.1 84.9 127.3
152 53.0 42.7 64.1

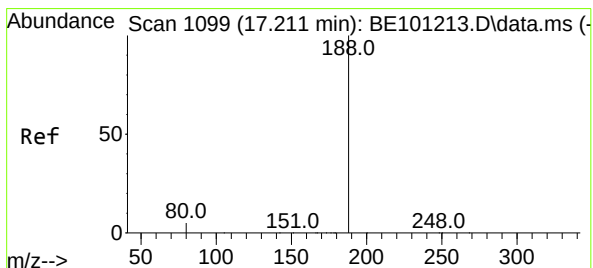
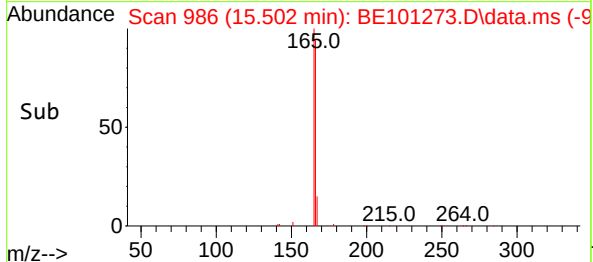
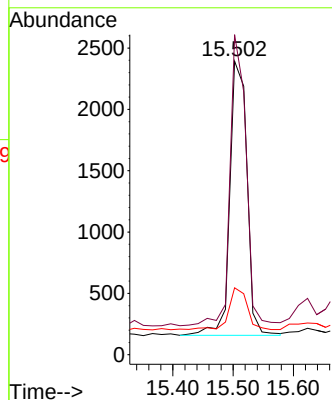
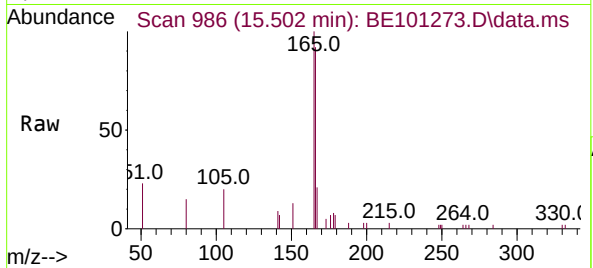




#18
Fluorene
Concen: 0.26 ng
RT: 15.502 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

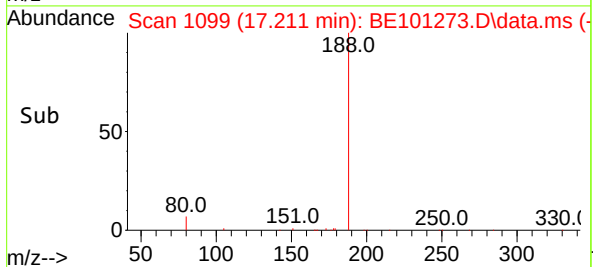
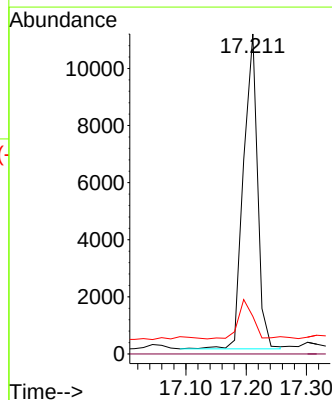
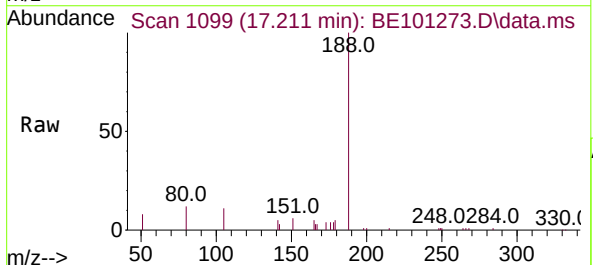
Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

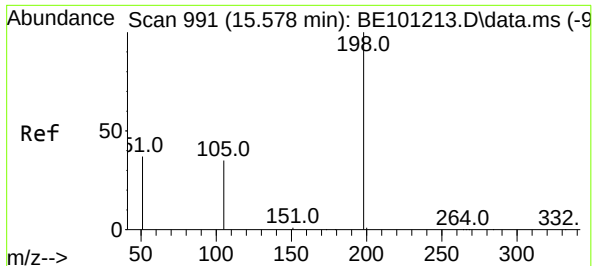
Tgt Ion:166 Resp: 4423
Ion Ratio Lower Upper
166 100
165 99.1 79.0 118.4
167 16.4 11.0 16.4



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.211 min Scan# 1099
Delta R.T. 0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:188 Resp: 17862
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 4.6 6.8#

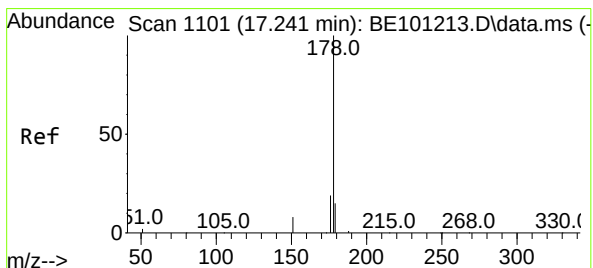
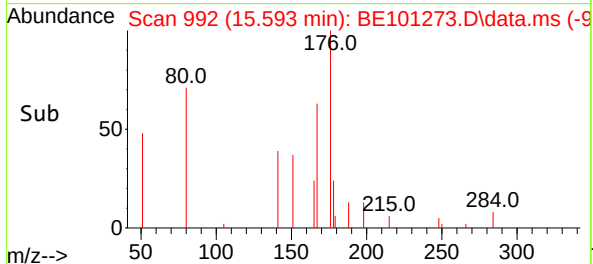
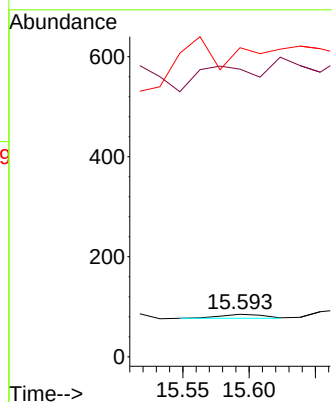
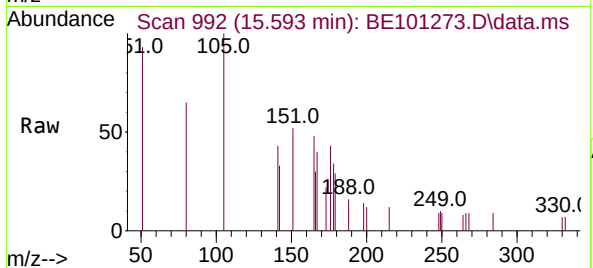




#20
4,6-Dinitro-2-methylphenol
Concen: 0.07 ng
RT: 15.593 min Scan# 992
Delta R.T. 0.016 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

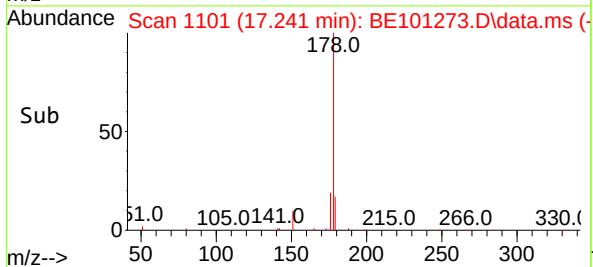
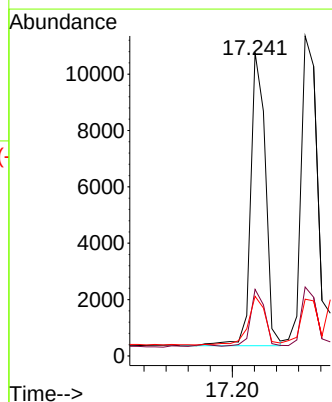
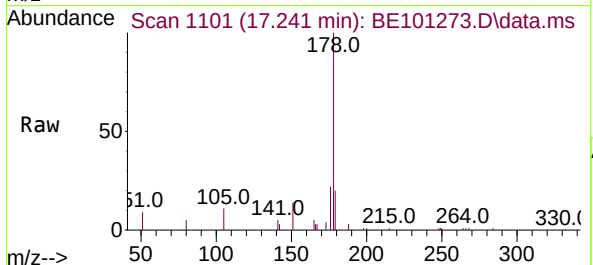
Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

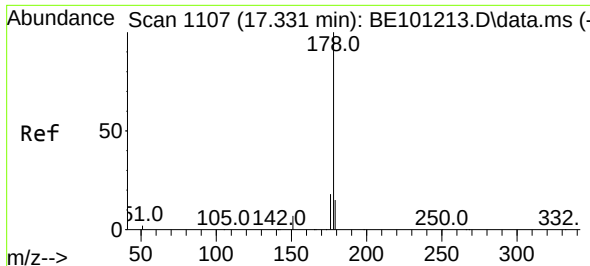
Tgt Ion:198 Resp: 18
Ion Ratio Lower Upper
198 100
51 676.5 55.9 83.9#
105 727.1 33.6 50.4#



#25
Phenanthrene
Concen: 0.36 ng
RT: 17.241 min Scan# 1101
Delta R.T. 0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:178 Resp: 19191
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 19.3 12.2 18.4#

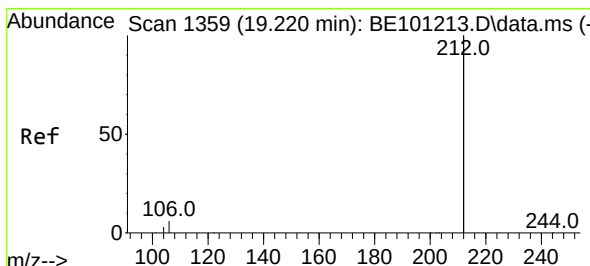
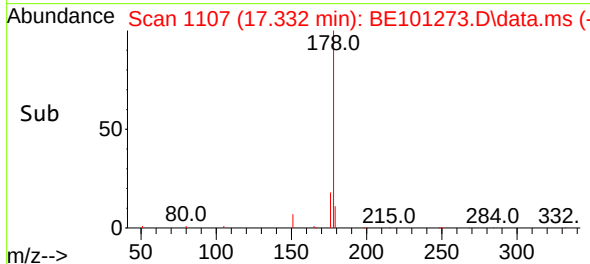
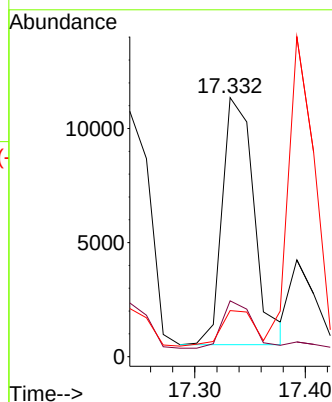
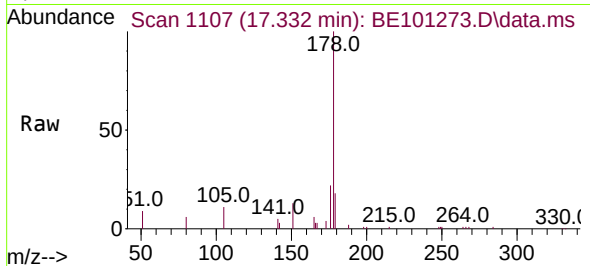




#26
 Anthracene
 Concen: 0.48 ng
 RT: 17.332 min Scan# 1107
 Delta R.T. 0.001 min
 Lab File: BE101273.D
 Acq: 9 Apr 2021 16:45

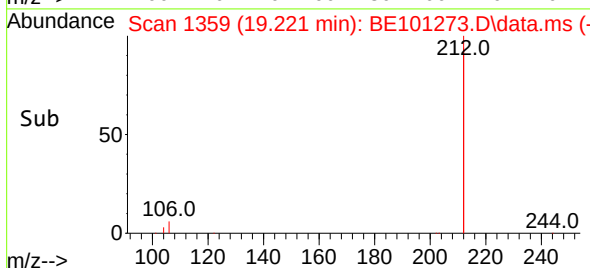
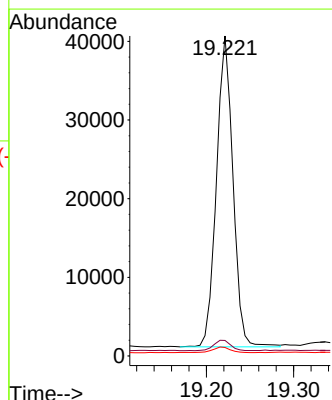
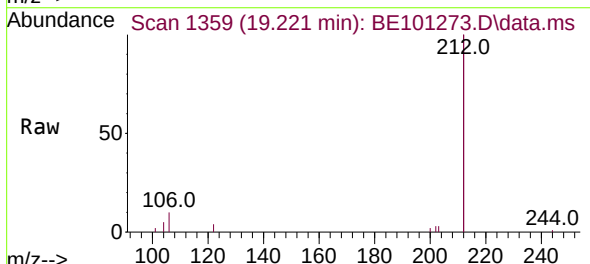
Instrument :
 BNA_E
 ClientSampleId :
 MW-123RMSD

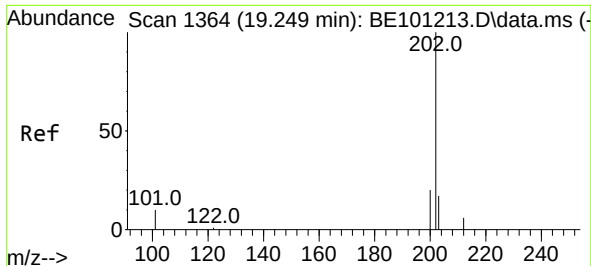
Tgt Ion:178 Resp: 21733
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.4 21.6
 179 0.0 11.8 17.8#



#27
 Fluoranthene-d10
 Concen: 0.17 ng
 RT: 19.221 min Scan# 1359
 Delta R.T. 0.007 min
 Lab File: BE101273.D
 Acq: 9 Apr 2021 16:45

Tgt Ion:212 Resp: 52054
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.6 4.0
 104 1.9 1.4 2.2

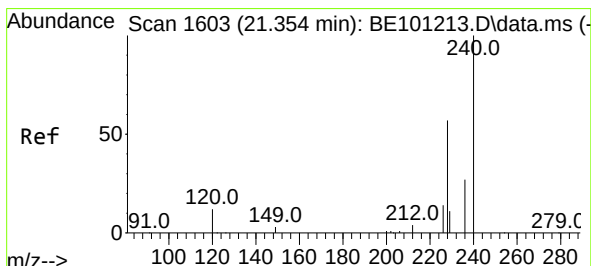
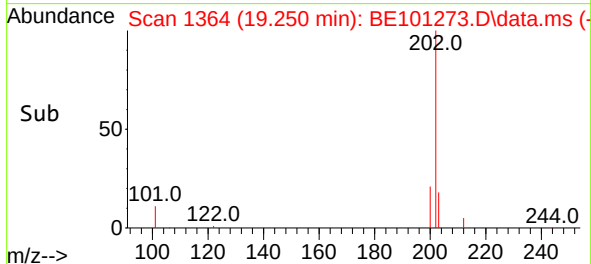
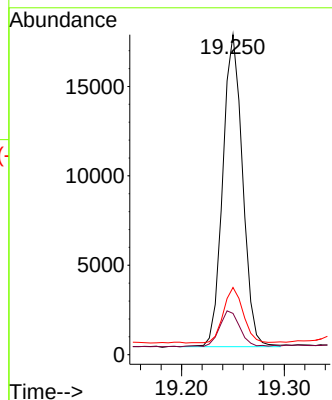
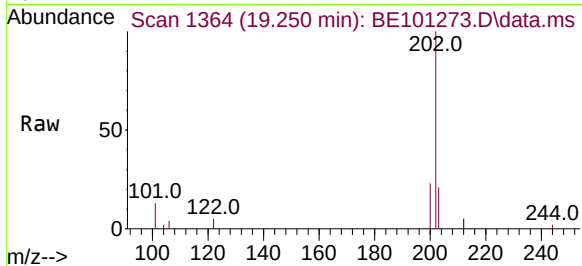




#28
Fluoranthene
Concen: 0.34 ng
RT: 19.250 min Scan# 1364
Delta R.T. 0.007 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

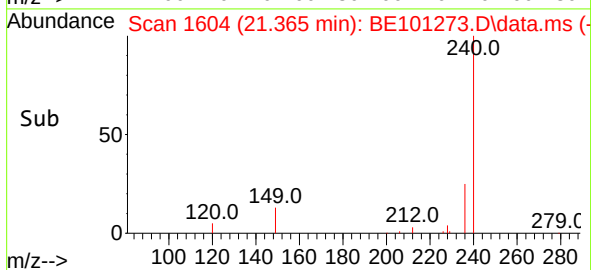
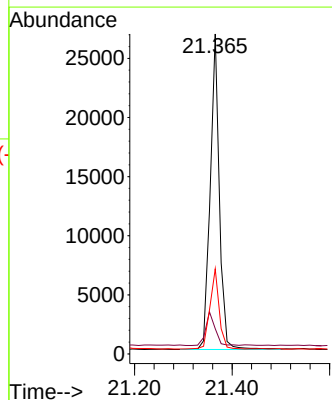
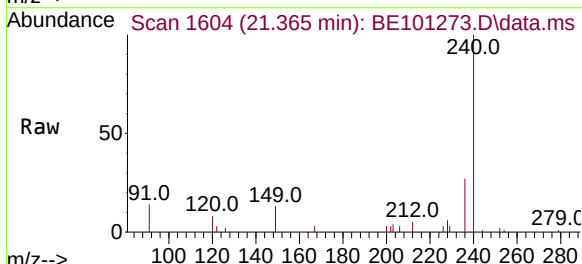
Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

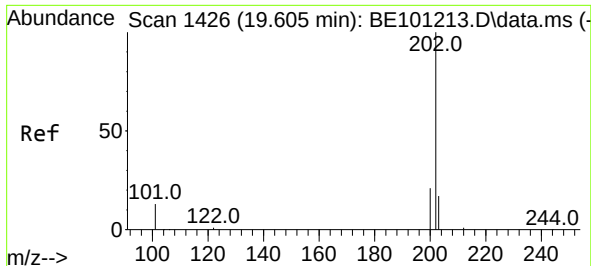
Tgt Ion:202 Resp: 23302
Ion Ratio Lower Upper
202 100
101 11.8 9.1 13.7
203 17.6 13.6 20.4



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.365 min Scan# 1604
Delta R.T. 0.011 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:240 Resp: 34922
Ion Ratio Lower Upper
240 100
120 7.9 10.2 15.4#
236 26.6 21.7 32.5

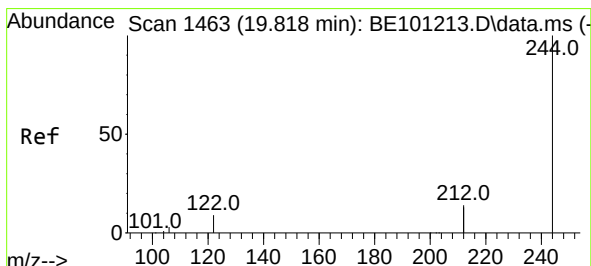
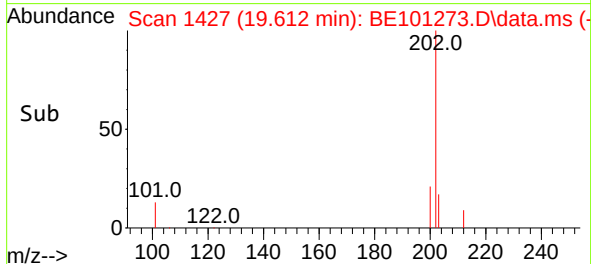
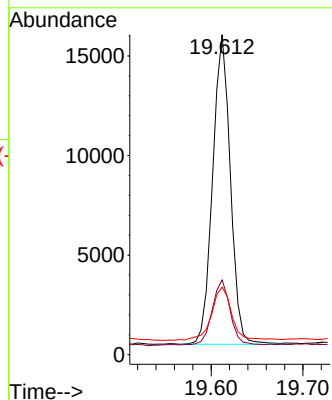
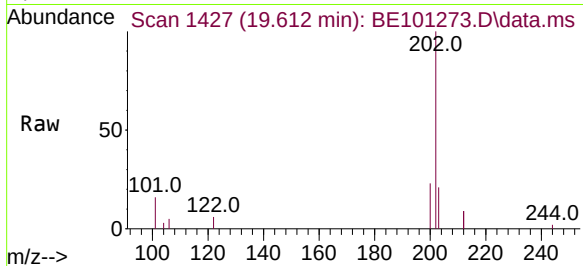




#30
Pyrene
Concen: 0.16 ng
RT: 19.612 min Scan# 1427
Delta R.T. 0.007 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

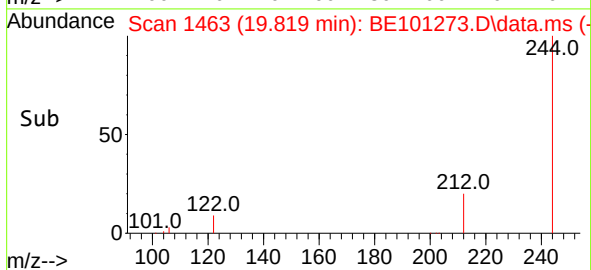
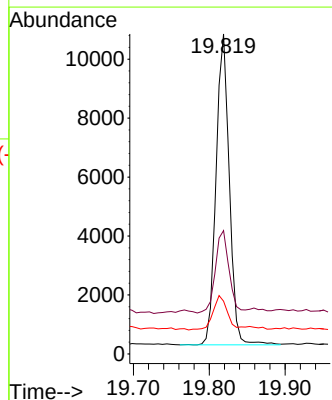
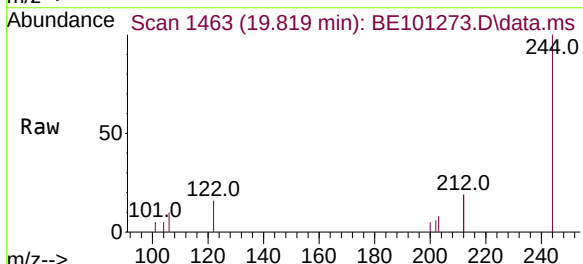
Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

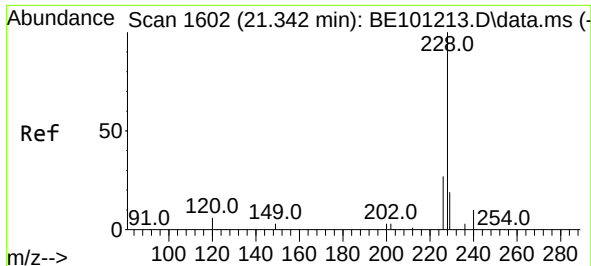
Tgt Ion:202	Resp:	20817
Ion Ratio	Lower	Upper
202	100	
200	21.1	16.6 24.8
203	19.7	13.8 20.8



#31
Terphenyl-d14
Concen: 0.14 ng
RT: 19.819 min Scan# 1463
Delta R.T. 0.007 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:244	Resp:	12782
Ion Ratio	Lower	Upper
244	100	
212	38.6	21.9 32.9#
122	16.5	7.3 10.9#

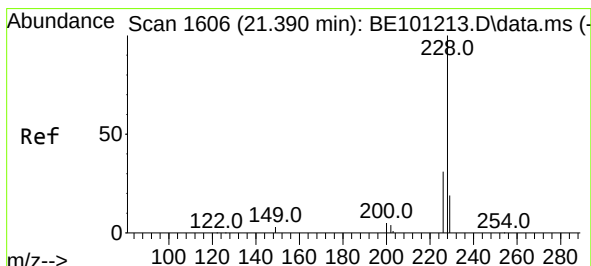
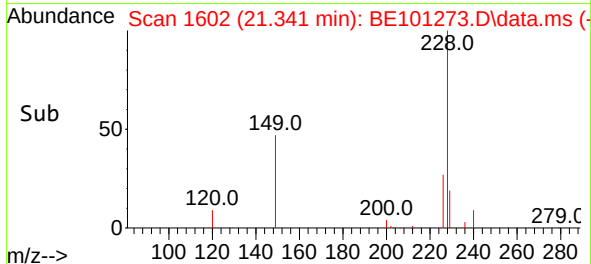
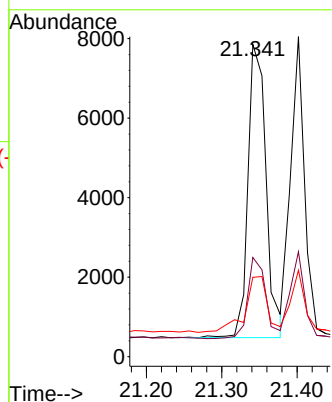
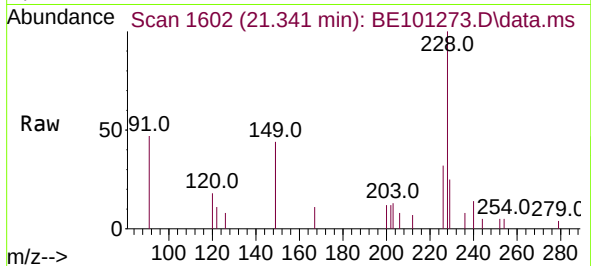




#32
Benzo(a)anthracene
Concen: 0.13 ng
RT: 21.341 min Scan# 1602
Delta R.T. -0.001 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

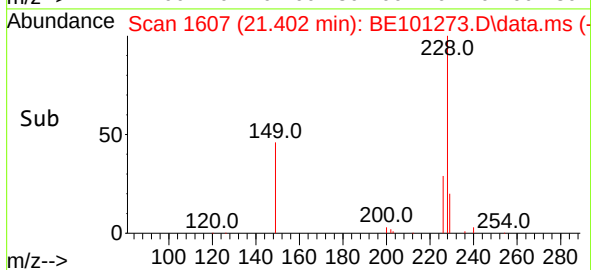
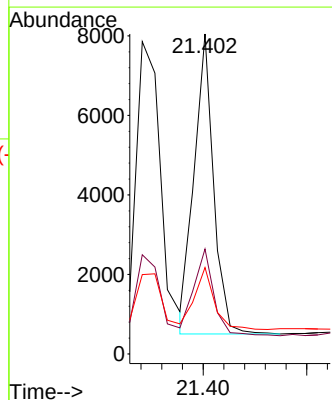
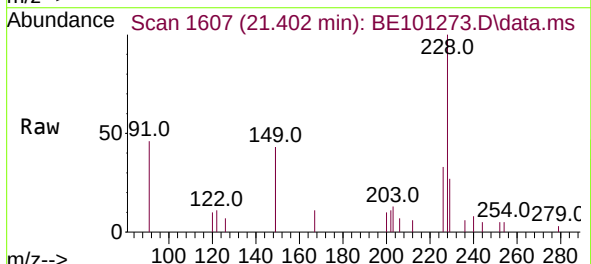
Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

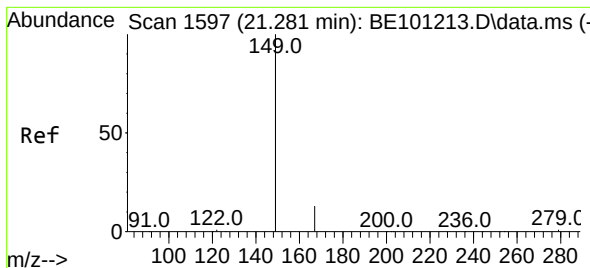
Tgt Ion:228 Resp: 12314
Ion Ratio Lower Upper
228 100
226 31.8 21.4 32.2
229 25.4 15.7 23.5#



#33
Chrysene
Concen: 0.08 ng
RT: 21.402 min Scan# 1607
Delta R.T. 0.011 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:228 Resp: 9846
Ion Ratio Lower Upper
228 100
226 32.8 24.8 37.2
229 27.0 15.2 22.8#

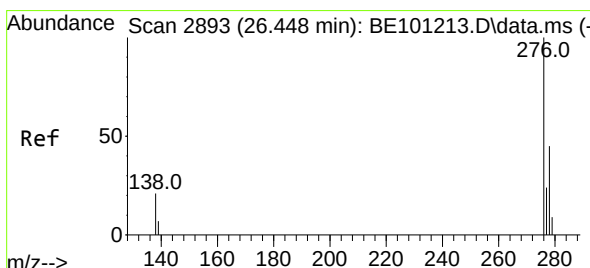
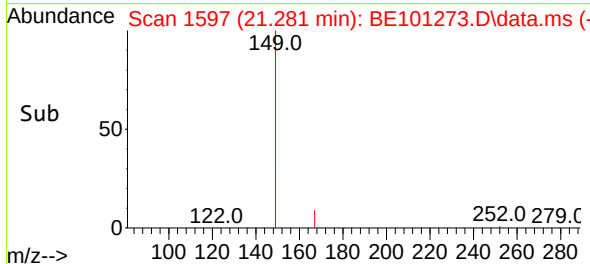
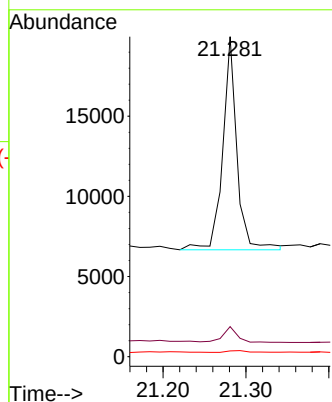
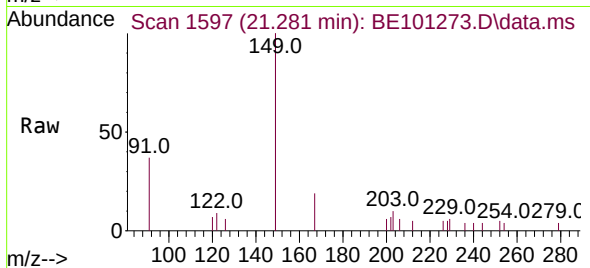




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.22 ng
 RT: 21.281 min Scan# 1597
 Delta R.T. -0.001 min
 Lab File: BE101273.D
 Acq: 9 Apr 2021 16:45

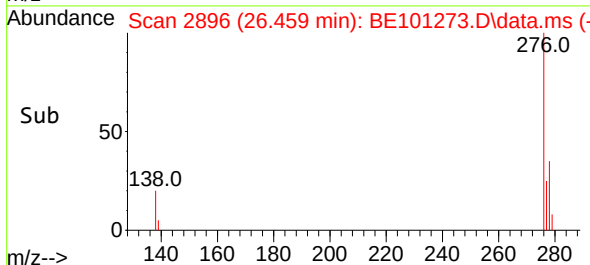
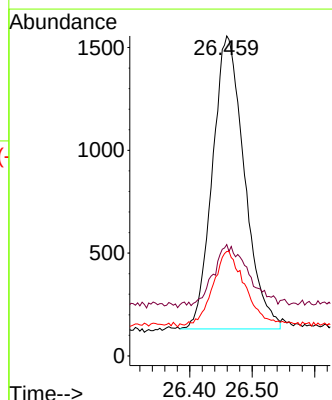
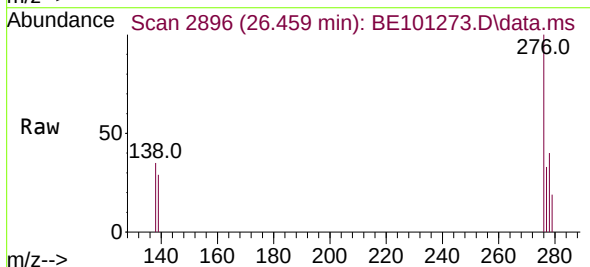
Instrument :
 BNA_E
 ClientSampleId :
 MW-123RMSD

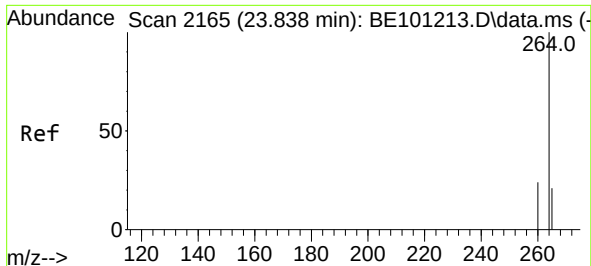
Tgt Ion:149 Resp: 15854
 Ion Ratio Lower Upper
 149 100
 167 7.2 5.5 8.3
 279 1.1 1.0 1.4



#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.06 ng
 RT: 26.459 min Scan# 2896
 Delta R.T. 0.015 min
 Lab File: BE101273.D
 Acq: 9 Apr 2021 16:45

Tgt Ion:276 Resp: 5053
 Ion Ratio Lower Upper
 276 100
 138 23.0 17.4 26.0
 277 27.4 19.8 29.8

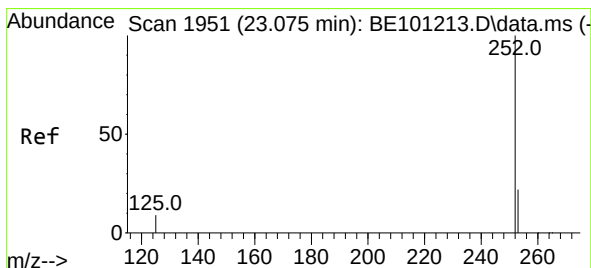
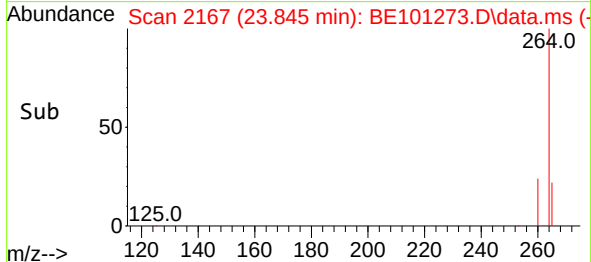
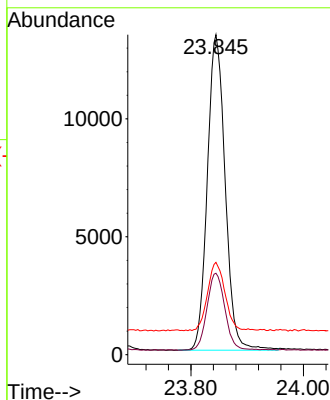
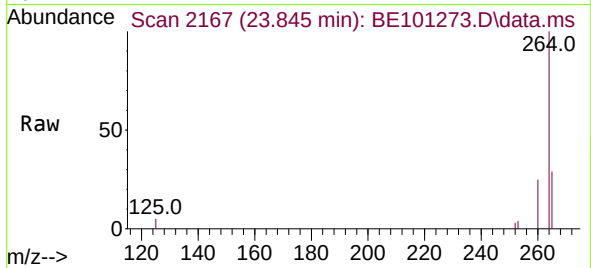




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.845 min Scan# 2167
Delta R.T. 0.010 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

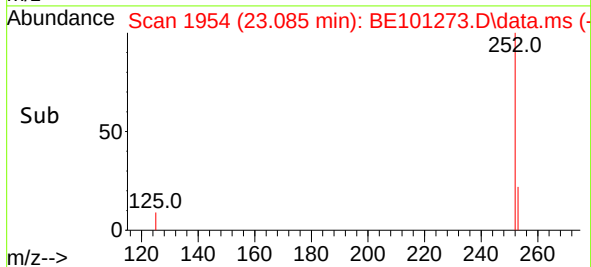
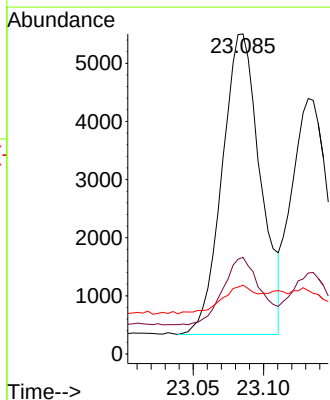
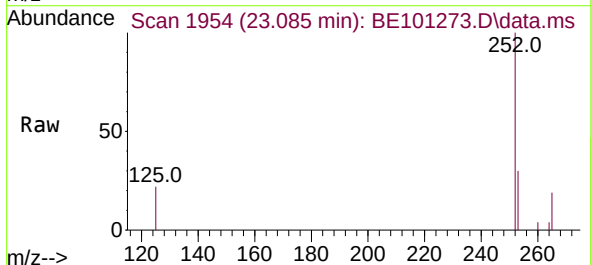
Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

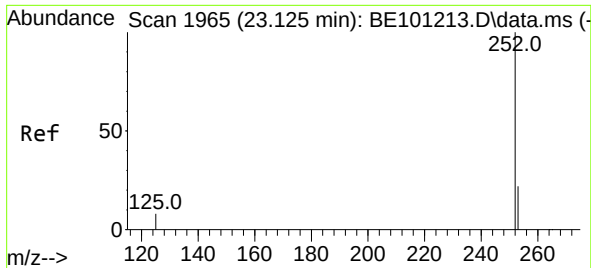
Tgt Ion:264 Resp: 29459
Ion Ratio Lower Upper
264 100
260 25.4 19.3 28.9
265 28.8 22.4 33.6



#37
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 23.085 min Scan# 1954
Delta R.T. 0.010 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:252 Resp: 9789
Ion Ratio Lower Upper
252 100
253 30.2 18.1 27.1#
125 21.5 7.6 11.4#

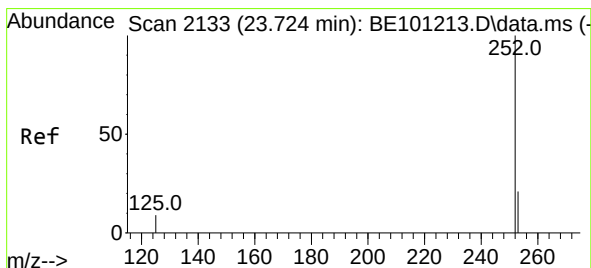
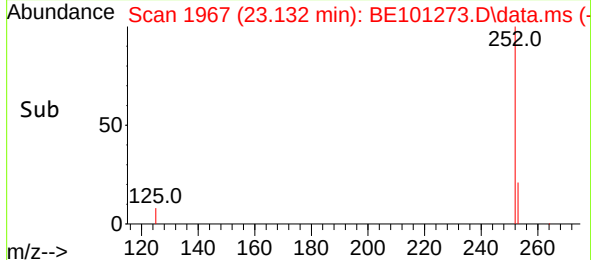
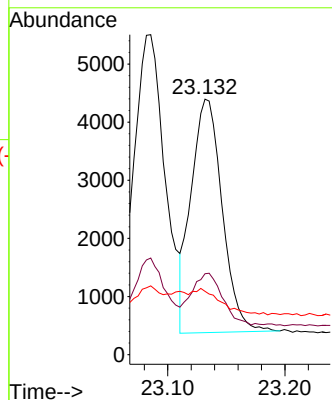
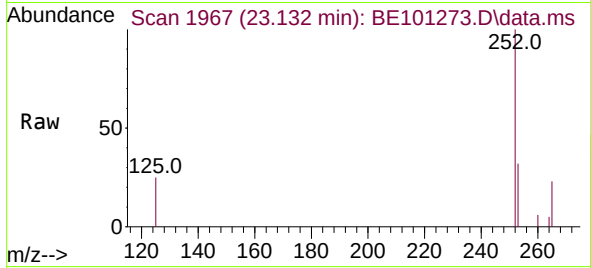




#38
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 23.132 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

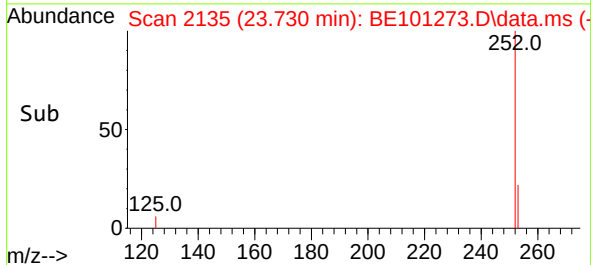
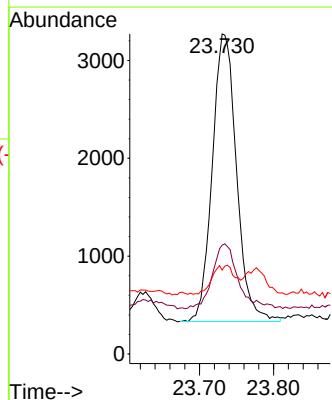
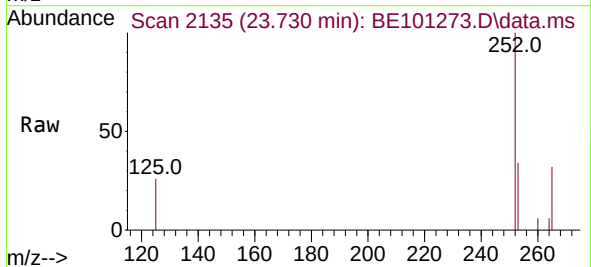
Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

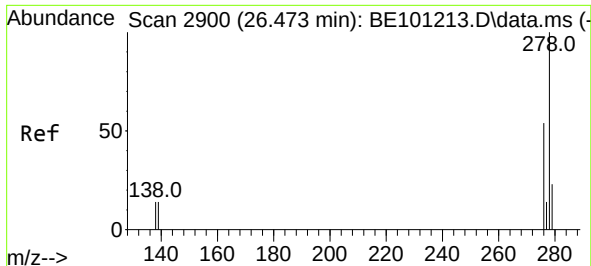
Tgt Ion:252 Resp: 7410
Ion Ratio Lower Upper
252 100
253 31.7 17.8 26.6#
125 24.8 7.6 11.4#



#39
Benzo(a)pyrene
Concen: 0.08 ng
RT: 23.730 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:252 Resp: 6689
Ion Ratio Lower Upper
252 100
253 34.0 18.0 27.0#
125 26.2 8.0 12.0#

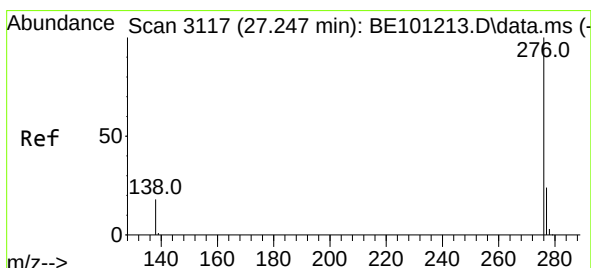
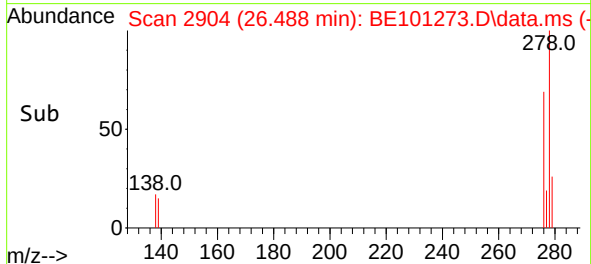
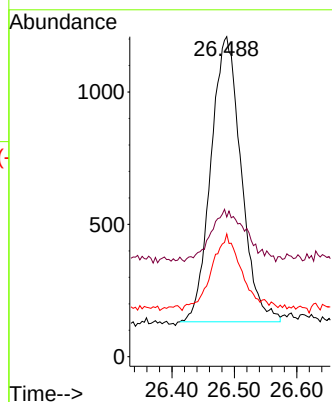
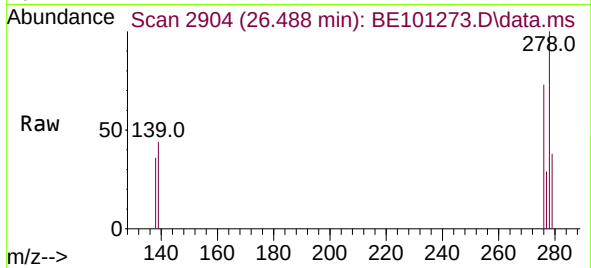




#40
Dibenzo(a,h)anthracene
Concen: 0.05 ng
RT: 26.488 min Scan# 2904
Delta R.T. 0.015 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Instrument :
BNA_E
ClientSampleId :
MW-123RMSD

Tgt Ion:278 Resp: 3620
Ion Ratio Lower Upper
278 100
139 43.7 12.2 18.2#
279 38.4 19.3 28.9#



#41
Benzo(g,h,i)perylene
Concen: 0.05 ng
RT: 27.265 min Scan# 3122
Delta R.T. 0.022 min
Lab File: BE101273.D
Acq: 9 Apr 2021 16:45

Tgt Ion:276 Resp: 4650
Ion Ratio Lower Upper
276 100
277 33.8 19.4 29.0#
138 35.8 15.2 22.8#

